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SPIS TREŚCI

- I. Monografie s. 3**
- II. Artykuły w czasopismach: opublikowane,
przyjęte do druku s. 5**
- III. Referaty, komunikaty, plakaty/postery opublikowane,
wygłoszone, zgłoszone na konferencjach,
seminariach międzynarodowych, zagranicznych
i krajowych s. 34**

Sporządziły: Joanna Suska i Anna Waga

I. MONOGRAFIE

1.

Kozłowska Anna (ITME), Kachniarz M. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Gawlik Grzegorz (ITME), Szewczyk R. (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warszawa, Poland), Wojtasiak M. (Warsaw University of Technology, Faculty of Electronics and Informations Technology, Warszawa, Poland)

Graphene joule heating measurements in environmental chamber in: Progress in Automation, Robotics and Measuring Techniques. Vol.3. Measuring Techniques and Systems. Pod red.: R.Szewczyk, C.Zieliński, M. Kaliczyńska. Springer 2015, Germany, s. 129-135, il., bibliogr., seria: Advances in Intelligent Systems and Computing 352, ISBN: 978-3-319-15834-1

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Gawlik Grzegorz (ITME), Nowak P. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Kozłowska Anna (ITME), Wojtasiak M. (Warsaw University of Technology, Institute of Control and Computation Engineering, Warszawa, Poland), Szewczyk R. (Warsaw University of Technology, Faculty of Mechatronics, Warszawa, Poland)

Influence of environmental conditions on graphene resistance in: Progress in Automation, Robotics and Measuring Techniques. Vol.3. Measuring Techniques and Systems. Pod red.: R.Szewczyk, C. Zieliński, M. Kaliczyńska. Springer 2015, Germany, s.75-81, il., bibliogr., seria: Advanes in Intelligent Systems and Computing 352, ISBN: 978-3-319-15834-1

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Kachniarz M. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Petruk O. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Oszwałdowski M. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Salach J. (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warszawa, Poland), Ciuk Tymoteusz (ITME), Strupiński Włodzimierz (ITME), Szewczyk R. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Winiarski W. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Trzcinka K. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland)

Influence of protective layer on the functional properties of monolayer and bilayer graphene Hall-effect sensors in: Progress in Automation, Robotics and Measuring Techniques. Vol.3. Measuring Techniques and Systems. Pod red.: R.Szewczyk, C.Zieliński, M.Kaliczyńska. Springer 2015, Germany, s.101-109, il., bibliogr.,seria: Advances in Intelligent Systems and Computing 352, ISBN: 978-3-319-15834-1

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Trzcinka K. (Industrial Research Institute of Automation and Measurements PIAP, Warszawa, Poland), Missala T. (Industrial Research Institute of Automation and Measurements PIAP, Warszawa, Poland), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME), Winiarski W. (Industrial Research Institute of Automation and Measurements PIAP, Warszawa, Poland), Kamiński M. (Industrial Research Institute of Automation and Measurements PIAP, Warszawa, Poland), Szewczyk R. (Institute of Metrology and

Biomedical Engineering, Warsaw University Technology, Warszawa, Poland), Nowicki M. (Institute of Metrology and Biomedical Engineering, Warsaw University Technology, Warszawa, Poland)

Investigation of the functional and environmental characteristics of elements with graphene coating in: Progress in Automation, Robotics and Measuring Techniques. Vol.3. Measuring Techniques and Systems. Pod red.: R.Szewczyk, C.Zieliński, M.Kaliczyńska. Springer 2015, Germany, s.237-244, il., bibliogr., seria: Advances in Intelligent Systems and Computing 352, ISBN: 978-3-319-15834-1

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Missala T. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Szewczyk R. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Kamiński M. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Hamela M. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Winiarski W. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Szalatkiewicz J. (Industrial Research Institute for Automation and Measurements PIAP, Warszawa, Poland), Tomasik J. (Warsaw University of Technology, Faculty of Mechatronics, Warszawa, Poland), Salach J. (Warsaw University of Technology, Faculty of Mechatronics, Warszawa, Poland), Strupiński Włodzimierz (ITME), Pasternak Iwona (ITME), Borkowski Z. (Zakład Mechaniki Maszyn, Wrocław, Poland)

Study on graphene growth process on various bronzes and copper-plated steel substrates in: Progress in Automation, Robotics and Measuring Techniques. Vol.3. Measuring Techniques and Systems. Pod red.: R.Szewczyk, C.Zieliński, M.Kaliczyńska. Springer 2015, Germany, s.171-180, il., bibliogr.,seria: Advances in Intelligent Systems and Computing 352, ISBN: 978-3-319-15834-1

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Temperature dependence of functional properties of graphene Hall-effect sensors growth on Si face and C face of 4H-SiC substrate in: Progress in Automation, Robotics and Measuring Techniques. Vol.3. Measuring Techniques and Systems. Pod red.: R.Szewczyk, C.Zieliński, M.Kaliczyńska. Springer 2015, Germany, s.111-120, il., bibliogr., seria: Advances in Intelligent Systems and Computing 352, ISBN: 978-3-319-15834-1

II. ARTYKUŁY W CZASOPISMACH: OPUBLIKOWANE, PRZYJĘTE DODRUKU

ACS Nano (JCR)

1.

Lupina G. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Kitzmann J. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Costina I. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Lukosius M. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Wenger C. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Wolff A. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Vaziri S. (School of ICT, KTH Royal Institute of Technology, Kista, Sweden), Ostling M. (School of ICT, KTH Royal Institute of Technology, Kista, Sweden), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Kataria S. (University of Siegen, Germany), Gahoi A. (University of Siegen, Germany), Lemme M.C. (University of Siegen, Germany), Ruhl G. (Infineon Technologies AG, Regensburg, Germany), Zoth G. (Infineon Technologies AG, Regensburg, Germany), Luxenhofer O. (Infineon Technologies Dresden GmbH, Germany), Mehr W. (IHP, Im Technologiepark, Frankfurt (Oder), Germany)

Residual metallic contamination of transferred chemical vapor deposited graphene.
Vol.9 nr 5 s.4776-4785

Acta Materialia (JCR)

2.

Moll S. (Pacific Northwest National Laboratory, Richland, WA, USA), Zhang Y. (Department of Materials Science and Engineering, University of Tennessee, Knoxville, TN, USA; Materials Science and Technology Division, Oak Ridge National Laboratory, TN, USA), Debelle A. (Centre de Science Nucleaire et de Sciences de la Materie, Universite Paris-Sud, CNRS/IN2P3, Orsay, France), Thome L. (Centre de Science Nucleaire et de Sciences de la Materie, Universite Paris-Sud, CNRS/IN2P3, Orsay, France), Crocombette J.P. (CEA/DMN, Service de Recherches de Metallurgie Physique, Gif-sur-Yvette, France), Zihua Z. (Pacific Northwest National Laboratory, Richland, WA, USA), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock, Poland), Weber W.J. (Department of Materials Science and Engineering, University of Tennessee, Knoxville, TN, USA; Materials Science and Technology Division, Oak Ridge National Laboratory, TN, USA)

Damage processes in MgO irradiated with medium-energy heavy ions.
Vol.88 s.314-322

Acta Physica Polonica A (JCR)

3.

Bardziński P.J. (Wrocław University of Technology, Wrocław, Poland), Kopcewicz Michał (ITME), Rybaczuk M. (Wrocław University of Technology, Wrocław, Poland), Hasiak M. (Wrocław University of Technology, Wrocław, Poland), Musiał A. (Institute of Molecular Physics, PAS, Warszawa, Poland), Kinzhybalov V. (Institute of Low Temperature and Structure Research, PAS, Wrocław, Poland), Idzikowski B. (Institute of Molecular Physics, PAS, Warszawa, Poland)

Magnetic properties and structure of amorphous $\text{Fe}_{74}\text{Hf}_4\text{Ta}_1\text{Cu}_1\text{Gd}_1\text{La}_x\text{Si}_{15-x}\text{B}_4(x=0,7)$ ribbons.

Vol.127 nr 3 s.827-830

4.

Inglot M. (Department of Physics, Rzeszów University of Technology, Poland), Trybus M. (Department of Physics, Rzeszów University of Technology, Poland), Woś B. (Department of Physics, Rzeszów University of Technology, Poland), Ciuk Tymoteusz (ITME)

Measuring of electric parameters of graphene in presence of temperature gradient.
Vol.128 nr 2 s.166-169

5.

Kordyasz A.J. (Heavy Ion Laboratory, Warsaw University, Warszawa, Poland), Bednarek A. (Heavy Ion Laboratory, Warsaw University, Warszawa, Poland), Kowalczyk M. (Heavy Ion Laboratory, Warsaw University, Warszawa, Poland; Institute of Experimental Physics, University of Warsaw, Poland), Tarasiuk J. (Institute of Experimental Physics, University of Warsaw, Poland), Kulczycka E. (National Centre for Nuclear Research, Otwock, Poland), Teodorczyk Marian (ITME), Gajewski Michał (ITME), Kordyasz Ł. (Warsaw University of Technology, Faculty of Mechatronics, Institute of Mechatronics and Photonics, Department of Design of Precision, Warszawa, Poland), Rowiński O. (Medical University of Warsaw, Warszawa, Poland), Lamparski K. (Medical University of Warsaw, Warszawa, Poland), Karwański Ł. (Medical University of Warsaw, Warszawa, Poland), Lipczewski T. (Medical University of Warsaw, Warszawa, Poland)

X-ray response of diamond detectors constructed using diamond layers produced by low power microwave chemical vapor deposition reactor.
Vol.127 nr 3 s.1555-1559

6.

Potera P. (Faculty of Mathematics and Natural Sciences, Rzeszów University, Poland), Zhydachevskii Y. (Lviv Polytechnic National University, Lviv, Ukraine; Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Łukasiewicz Tadeusz (ITME)

Stable color centers induced in pure and neodymium doped $\text{Ca}_{0.28}\text{Ba}_{0.72}\text{Nb}_2\text{O}_6$ crystals by gamma irradiation.
Vol.127 nr 3 s.753-755

Acta Physica Polonica A (JCR)

7.

Chmielewski Marcin (ITME), Nosewicz S. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Rojek J. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Mackiewicz S. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Romelczyk B. (The Faculty of Materials Engineering, Warsaw University of Technology, Warszawa, Poland)

A study of densification and microstructure evolution during hot pressing of $\text{NiAl}/\text{Al}_2\text{O}_3$ composite.
Vol.24 nr 1 s.57-66

Advanced Optical Materials (JCR)

8.

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Orliński Krzysztof (ITME), Surma Barbara (ITME), Kłos Andrzej (ITME), Józwik-Biała Iwona (ITME), Sobczak K. (Institute of Physics Polish Academy of Sciences, Warszawa, Poland), Dłużewski P. (Institute of Physics Polish Academy of Sciences, Warszawa, Poland), Toudert J. (Laser Processing Group Instituto de

Optica, Madrid, Spain), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)

When eutectics meet plasmonics: Nanoplasmonic, volumetric, self-organized, silver-based eutectic.

Vol.3 s.381-389

Advanced Powder Technology (JCR)

9.

Kielbasiński Konrad (ITME), Szałapak J. (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Młodziak Anna (ITME), Zwierkowska Elżbieta (ITME), Krzemiński J. (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Teodorczyk Marian (ITME)

Influence of nanoparticles content in silver paste on mechanical and electrical properties of LTJT joints.

Vol.26 s.907-913

Applied Physics A-Materials Science & Processing (JCR)

10.

Śniadecki Z. (Institute of Molecular Physics, Polish Academy of Sciences, Poznań, Poland; Institute of Nanotechnology, Karlsruhe Institute of Technology, Germany), Kopcewicz Michał (ITME), Pierunek N. (Institute of Molecular Physics, Polish Academy of Sciences, Poznań, Poland), Idzikowski B. (Institute of Molecular Physics, Polish Academy of Sciences, Poznań, Poland)

Magnetic percolation and inequivalence of Fe sites in $\text{YFe}_x\text{Co}_{2-x}$ ($x=0.03$ and 1) Laves phase compounds.

Vol.118 s.1273-1277

Applied Physics Letters (JCR)

11.

Aydogan P. (Department of Chemistry, Bilkent University, Ankara, Turkey), Arslan E. (Department of Physics, Bilkent University, Ankara, Turkey), Cakmakyapan S. (Department of Physics, Bilkent University, Ankara, Turkey), Ozbay E. (Department of Physics, Bilkent University, Ankara, Turkey), Strupiński Włodzimierz (ITME), Suzer S. (Department of Chemistry, Bilkent University, Ankara, Turkey)

Voltage contrast x-ray photoelectron spectroscopy reveals graphene-substrate interaction in graphene devices fabricated on the c- and Si- faces of Si.

Vol.107 s.121603-1-5

12.

Krupka J. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Kamiński Paweł (ITME), Kozłowski Roman (ITME), Surma Barbara (ITME), Dierlamm A. (Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen, Germany), Kwestarż M. (Topsil Semiconductor Materials SA., Warszawa, Poland)

Dielectric properties of semi-insulating silicon at microwave frequencies.

Vol.107 s.082105-1-3

13.

Rogala M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Kowalczyk P.J. (Department of Solid State Physics, Faculty of

Physics and Applied Informatics, University of Lodz, Poland), Dąbrowski P. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Własny I. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Kozłowski W. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Busiakiewicz A. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Pawłowski S. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Dobiński G. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Smolny M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Karaduman I. (Department of Physics, Gazi University, Ankara, Turkey), Lipińska Ludwika (ITME), Koziński Rafał (ITME), Librant Krzysztof (ITME), Jagiełło Joanna (ITME), Grodecki Kacper (ITME), Baranowski Jacek (ITME), Szot K. (Institute of Physics, University of Silesia, Katowice, Poland), Klusek Z. (Institute of Physics, University of Silesia, Katowice, Poland)

The role of water in resistive switching in graphene oxide.

Vol.106 s.263104-1-4

14.

Rogala M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Własny I. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Dąbrowski Paweł (ITME), Kowalczyk P.J. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Busiakiewicz A. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Kozłowski W. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Aksienionek Magdalena (ITME), Strupiński Włodzimierz (ITME), Krajewska Aleksandra (ITME), Sieradzki Z. (Electrotechnological Company QWERTY Ltd., Łódź, Poland), Krucińska I. (Department of Material and Commodity Sciences and Textile Metrology, Lodz University of Technology, Łódź, Poland), Puchalski M. (Department of Material and Commodity Sciences and Textile Metrology, Lodz University of Technology, Łódź, Poland), Skrzetuska E. (Department of Material and Commodity Sciences and Textile Metrology, Lodz University of Technology, Łódź, Poland), Klusek Z. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland)

Graphene oxide overprints for flexible and transparent electronics.

Vol.106 s.041901-1-5

15.

Winters M. (Department of Microtechnologii and Nanoscience, Chalmers University of Technology, Goteborg, Sweden), Thorsell M. (Department of Microtechnologii and Nanoscience, Chalmers University of Technology, Goteborg, Sweden), Strupiński Włodzimierz (ITME), Rorsman N. (Department of Microtechnology and Nanoscience, Chalmers University of Technology, Goteborg, Sweden)

High frequency electromagnetic detection by nonlinear conduction modulation in graphene nanowire diodes.

Vol.107 s.153508-1

Applied Thermal Engineering (JCR)

16.

Kozłowska Anna (ITME), Łapka P. (Institute of Heat Engineering, Warsaw University of Technology, Warszawa, Poland), Seredyński M. (Institute of Heat Engineering, Warsaw University of Technology, Warszawa, Poland), Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME)

Experimental study and numerical modeling of micro-channel cooler with micro-pipes for high-power diode laser arrays.

Vol.91 s.279-287

Biotechnology & Biotechnological Equipment (JCR)

17.

Jesion I. (Department of Biology of Animal Environment, Faculty of Animal Science, Warsaw University of Life Science, Warszawa, Poland), Skibniewski M. (Department of Morphological Sciences, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warszawa, Poland), Skibniewska E. (Department of Biology of Animal Environment, Faculty of Animal Science, Warsaw University of Life Science, Warszawa, Poland), Strupiński Włodzimierz (ITME), Szulc-Dąbrowska L. (Department of Preclinical Sciences, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warszawa, Poland), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Pasternak Iwona (ITME), Kowalczyk P. (Life Science, Bionicum, Warszawa, Poland), Pińkowski R. (Beckman Coulter Polska Sp.z o.o., Warszawa, Poland)

Graphene and carbon nanocompounds: biofunctionalization and applications in tissue engineering.

Vol.29 nr 3 s.415-422

Carbon (JCR)

18.

Ciuk Tymoteusz (ITME), Strupiński Włodzimierz (ITME)

Statistics of epitaxial graphene for Hall effect sensors.

Vol.93 s.1042-1049

19.

Dąbrowski Paweł (ITME) (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Rogala M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Własny I. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Kluse Z. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Kopciuszynski M. (Institute of Physics, Maria Curie-Skłodowska University, Lublin, Poland), Jalochocki M. (Institute of Physics, Maria Curie-Skłodowska University, Lublin, Poland), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME)

Nitrogen doped epitaxial graphene on 4H-SiC(0001) - Experimental and theoretical study.

Vol.94 s.214-223

20.

Strupiński Włodzimierz (ITME), Grodecki Kacper (ITME) (Faculty of Physics, University of Warsaw, Poland), Caban Piotr (ITME), Ciepielewski Paweł (ITME), Jóźwik-Biała Iwona (ITME), Baranowski Jacek (ITME) (Faculty of Physics, University of Warsaw, Poland)
Formation mechanism of graphene buffer layer on SiC(0001).

Vol.81 s.63-72

Ceramics International (JCR)

21.

Brykała Urszula (ITME), Diduszko Ryszard (ITME) (Tele and Radio Research Institute, Warszawa, Poland), Jach Katarzyna (ITME), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland)

Hot pressing of gadolinium zirconate pyrochlore.

Vol.41 s.2015-2021

22.

Sidorowicz Agata (ITME), Nakielska Magdalena (ITME), Wajler Anna (ITME), Węglarz Helena (ITME), Olszyna A. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warszawa, Poland)

Effect of Tm O doping on microstructure and optical properties of Tm:YAG ceramics.

Vol.41 s.9051-9056

Chemical Vapor Deposition (JCR)

23.

Zdrojek M. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Sobieski J. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Dużyńska A. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Zbydniewska E. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Strupiński Włodzimierz (ITME), Ratajczak J. (Institute of Electron Technology, Warszawa, Poland), Judek J. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland)

Synthesis of carbon nanotubes from propane.

Vol.21 s.94-98

Chemosphere (JCR)

24.

Kopcewicz B. (Institute of Geophysics, Polish Academy of Sciences, Warszawa, Poland), Kopcewicz Michał (ITME), Pietruczuk A. (Institute of Geophysics, Polish Academy of Sciences, Warszawa, Poland)

The Mössbauer study of atmospheric iron-containing aerosol in the coarse and PM2.5 fractions measured in rural site.

Vol.131 s.9-16

Circuit World (JCR)

25.

Peplowski A. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Janczak D. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Wróblewski G. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Słoma Marcin (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Górski Ł. (Department

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Graphene electrodes for voltammetric measurements in biological fluids.

Vol.41 nr 3 s.112-115

26.

Wróblewski G. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Kielbasiński Konrad (ITME), Swatowska B. (AGH University of Science and Technology, Kraków, Poland), Jaglarz J. (Institute of Physics, Cracow University of Technology, Kraków, Poland), Marszałek K. (AGH University of Science and Technology, Kraków, Poland), Stapiński T. (AGH University of Science and Technology, Kraków, Poland), Jakubowska Małgorzata (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland)

Carbon nanomaterials dedicated to heating systems.

Vol.41 nr 3 s.102-106

27.

Wróblewski G. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Słoma Marcin (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Janczak D. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland)

Influence of electric field on separation and orientation of carbon nanotubes in spray coated layers.

Vol.41 nr 3 s.107-111

Composites Part A-Applied Science and Manufacturing (JCR)

28.

Jarząbek D.M. (Institute of Fundamental Technological Research, Poland), Chmielewski Marcin (ITME), Wojciechowski T. (Institute of Physics, Poland)

The measurement of the adhesion force between ceramic particles and metal matrix in ceramic reinforced-metal matrix composites.

Vol.76 s.124-130

Computer Methods in Materials Science

29.

Rojek J. (Institute of Fundamental Technological Research (IPPT PAN), Warszawa, Poland), Nosewicz S. (Institute of Fundamental Technological Research (IPPT PAN), Warszawa, Poland), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research (IPPT PAN), Warszawa, Poland), Chmielewski Marcin (ITME)

Evaluation of macroscopic stresses in discrete element models of sintering processes.

Vol.15 nr 1 s.219-225

Corrosion Science (JCR)

30.

Własny I. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Łódź, Łódź, Poland), Dąbrowski Paweł (ITME), Rogala M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Łódź, Łódź, Poland), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME), Klusek Z. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Łódź, Łódź, Poland)

Impact of electrolyte intercalation on the corrosion of graphene-coated copper.
Vol.92 s.69-75

Electronics Letters (JCR)

31.

Soluch Waldemar (ITME)

Scattering analysis of SAW asymmetrical resonators and dealy lines.
Vol.51 nr 21 s.1623-1624

Elektronika

32.

Dobrzański Lech (ITME), Caban Piotr (ITME), Kowalik Andrzej (ITME), Podgórski Jarosław (ITME), Rudziński Mariusz (ITME), Góra Krzysztof (ITME), Jagoda Andrzej (ITME), Stańczyk Beata (ITME), Wojnowski Dariusz (ITME), Kozłowski Andrzej (ITME), Przyborowska Krystyna (ITME), Lewandowski A. (Wydział Systemów Elektronicznych, Politechnika Warszawska), Wiatr W. (Wydział Systemów Elektronicznych, Politechnika Warszawska), Paszkiewicz R. (Wydział Elektroniki Mikrosystemów i Fotoniki, Politechnika Wrocławska)

Monolityczny mikrofalowy układ scalony z GaN/AlGaN.
nr 6 s.6-9

33.

Pawłowski R. (Abraxas Jeremiasz Olgierd, Wodzisław Śląski), Sobik P. (Abraxas Jeremiasz Olgierd, Wodzisław Śląski), Halama O. (Abraxas Jeremiasz Olgierd, Wodzisław Śląski), Nikiel W. (Politechnika Warszawska, Wydział Mechatroniki), Jakubowska Małgorzata (ITME) (Politechnika Warszawska, Wydział Mechatroniki), Krzemiński J. (Politechnika Warszawska, Wydział Mechatroniki), Kielbasiński Konrad (ITME), Szałapak Jerzy (ITME) (Politechnika Warszawska, Wydział Mechatroniki)

Wielkoskalowa technologia wytwarzania nanoproszku srebra.
nr 10 s.27-30

34.

Racka-Szmidt Katarzyna (ITME)

Wpływ domieszkowania na właściwości węgla krzemu (SiC) - przegląd.
nr 12 s.67-82

35.

Romaniuk R.S. (Politechnika Warszawska, WEiT, Instytut Systemów Elektronicznych), Dorosz J. (Politechnika Białostocka, Wydział Elektryczny, Katedra Elektroenergetyki, Fotoniki i Techniki Świetlnej), Wójcik W. (Politechnika Lubelska, WEiI, Instytut Elektroniki i Technik Informacyjnych), Mergo P. (Uniwersytet Marii Curie-Skłodowskiej, Wydział

Chemii, Zespół Technologii Światłowodów), Buczyński Ryszard (ITME) (Wydział Fizyki UW, Warszawa, Polska)

Cztery dekady rozwoju nauki i techniki światłowodowej w Polsce - część 2.
nr 8 s.54-63

36.

Sobczak Grzegorz (ITME) (Politechnika Warszawska, Wydział Fizyki), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Krzyżak Konrad (ITME), Dąbrowski Andrzej (ITME), Małąg Andrzej (ITME)

Formowanie i stabilizacja rozkładu pola optycznego w płaszczyźnie złącza w diodach laserowych dużej mocy.

Nr 9 s.20-23

European Physical Journal A (JCR)

37.

Kordyasz A.J. (Heavy Ion Laboratory, Warsaw University, Warszawa, Poland), Le Neindre N. (LPC, IN2P3-CNRS, ENSICAEN and Universite de Cean, France), Parlog M. (LPC, IN2P3-CNRS, ENSICAEN and Universite de Cean, France; "Horia Hulubei" National Institute of Physics and Nuclear Engineering (IFIN-HH), Bucharest, Romania), (razem 65 osób), Sarnecki Jerzy (ITME), Lipiński Dariusz (ITME), Wodzińska Halina (ITME), Brzozowski Andrzej (ITME), Teodorczyk Marian (ITME), Gajewski Michał (ITME), Zagojski Andrzej (ITME), Krzyżak Konrad (ITME), i inni

Low-temperature technique of thin silicon ion implanted epitaxial detectors.

Vol.51 s.1-6

IEEE Sensors Journal (JCR)

38.

Soluch Waldemar (ITME), Wróbel Tadeusz (ITME)

Monolithic crystal filter for application in viscosity sensor.

Vol.15 nr 10 s.6005-6009

Infrared Physics & Technology (JCR)

39.

Kasztelaniec Rafał (ITME) (University of Warsaw, Department of Physics, Warszawa, Poland), Kujawa Ireneusz (ITME), Ottevaere H. (Vrije Universiteit Brussel, Departments of Applied Physics and Photonics, Brussels Photonics Team, Brussel, Belgium), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Thienpont H. (Vrije Universiteit Brussel, Departments of Applied Physics and Photonics, Brussels Photonics Team, Brussel, Belgium), Buczyński Ryszard (ITME) (University of Warsaw, Department of Physics, Warszawa, Poland)

Optical quality study of refractive lenses made out of oxide glass using hot embossing.

Vol.73 s.212-218

40.

Kasztelaniec Rafał (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Kujawa Ireneusz (ITME), Stępień Ryszard (ITME), Kluczyński P. (Airoptic Sp. z o.o., Poznań, Poland), Kozłowska Anna (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Low-cost soft-glass diffractive and refractive lenses for efficient mid-IR fiber coupling systems.

Vol.71 s.307-312

International Journal of Molecular Sciences (JCR)

41.

Sawosz E. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Jaworski S. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Kutwin M. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Vadalasetty K.P. (Department of Veterinary Clinical and Animal Sciences, University of Copenhagen, Denmark), Grodzik M. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Wierzbicki M. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Kurantowicz N. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Strojny B. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Hotowy A. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Chwalibóg A. (Department of Veterinary Clinical and Animal Sciences, University of Copenhagen, Denmark)

Graphene functionalized with arginine decreases the development of glioblastoma multiforme tumor in a gene-dependent manner.

Vol.16 s.25214-25233

International Journal of Nanomedicine (JCR)

42.

Jaworski S. (Warsaw University of Life Science, Faculty of Animal Science, Division of Biotechnology and Biochemistry of Nutrition), Sawosz E. (Warsaw University of Life Science, Faculty of Animal Science, Division of Biotechnology and Biochemistry of Nutrition), Kutwin M. (Warsaw University of Life Science, Faculty of Animal Science, Division of Biotechnology and Biochemistry of Nutrition), Wierzbicki M. (Warsaw University of Life Science, Faculty of Animal Science, Division of Biotechnology and Biochemistry of Nutrition), Hinzmann M. (Warsaw University of Life Science, Faculty of Animal Science, Division of Biotechnology and Biochemistry of Nutrition), Grodzik M. (Warsaw University of Life Science, Faculty of Animal Science, Division of Biotechnology and Biochemistry of Nutrition), Winnicka A. (Department of Pathology and Veterinary Diagnostics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences), Lipińska Ludwika (ITME), Włodyga K. (Warsaw University of Life Science, Faculty of Animal Science, Division of Biotechnology and Biochemistry of Nutrition), Chalibóg A. (University of Copenhagen, Department of Veterinary Clinical and Animal Sciences, Copenhagen, Denmark)

In vitro and in vivo effects of graphene oxide and reduced graphene oxide on glioblastoma.

Vol.10 s.1585-1596

International Journal of Refractory Metals and Hard Materials (JCR)

43.

Szutkowska M. (Institute of Advanced Manufacturing Technology, Kraków, Poland), Jaworska L. (Institute of Advanced Manufacturing Technology, Kraków, Poland), Boniecki Marek (ITME), Stobierski L. (Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Kraków, Poland), Rozmus M. (Institute of Advanced Manufacturing Technology, Kraków, Poland)

Mechanical behaviour of diamond matrix composites with ceramic Ti (Si, Ge)C bonding phase.
Vol.49 s.302-306

Journal Crystal Growth (JCR)

44.

Caban Piotr (ITME), Rudziński Mariusz (ITME), Wójcik Marek (ITME), Gaca Jarosław (ITME), Strupiński Włodzimierz (ITME)

Growth of aluminium nitride with linear change of ammonia flow.

Vol.414 s.81-86

45.

Rudziński Mariusz (ITME), Kudrawiec R. (Institute of Physics, Wrocław University of Technology, Wrocław, Poland), Patriarche G. (Laboratory for Photonics and Nanostructures, Marcoussis, France), Kucharski R. (AMMONO S.A., Warszawa, Poland), Caban Piotr (ITME), Strupiński Włodzimierz (ITME)

Simultaneous growth of GaN/AlGaN quantum wells on c-, a-, m-, and (20.1)-plane GaN bulk substrates obtained by ammonothermal method: Structural studies.

Vol.414 s.87-93

Journal of Advanced Dielectrics

46.

Filipic C. (Jozef Stefan Institute, Ljubljana, Slovenia), Kłos Andrzej (ITME), Gajc Marcin (ITME), Pawlak Dorota (ITME), Dolinsek J. (Jozef Stefan Institute, Ljubljana, Slovenia), Levstik A. (Jozef Stefan Institute, Ljubljana, Slovenia)

Dielectric relaxation in pure and Co-doped Bi₁₂GeO₂₀ single crystals.

Vol.5 nr 3 s.1550023-1-5

Journal of Alloys and Compounds (JCR)

47.

Drozdowski W. (Instytut of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Brylew K. (Instytut of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Malinowski M. (Institute of Mikroelectronics and Optoelectronics, Warszawa, Poland), Turczyński Sebastian (ITME)

Scintillation properties of uPD-grown Y₄Al₂O₉:Pr (YAM:Pr) crystals.

Vol.632 s.816-821

48.

Kuryliszyn-Kudelska I. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Arciszewska M. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Małolepszy A. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland), Mazurkiewicz M. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland), Stobiński L. (Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland), Grabias Agnieszka (ITME), Kopcewicz Michał (ITME), Paszkowicz W. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Minikaev R. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Domukhovski V. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Nedelko N. (Institute of Physics, Polish Academy of Sciences,

Warszawa, Poland), Dobrowolski W. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland)

Influence of Fe doping on magnetic properties of ZrO₂ nanocrystals.

Vol.632 s.609-616

49.

Michalska Monika (ITME), Lipińska Ludwika (ITME), Sikora A. (Electrotechnical Institute, Division of Electrotechnology and Materials Science, Wrocław, Poland), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Korona K.P. (Faculty of Physics, University of Warsaw, Poland), Andrzejczuk M. (Warsaw University of Technology, Faculty of Material Science and Engineering, Warszawa, Poland)

Structural and morphological studies of manganese-based cathode materials for lithium ion batteries.

Vol.632 s.256-262

Journal of Applied Physics (JCR)

50.

Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Kaźmierczak P. (Faculty of Physics, University of Warsaw, Poland), Bożek R. (Faculty of Physics, University of Warsaw, Poland), Karpierz E. (Faculty of Physics, University of Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Poland; Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Strupiński Włodzimierz (ITME)

Electron scattering in graphene with adsorbed NaCl nanoparticles.

Vol.117 s.014308-1-6

51.

Kowalski G. (Faculty of Physics, University of Warsaw, Poland), Tokarczyk M. (Faculty of Physics, University of Warsaw, Poland), Dąbrowski Paweł (ITME), Ciepielewski Paweł (ITME), Możdżonek Małgorzata (ITME), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME) (Faculty of Physics, University of Warsaw, Poland)

New X-ray insight into oxygen intercalation in epitaxial graphene grown on 4H-SiC(0001).

Vol.117 s.105301-1-9

52.

Sotor J. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Sobon G. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Jagiełło Joanna (ITME), Lipińska Ludwika (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland)

Repetition frequency scaling of an all-polarization maintaining erbium-doped mode-locked fiber based on carbon nanotubes saturable absorber.

Vol.117 s.133103-1-5

53.

Racka-Szmidt Katarzyna (ITME), Avdonin A. (Institute of Physics, Polish Academy of Science, Warszawa, Poland), Sochacki M. (Institute of Microelectronics and Optoelectronics of Warsaw University of Technology, Warszawa, Poland), Tymicki Emil (ITME), Grasa

Krzysztof (ITME) (Institute of Physics, Polish Academy of Science, Warszawa, Poland), Jakiela Rafał (ITME) (Institute of Physics, Polish Academy of Science, Warszawa, Poland), Surma Barbara (ITME), Dobrowolski W. (Institute of Physics, Polish Academy of Science, Warszawa, Poland)

Magnetic, optical and electrical characterization of SiC doped with scandium during the PVT growth.

Vol.413 s.86-93

Journal of Lightwave Technology (JCR)

54.

Salski B. (Institute of Radioelectronics, Warsaw University of Technology, Warszawa, Poland), Karpisz T. (Institute of Radioelectronics, Warsaw University of Technology, Warszawa, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, Warsaw University, Warszawa, Poland)

Electromagnetic modeling of third-order nanolocalities in photonic crystal fibers using a vector two-dimensional FDTD algorithm.

Vol.33 nr 13 s.2905-2912

Journal of Luminescence (JCR)

55.

Babin V. (Institute of Physics AS CR, Prague, Czech Republic), Cherenko K. (Institute of Physics, University of Tartu, Tartu, Estonia; Peter the Great Saint-Petersburg Polytechnic University, Petersburg, Russia), Lipińska Ludwika (ITME), Mihokova E. (Institute of Physics AS CR, Prague, Czech Republic), Nikl M. (Institute of Physics AS CR, Prague, Czech Republic), Schulman L.S. (Physics Department, Clarkson University, NY, USA), Shalapska T. (Institute of Physics, University of Tartu, Tartu, Estonia), Suchocki A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Institute of Physics, University of Bydgoszcz, Poland), Zazubovich S. (Institute of Physics, University of Tartu, Tartu, Estonia), Zhydachevskii Y. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Lviv Polytechnic National University, Lviv, Ukraine)

Luminescence and excited state dynamics of Bi³⁺ centers in Y₂O₃.

Vol.167 s.268-277

56.

Ryba-Romanowski W. (Institute of Low Temperature and Structure Research Polish Academy of Sciences, Wrocław, Poland), Niedźwiecki T. (Institute of Low Temperature and Structure Research Polish Academy of Sciences, Wrocław, Poland), Komar J. (Institute of Low Temperature and Structure Research Polish Academy of Sciences, Wrocław, Poland), Lisiecki R. (Institute of Low Temperature and Structure Research Polish Academy of Sciences, Wrocław, Poland), Świrkowicz Marek (ITME)

Luminescence and energy transfer phenomena in YVO₄ single crystal co-doped with Tm³⁺ and Eu³⁺.

Vol.162 s.134-139

Journal of Materials Engineering and Performance (JCR)

57.

Chmielewski Marcin (ITME), Piątkowska Anna (ITME)

Effect of rhenium addition on wear behavior of Cr-Al₂O₃ metal matrix composites.

Vol.24 nr 5 s.1871-1880

Journal of Materials Science-Materials in Electronics (JCR)

58.

Kielbasiński Konrad (ITME), Krzemiński J. (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Młodziak Anna (ITME), Zwierkowska Elżbieta (ITME), Jeremiasz O. (ABRAXAS, Wodzisław Śląski, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Szałapak J. (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Pawłowski R. (ABRAXAS, Wodzisław Śląski, Poland)

New technology of silvering aluminium busbar joints with the use of printable paste containing nano-size Ag particles

Vol.26 s.1832-1837

Journal of Nanomaterials (JCR)

59.

Wróblewski G. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Kielbasiński Konrad (ITME), Stapiński T. (AGH University of Science and Technology, Kraków, Poland), Jaglarz J. (Institute of Physics, Cracow University of Technology, Kraków, Poland), Marszałek K. (AGH University of Science and Technology, Kraków, Poland), Swatowska B. (AGH University of Science and Technology, Kraków, Poland), Dybowska-Sarapuk Lucja (ITME), Jakubowska Małgorzata (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland)

Graphene platelets as morphology tailoring additive in carbon nanotube transparent and flexible electrodes for heating applications.

Vol. Article ID 316315

Kwartalnik Urzędu Patentowego RP

60.

Racka-Szmidt Katarzyna (ITME) (Polskie Towarzystwo Wzrostu Kryształów)

To profesor Jan Czochralski przyczynił się do zmiany oblicza naszej cywilizacji.

Nr 1 s.88-92

Materials Science and Engineering C-Materials for Biological Applications (JCR)

61.

Wilczek P. (Heart Prosthesis Institute, Bioengineering Laboratory, Zabrze, Polska), Major R. (Institute of Metallurgy and Materials Sciences, Kraków, Poland), Lipińska Ludwika (ITME), Lackner J. (Joanneum Research Forschungs-GmbH, Functional Surfaces Materials, Loeben, Austria), Mzyk A. (Institute of Metallurgy and Materials Sciences, Kraków, Poland)

Thrombogenicity and biocompatibility studies of reduced graphene oxide modified acellular pulmonary valve tissue.

Vol.53 s.310-321

Materials Science and Engineering

62.

Siciński M. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Technical University of Łódź, Poland), Gozdek T. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Technical University of Łódź, Poland), Bieliński D.M. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Technical University of Łódź, Poland; Institute for Engineering of Polymer Materials and Dyes, Division of Elastomer and Rubber Technology, Piastów, Poland), Szymanowski H. (Institute of Materials Engineering, Faculty

of Mechanical Engineering, Technical University of Łódź, Poland), Kleczewska J. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Technical University of Łódź, Poland), Piątkowska Anna (ITME)

Plasma-modified graphene nanoplatelets and multiwalled carbon nanotubes as fillers for advanced rubber composites.

Vol.87 s.012012-1-8

Materiały Ceramiczne

63.

Boniecki Marek (ITME), Jach Katarzyna (ITME), Librant Zdzisław (ITME), Wesołowski Władysław (ITME), Węglarz Helena (ITME), Gizowska M. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa), Perkowski K. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa), Witek A. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa), Witosławska I. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa)

Mechanika kruchego pęknięcia ceramiki Y_2O_3 .

Vol.67 nr 1 s.43-47

64.

Boniecki Marek (ITME), Librant Zdzisław (ITME), Wesołowski Władysław (ITME), Gizowska M. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa), Osuchowski M. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa), Perkowski K. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa), Witek A. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa), Witosławska I. (Instytut Ceramiki i Materiałów Budowlanych, Warszawa), Karczmarz M. (Politechnika Lubelska, Wydział Mechaniczny, Lublin)

Odporność na pęknięcie ceramiki Y_2O_3 .

Vol.67 nr 4 s.378-382

65.

Homa M. (Instytut Odlewnictwa, Centrum Badań Wysokotemperaturowych, Kraków, Polska), Sobczak N. (Instytut Odlewnictwa, Centrum Badań Wysokotemperaturowych, Kraków, Polska), Gazda A. (Instytut Odlewnictwa, Centrum Badań Wysokotemperaturowych, Kraków, Polska), Siewiorek A. (Instytut Odlewnictwa, Centrum Badań Wysokotemperaturowych, Kraków, Polska), Kudyba A. (Instytut Odlewnictwa, Centrum Badań Wysokotemperaturowych, Kraków, Polska), Pietrzak Katarzyna (ITME), Frydman Krystyna (ITME), Wójcik-Grzybek Danuta (ITME), Strojny-Nędza Agata (ITME)

Termofizyczne właściwości kompozytów Ag-C.

Vol.67 nr 3 s.248-256

Materiały Elektroniczne

66.

Boniecki Marek (ITME), Librant Zdzisław (ITME), Wesołowski Władysław (ITME), Gołębiowski Przemysław (ITME), Zybala Rafał (ITME), Kaszyca Kamil (ITME), Koziński Rafał (ITME), Librant Krzysztof (ITME), Piątkowska Anna (ITME), Romaniec Magdalena (ITME), Ciepielewski Paweł (ITME), Krzyżak Konrad (ITME), Kurpaska Ł. (Narodowe Centrum Badań Jądrowych, Otwock-Świerk)

Właściwości mechaniczne ceramiki Y_2O_3 wzmocnionej płatkami grafenowymi.

Vol.43 nr 3 s. 15-24

67.

Jóźwik Przemysław (ITME) (Narodowe Centrum Badań Jądrowych, Świerk-Otwock), Turos Andrzej (ITME) (Narodowe Centrum Badań Jądrowych, Świerk-Otwock), Jagielski Jacek (ITME) (Narodowe Centrum Badań Jądrowych, Świerk-Otwock), Natarajan Sathish (ITME) (Narodowe Centrum Badań Jądrowych, Świerk-Otwock), Nowicki L. (Narodowe Centrum Badań Jądrowych, Świerk-Otwock)

Analiza odkształceń sieci krystalicznej w sąsiedztwie dyslokacji.

Vol.43 nr 2 s.18-26

68.

Małąg Andrzej (ITME), Sobczak Grzegorz (ITME), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Dąbrowski Andrzej (ITME), Nakielska Magdalena (ITME)

Toward improvement of beam quality of wide-stripe high-power laser diodes.

Vol.43 nr 3 s.7-14

69.

Malinowska Agnieszka (ITME), Wierzbicka Edyta (ITME), Wierzchowski Wojciech (ITME), Mazur Krystyna (ITME), Romaniec Magdalena (ITME), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME), Szyrski Włodzimierz (ITME), Drozdowski W. (Zespół Spektroskopii Materiałów Scyntylacyjnych i Fosforów, Instytut Fizyki, Wydział Fizyki, Astronomii i Informatyki Stosowanej, Uniwersytet Mikołaja Kopernika, Toruń)

Badanie struktury defektowej w nowych rodzajach scyntylacyjnych monokryształów mieszanych granatów lutetowo-ityrowo-glinowych $[\text{Lu}_x\text{Y}_{1-x}]_3\text{Al}_5\text{O}_{12}$ (LuYAG) niedomieszkowanych oraz aktywowanych prazeodymem.

Vol.43 nr 1 s.11-28

70.

Pawłowski R. (Abraxas Jeremiasz Olgierd, Wodzasław Śląski, Polska)

Dobór parametrów procesu termicznego rozkładu prekursora nanoproszku srebra w celu uzyskania optymalnej struktury krystalitów srebra.

Vol.43 nr 2 s.12-17

71.

Podnieśński Dariusz (ITME), Nakielska Magdalena (ITME), Kozłowska Anna (ITME), Stępień Ryszard (ITME), Pysz Dariusz (ITME)

Laser na szkle fosforanowym domieszkowanym erbem, iterbem i chromem.

Vol.43 nr 1 s.4-10

72.

Raczkiewicz Marcin (ITME), Tymicki Emil (ITME), Łukasiewicz Tadeusz (ITME)

Wzrost politypu 3C-SiC z roztworu metodą TSSG.

Vol.43 nr 2 s.4-11

73.

Sadura Jolanta (ITME), Brzozowski Ernest (ITME), Łysakowska Magdalena (ITME)

Acoustic plate modes in GaN crystal plates perpendicularly cut to crystallographic Z axis.

Vol.43 nr 3 s.4-6

74.

Stańczyk Beata (ITME), Dobrzański Lech (ITME), Góra Krzysztof (ITME), Jach Katarzyna (ITME), Jagoda Andrzej (ITME)

Hydrofobowe powłoki organiczne na gładkich podłożach i na podłożach z rozwiniętą powierzchnią

Vol.43 nr 3 s.25-34

75.

Wierzbicka Edyta (ITME), Malinowska Agnieszka (ITME), Wierzchowski Wojciech (ITME), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME), Szyrski Włodzimierz (ITME), Romaniec Magdalena (ITME), Mazur Krystyna (ITME)

Rentgenowska topografia dyfrakcyjna defektów sieci krystalicznej w monokryształach $MgAl_2O_4$ i $ScAlMgO_4$ otrzymywanych w różnych warunkach technologicznych.

Vol.43 nr 1 s.29-39

Mechanik

76.

Bakoń Andrzej (ITME), Brylski A. (Politechnika Gdańska, Wydział Mechaniczny)

Automatyzacja procesów spiekanych kompozytów diamentowo-metalowych.

Nr 8-9 s.4-9

77.

Bakoń Andrzej (ITME), Brzeziński M.R. (Instytut Mechaniki Precyzyjnej, Warszawa), Marchlewski P. (Instytut Mechaniki Precyzyjnej, Warszawa)

Specyfika mechanicznej obróbki wykończeniowej implantów i endoprotez.

Nr 8-9 s.15-19

Metrology and Measurement Systems (JCR)

78.

Szałapak Jerzy (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Poland), Kiełbasiński Konrad (ITME), Krzemiński J. (Warsaw University of Technology, Faculty of Mechatronics, Poland), Młodziak Anna (ITME), Zwierkowska Elżbieta (ITME), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Poland), Pawłowski R. (ABRAXAS, Wodzisław Śląski, Poland)

A method of calculating thermal diffusivity and conductivity for irregularly shaped specimens in laser flash analysis.

Vol.22 nr 4 s.521-530

Microelectronics Engineering

79.

Sochacki M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland), Król K. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland; Tele- and Radio Research Institute, Warsaw, Poland), Waśkiewicz M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland), Racka Katarzyna (ITME), Szmidt J. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland)

Interface traps in metal-insulator-semiconductor (MIS) structures studied by the thermally-stimulated current (TSC) technique.

przyjęto do druku

Micron (JCR)

80.

Gajewski K. (Wrocław University of Technology, Faculty of Microsystem Electronics and Photonics, Wrocław, Poland), Kopiec D. (Wrocław University of Technology, Faculty of Microsystem Electronics and Photonics, Wrocław, Poland), Moczala M. (Wrocław University of Technology, Faculty of Microsystem Electronics and Photonics, Wrocław, Poland), Piotrowicz A. (Wrocław University of Technology, Faculty of Microsystem Electronics and Photonics, Wrocław, Poland), Zielony M. (Wrocław University of Technology, Faculty of Microsystem Electronics and Photonics, Wrocław, Poland), Wielgoszewski G. (Wrocław University of Technology, Faculty of Microsystem Electronics and Photonics, Wrocław, Poland), Gotszalk T. (Wrocław University of Technology, Faculty of Microsystem Electronics and Photonics, Wrocław, Poland), Strupiński Włodzimierz (ITME)

Scanning probe microscopy investigations of the electrical properties of chemical vapor deposited graphene grown on a 6H-SiC substrate.

Vol.68 s.17-22

Microscopy and Microanalysis (JCR)

81.

Jóźwik Iwona (ITME), Baranowski Jacek (ITME), Grodecki Kacper (ITME), Dąbrowski P. (Department of Solid States Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Strupiński Włodzimierz (ITME)

Conductivity contrast in SEM images of hydrogenated graphene grown on SiC.

Vol.21 nr suppl.3 s.31-32

82.

Jóźwik Iwona (ITME), Jagielski Jacek (ITME), Gawlik Grzegorz (ITME), Jóźwik Przemysław (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Panczer G. (Institute Lumiere Matiere ILM, Universite Lyon, Villeurbanne, France), Moncoffre N. (Institut de Physique Nucleaire de Lyon, Universite de Lyon, Villeurbanne, France), Wajler Anna (ITME), Sidorowicz Agata (ITME)

Analysis of radiation damage in magnesium aluminate spinel by means of cathodoluminescence.

Vol.21 nr suppl.3 s.1005-1006

Nanoscale Research Letters (JCR)

83.

Kurantowicz N. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Strojny B. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Sawosz E. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Jaworski S. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Kutwin M. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Grodzik M. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Wierzbicki M. (Department of Animal Nutrition and Biotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Lipińska Ludwika (ITME), Mitura K. (Department of Biomedical Engineering, Koszalin University of Technology, Poland), Chwalibóg A. (Department of Veterinary Clinical and Animal Sciences, University of Copenhagen, Denmark)

Biodistribution of a high dose of diamond graphite, and graphene oxide nanoparticles after multiple intraperitoneal injections in rats.

Vol.10:398 s.1-14

84.

Kurnatowicz N. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warszawa, Poland), Sawosz E. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warszawa, Poland), Jaworski S. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warszawa, Poland), Kutwin M. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warszawa, Poland), Strojny B. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warszawa, Poland), Wierzbicki M. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warszawa, Poland), Szeliga J. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warszawa, Poland), Hotowy A. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Science, Warsaw University of Life Sciences, Warszawa, Poland), Lipińska Ludwika (ITME), Koziński Rafał (ITME), Jagiełło Joanna (ITME), Chwalibog A. (Department of Veterinary Clinical and Animal Sciences, University of Copenhagen, Groennegaardsvej, Copenhagen, Denmark)

Interaction of graphene family materials with *Listeria monocytogenes* and *Salmonella enterica*.

DOI:10.1186/s11671-015-0749-y

Nanotechnology (JCR)

85.

Binder J. (Faculty of Physics, University of Warsaw, Poland), Urban J.M. (Faculty of Physics, University of Warsaw, Poland), Stępniewski R. (Faculty of Physics, University of Warsaw, Poland), Strupiński Włodzimierz (ITME), Wysmołek A. (Faculty of Physics, University of Warsaw, Poland)

In situ Raman spectroscopy of the graphene/water interface of a solution-gated field-effect transistor: electron-phonon coupling and spectroelectrochemistry.

Vol.27 s.045704-1-11

Nuclear Instruments and Methods in Physics Research A-Accelerators Spectrometers Deterctors and Associated Equipment (JCR)

86.

Pasternak A.A. (A.F.Ioffe Physicso-Technical Institute RAS, St.Petersbourg, Russia), Sankowska I. (Nuclear Physics Division, Institute of Experimental Physics, University of Warsaw, Poland; Institute of Electron Technology, Warszawa, Poland), Tucholski A. (Heavy Ion Laboratory, University of Warsaw, Poland), Srebrny J. (Heavy Ion Laboratory, University of Warsaw, Poland), Morek T. (Nuclear Physics Division, Institute of Experimental Physics, University of Warsaw, Poland), Droste Ch. (Nuclear Physics Division, Institute of Experimental Physics, University of Warsaw, Poland), Grodner E. (Nuclear Physics Division, Institute of Experimental Physics, University of Warsaw, Poland), Sałata M. (Nuclear Physics Division, Institute of Experimental Physics, University of Warsaw, Poland), Mierzejewski J. (Nuclear Physics Division, Institute of Experimental Physics, University of Warsaw, Poland; Heavy Ion Laboratory, University of Warsaw, Poland), Kisieliński M. (Heavy Ion Laboratory, University of Warsaw, Poland; National Centre for Nuclear Research, Otwock-Świerk,

Poland), Kowalczyk M. (Nuclear Physics Division, Institute of Experimental Physics, University of Warsaw, Poland; Heavy Ion Laboratory, University of Warsaw, Poland), Perkowski J. (University of Łódź, Poland), Nowicki L. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Stonert A. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Gawlik Grzegorz (ITME), Kownacki J. (Heavy Ion Laboratory, University of Warsaw, Poland), Kordyasz A. (Heavy Ion Laboratory, University of Warsaw, Poland), Korman A.A. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Płóciennik W. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Ruchowska E. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Wolińska-Cichocka M. (Heavy Ion Laboratory, University of Warsaw, Poland)

The stopping power of heavy ions for energies below 0.2MeV/nucleon measured by the semi-thick target method.

Vol.774 s.82-88

Nuclear Instruments and Methods in Physics Research B-Beam Interactions with Materials and Atoms (JCR)

87.

Jóźwik Iwona (ITME), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Gawlik Grzegorz (ITME), Panczer G. (Institut Lumiere Matiere ILM, Universite de Lyon, Villeurbanne, France), Moncoffre N. (Institut de Physique Nucleaire de Lyon IPNL, Universite de Lyon, Villeurbanne, France), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Jóźwik Przemysław (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Wajler Anna (ITME), Sidorowicz Agata (ITME), Thome L. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, Universite Paris-Sud, Orsay, France)

Ion beam-induced luminescence as method of characterization of radiation damage in polycrystalline materials.

Nr 365 s.273-277

88.

Wierzchowski Wojciech (ITME), Wieteska K. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Sobierajski R. (Polish Academy of Science, Institute of Physics, Warszawa, Poland), Klinger D. (Polish Academy of Science, Institute of Physics, Warszawa, Poland), Pełka J. (Polish Academy of Science, Institute of Physics, Warszawa, Poland), Żymierska D. (Polish Academy of Science, Institute of Physics, Warszawa, Poland), Paulmann C. (DESY HASYLAB, Hamburg, Germany), Hau-Riege S.P. (Lawrence Livermore National Laboratory, Livermore, California, USA), London R.A. (Lawrence Livermore National Laboratory, Livermore, California, USA), Graf A. (Lawrence Livermore National Laboratory, Livermore, California, USA), Burian T. (Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic), Chalupsky J. (Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic), Gaudin J. (European XFEL GmbH, Albert-Einstein-Ring, Hamburg, Germany), Krzywinski J. (National Accelerator Laboratory, Menlo Park, California, USA), Moeller S. (National Accelerator Laboratory, Menlo Park, California, USA), Messerschmidt M. (National Accelerator Laboratory, Menlo Park, California, USA), Bozek J. (National Accelerator Laboratory, Menlo Park, California, USA), Bostedt Ch. (National Accelerator Laboratory, Menlo Park, California, USA)

Synchrotron topographic evaluation of strain around craters generated by irradiation with X-ray pulses from free electron laser with different intensities.
Nr 364 s.20-26

Optica Applicata (JCR)

89.

Kruk A. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Wajler Anna (ITME), Mrózek M. (Jagiellonian University, Faculty of Physics, Astronomy and Applied Computer Science, Kraków, Poland), Zych Ł. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Gawlik W. (Jagiellonian University, Faculty of Physics, Astronomy and Applied Computer Science, Kraków, Poland), Brylewski T. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland)

Transparent yttrium oxide ceramics as potential optical isolator materials.
Vol.45 nr 4 s.585-5

Optical and Quantum Electronics (JCR)

90.

Cimek Jarosław (ITME) (Faculty Physics University of Warsaw, Poland), Stępień Ryszard (ITME), Klimczak Mariusz (ITME), Kujawa Ireneusz (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME)

Modification of borosilicate glass composition for joint thermal processing with lead oxide glasses for development of photonic crystal fibers.
Vol.47 s.27-35

91.

Karpisz Tomasz (ITME) (Institute of Radioelectronics, Warsaw University of Technology, Warszawa, Poland), Salski B. (Institute of Radioelectronics, Warsaw University of Technology, Warszawa, Poland), Szumska A. (Faculty of Physics, University of Warsaw, Poland), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

FDTD analysis of modal dispersive properties on nonlinear photonic crystal fibers.
Vol.47 s.99-106

92.

Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Poland), Pniewski J. (Faculty of Physics, University of Warsaw, Poland), Klimczak Mariusz (ITME), Martynkien T. (Institute of Physics, Wrocław University of Technology), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Kujawa Ireneusz (ITME), Borzycki K. (National Institute of Telecommunications, Warszawa, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Broadband dispersion measurement of photonic crystal fibers with nanostructured core.
Vol.47 s.807-814

93.

Swat Michał (ITME) (Institute of Radioelectronics, Warsaw University of Technology, Poland), Salski B. (Institute of Radioelectronics, Warsaw University of Technology, Poland), Karpisz Tomasz (ITME) (Institute of Radioelectronics, Warsaw University of Technology, Poland), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Poland),

Kujawa Ireneusz (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Numerical analysis of highly birefringent microstructured optical fiber with an anisotropic core.

Vol.47 s.77-88

Optical Engineering (JCR)

94.

Siwicki Bartłomiej (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Klimczak Mariusz (ITME), Soboń G. (Wroclaw University of Technology, Laser&Fiber Electronics Group, Wrocław, Poland), Sotor J. (Wroclaw University of Technology, Laser&Fiber Electronics Group, Wrocław, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Abramski K. (Wroclaw University of Technology, Laser&Fiber Electronics Group, Wrocław, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Numerical simulations of spectral broadening in all-normal dispersion photonic crystal fiber at various pump pulse conditions.

Vol.54 nr 1 s.016102-1-8

Optical Fiber Technology (JCR)

95.

Siwicki Bartłomiej (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Klimczak Mariusz (ITME), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Supercontinuum generation enhancement in all-solid all-normal dispersion soft glass photonic crystal fiber pumped at 1550 nm.

Vol.25 s.64-71

Optical Materials (JCR)

96.

Babin V. (Institute of Physics AS CR, Prague, Czech Republic), Lipińska Ludwika (ITME), Mihokova E. (Institute of Physics AS CR, Prague, Czech Republic), Nikl M. (Institute of Physics AS CR, Prague, Czech Republic), Shalapska T. (Institute of Physics, University of Tartu, Tartu, Estonia), Suchocki A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Institute of Physics, University of Bydgoszcz, Poland), Zazubovich S. (Institute of Physics, University of Tartu, Tartu, Estonia), Zhydachevskii Y. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Lviv Polytechnic National University, Lviv, Ukraine)

Time-resolved spectroscopy of Bi³⁺ centers in Y₄Al₂O₉.

Vol.46 s.104-108

97.

Sidorowicz Agata (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warszawa, Poland), Nakielska Magdalena (ITME), Wajler Anna (ITME), Węglarz Helena (ITME), Jach Katarzyna (ITME), Olszyna A. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warszawa, Poland)

Fabrication and optical studies of transparent Tm, Ho:YAG ceramics.

Vol.50 s.52-58

98.

Wajler Anna (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Zych Ł. (Faculty of Materials Science and Ceramics, AGH-University of Science and Technology, Kraków, Poland), Nakielska Magdalena (ITME), Jach Katarzyna (ITME), Tomaszewski Henryk (ITME)

Preparation of transparent neodymium-doped yttrium aluminate garnet (Nd:YAG) ceramics with the use of freeze granulation.

Vol.50 s.40-46

Optical Materials Express (JCR)

99.

Pniewski J. (Faculty of Physics, University of Warsaw, Poland), Stefaniuk T., Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Poland), Pysz Dariusz (ITME), Martynkien T. (Institute of Physics, Wrocław University of Technology, Wrocław, Poland), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Limits in development of photonic crystal fibers with a subwavelength inclusion in the core.

Vol.5 nr 10 s.2366-2376

100.

Sobon G. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Sotor J. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland)

Multilayer graphene-based saturable absorbers with scalable modulation depth for mode-locked Er- and Tm-doped fiber lasers.

Vol.5 nr 12 s.2884-2894

Optics Express (JCR)

101.

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Klimczak Mariusz (ITME), Stefaniuk T. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Kasztelaniec Rafał (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Siwicki Bartłomiej (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Cimek Jarosław (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME)

Optical fibers with gradient index nanostructured core.

Vol.23 nr 20 s.25588-25596

102.

Korzeb Karolina (ITME), Gajc Marcin (ITME), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)

Compendium of natural hyperbolic materials.

Vol.23 nr 20 s.25406-25424

103.

Sadecka Katarzyna (ITME), Toudert J. (Laser Processing Group, Instituto de Optica, CSIC, Madrid, Spain), Surma Barbara (ITME), Pawlak Dorota (ITME) (Laser Processing Group, Instituto de Optica, CSIC, Madrid, Spain; Centre of New Technologies, University of Warsaw, Poland)

Temperature and atmosphere tunability of the nanoplasmonic resonance of a volumetric eutectic-based $\text{Bi}_2\text{O}_3\text{-Ag}$ metamaterial.

Vol.23 nr 15 s.19098-19111

104.

Sobon G. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Sotor J. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland)

260 fs and 1 nJ pulse generation from a compact, mode-locked Tm-doped fiber laser.

Vol.23 nr 24 s.31446-31451

105.

Soboń G. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Sotor J. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland)

All-polarization maintaining, graphene-based femtosecond Tm-doped all-fiber laser.

Vol.23 nr 7 s.9339-9346

106.

Sotor J. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Sobon G. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland)

Sub-90 fs a stretched-pulse mode-locked fiber laser based on a graphene saturable absorber.

Vol.23 nr 21 s.27503-27508

107.

Van Erps J. (Vrije Universiteit Brussel Photonics Team (B-PHOT), Department of Applied Physics and Photonics, Brussel, Belgium), Ciuk Tymoteusz (ITME), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Van Put S. (Centre for Microsystems Technology (CMST), imec and Ghent University, Technologiepark, Gent, Belgium), Van Steenberge G. (Centre for Microsystems Technology (CMST), imec and Ghent University, Technologiepark, Gent, Belgium), Baert K. (Vrije Universiteit Brussel, Research Group Electrochemical and Surface Engineering, Belgium), Terryn H. (Vrije Universiteit Brussel, Research Group Electrochemical and Surface Engineering, Belgium), Thienpont H. (Vrije Universiteit Brussel Photonics Team (B-PHOT), Department of Applied Physics and Photonics, Brussel, Belgium), Vermeulen N. (Vrije Universiteit Brussel Photonics Team (B-PHOT), Department of Applied Physics and Photonics, Brussel, Belgium)

Laser ablation- and plasma etching-based patterning of graphene on silicon-on-insulator waveguides.

Vol.23 nr 20 s.26639-26650

108.

Filipkowski Adam (ITME), Piechal Bernard (ITME), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Waddie A. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Scottish Universities Physics Alliance, Edinburgh, UK), Taghizadeh M.R. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Scottish Universities Physics Alliance, Edinburgh, UK), Buczyński Ryszard (ITME) (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Scottish Universities Physics Alliance, Edinburgh, UK)

Nanostructured gradient index microaxicons made by a modified stack and draw method.

Vol.40 nr 22 s.5200-5203

Photonics Research

109.

Bogusławski J. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Sotor J. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Sobon G. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Koziński Rafał (ITME), Librant Krzysztof (ITME), Aksienionek Magdalena (ITME), Lipińska Ludwika (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland)

Graphene oxide paper as a saturable absorber for Er- and Tm-doped fiber lasers.

Vol.3 nr 4 s.119-124

Physical Review B (JCR)

110.

Kierdaszuk J. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Kaźmierczak P. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Korona K. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Warszawa, Poland; Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Wymolek A. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Pakuła K. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Zytkeiwicz Z.R. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland)

Enhanced Raman scattering and weak localization in graphene deposited on GaN nanowires.

Vol.92 s.195403-1-10

111.

Mukhopadhyay S. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Kramer S. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Mayaffre H. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Legg H.F. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Orlita M. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Berthier C. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Horvatić M. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Martinez G. (Laboratoire National des Champs Magnetiques Intenses, Grenoble,

France), Potemski M. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Piot B.A. (Laboratoire National des Champs Magnetiques Intenses, Grenoble, France), Materna Andrzej (ITME), Strzelecka Stanisława (ITME), Hruban Andrzej (ITME)
Hyperfine coupling and spin polarization in the bulk of the topological insulator Bi_2Se_3 .
Vol.91 s.081105-1-5

112.

van den Berg J.J. (Physics of Nanodevices, Zernike Institute for Advanced Materials, University of Groningen, Netherlands), Strupiński Włodzimierz (ITME), van Wees B.J. (Physics of Nanodevices, Zernike Institute for Advanced Materials, University of Groningen, Netherlands)

Observation of anomalous Hanle spin precession line shapes resulting from interaction with localized states.

Vol.91 s.081403-1-5

Physical Review Letters (JCR)

113.

Gorfman S. (Department of Physics, University of Siegen, Siegen, Germany), Choe H. (Department of Physics, University of Siegen, Siegen, Germany), Shvartsman V.V. (Institute of Materials Science, University of Duisburg-Essen, Essen, Germany), Ziolkowski M. (Department of Physics, University of Siegen, Siegen, Germany), Vogt M. (Department of Physics, University of Siegen, Siegen, Germany), Stempfer J. (Deutsches Elektronen-Synchrotron DESY, Hamburg, Germany), Łukasiewicz Tadeusz (ITME), Pietsch U. (Department of Physics, University of Siegen, Siegen, Germany), Dec J. (Institute of Materials Science, University of Silesia, Katowice, Poland)

Time-resolved X-ray diffraction reveals the hidden mechanism of high piezoelectric activity in a uniaxial ferroelectric.

Vol.114 s.097601-1-5

PLOS ONE (JCR)

114.

Strojny B. (Division of Nanobiotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Kurnatowicz N. (Division of Nanobiotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Sawosz E. (Division of Nanobiotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Grodzik M. (Division of Nanobiotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Jaworski S. (Division of Nanobiotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Kutwin M. (Division of Nanobiotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Wierzbicki M. (Division of Nanobiotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Hotowy A. (Division of Nanobiotechnology, Warsaw University of Life Sciences, Warszawa, Poland), Lipińska Ludwika (ITME), Chwalibog A. (Department of Veterinary Clinical and Animal Sciences, University of Copenhagen, Copenhagen, Denmark)

Long term influence of carbon nanoparticles on health and liver status in rats. DOI: 10.1371/journal.pone.0144821

Polish Journal of Chemical Technology (JCR)

115.

Pietrzak Katarzyna (ITME), Olesińska Wiesława (ITME), Strąk Cezary (ITME), Siedlec Robert (ITME), Gładki Andrzej (ITME)

Morphology and properties of the graphene layer on the copper substrate.

Vol.17 nr 4 s.104-108

Postępy Fizyki

116.

Racka-Szmidt Katarzyna (ITME), Tymicki Emil (ITME)

To, co o węgliku krzemu wiedzieć warto.

przyjęto do druku

Przegląd Elektrotechniczny

117.

Barmuta P. (Faculty of Electronics and Information Technology, Warsaw University of Technology; Department of Electrical Engineering, KU Leuven, Belgium), Lewadnowski A. (Faculty of Electronics and Information Technology, Warsaw University of Technology), Łukasik K. (Faculty of Electronics and Information Technology, Warsaw University of Technology), Schreurs D. (Department of Electrical Engineering, KU Leuven, Belgium), Dobrzański Lech (ITME)

Small-signal microwave measurements and modeling of GaN FET devices manufactured by ITME.nr 9 s.9-12

118.

Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Lipińska Ludwika (ITME), Krzyżak Konrad (ITME), Dąbrowski Andrzej (ITME), Sobczak Grzegorz (ITME), Kozłowska Anna (ITME), Matkowski P. (Wydział Elektroniki, Mikrosystemów i Fotoniki, Politechnika Wrocławska), Młodziak Anna (ITME), Małąg Andrzej (ITME)

Zastosowanie tlenku grafenu i grafenu w technologii diod laserowych.

Vol.91 nr 9 s.1-4

Rocznik Towarzystwa Naukowego Warszawskiego

119.

Pajączkowska Anna (ITME)

Jan Czochralski - Jego droga do sławy.

Vol.LXXVII s.9-15

RSC Advances (JCR)

120.

Bajorowicz B. (Department of Environmental Technology, Faculty of Chemistry, University of Gdansk, Poland), Reszczyńska J. (Department of Environmental Technology, Faculty of Chemistry, University of Gdansk, Poland), Lisowski W. (Mazovia Center for Surface Analysis, Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Klimczuk T. (Department of Solid State Physics, Faculty of Applied Physics and Mathematics, Gdansk University of Technology, Poland), Winiarski M. (Department of Solid State Physics, Faculty of Applied Physics and Mathematics, Gdansk University of Technology, Poland), Słoma Marcin (ITME) (Department of Microtechnology and Nanotechnology, Faculty of Mechatronics, Warsaw University of Technology, Warsaw,

Poland), Zalewska-Medyńska A. (Department of Environmental Technology, Faculty of Chemistry, University of Gdansk, Poland)

Perovskite-type KTaO_3 -reduced graphene oxide hybrid with improved visible light photocatalytic activity.

Vol.5 s.91315-91325

Science of Sintering (JCR)

121.

Strojny-Nędzia Agata (ITME), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warszawa, Poland), Węglewski W. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warszawa, Poland)

The influence of electrocorundum granulation on the properties of sintering Cu/electrocorundum composites.

Vol.47 s.249-258

Scientific Reports (JCR)

122.

Melios C. (National Physical Laboratory, Teddington, United Kingdom; Advanced Technology Institute, University of Surrey, Guildford, UK), Panchal V. (National Physical Laboratory, Teddington, United Kingdom), Giusca E. (National Physical Laboratory, Teddington, United Kingdom), Strupiński Włodzimierz (ITME), Silva S.R.P. (Advanced Technology Institute, University of Surrey, Guildford, UK), Kazakova O. (Advanced Technology Institute, University of Surrey, Guildford, UK)

Carrier type inversion in quasi-free standing graphene: studies of local electronic and structural properties.

Vol.5 s.1-8

Soldering & Surface Mount Technology (JCR)

123.

Arażna A. (Tele and Radio Research Institute, Warszawa, Poland), Jakubowska Małgorzata (Department of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Dybowska-Sarapuk Łucja (ITME)

Investigation of treated PEN foil surface properties inkjet application.

Vol.27 nr 3 s.108-111

124.

Futera K. (Tele and Radio Research Institute, Warszawa, Poland; Faculty of Mechatronics, Warsaw University of Technology, Poland), Kielbasiński Konrad (ITME), Młodziak Anna (ITME), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Poland)

Inkjet printed microwave circuits on flexible substrates using heterophase graphene based inks.

Vol.27 nr 3 s.112-114

125.

Janeczek K. (Tele & Radio Research Institute, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warszawa, Poland), Koziół G. (Tele & Radio Research Institute, Warszawa, Poland), Młodziak Anna (ITME)

Electrical and mechanical properties of RFID chip joints assembled on flexible substrate.

Vol.27 nr 1 s.13-21

Technologia i Automatyzacja Montażu

126.

Bakoń Andrzej (ITME), Barylski A. (Wydział Mechaniczny, Politechnika Gdańska)

Modułowe narzędzia ściernie. Diamentowe piły linowe - budowa i zastosowania.

Nr 2 s.18-22

Thin Solid Films (JCR)

127.

Król K. (Institute of Micro- and Optoelectronics Warsaw University of Technology, Warszawa, Poland; Tele- and Radio Research Institute, Warszawa, Poland), Sochacki M. (Institute of Micro- and Optoelectronics Warsaw University of Technology, Warszawa, Poland), Strupiński Włodzimierz (ITME), Racka Katarzyna (ITME), Guzewicz M. (Institute of Electron Technology, Warszawa, Poland), Konarski P. (Tele- and Radio Research Institute, Warszawa, Poland), Misnik M. (Tele- and Radio Research Institute, Warszawa, Poland), Szmidt J. (Institute of Micro- and Optoelectronics Warsaw University of Technology, Warszawa, Poland)

Chlorine-enhanced thermal oxides growth and significant trap density reduction at SiO/SiC interface by incorporation of phosphorus.

Vol.591 s.86-89

Tribologia

128.

Zasińska K. (Politechnika Gdańska, Wydział Mechaniczny, Katedra Inżynierii Materiałowej i Spajania, Gdańsk), Piątkowska Anna (ITME)

Ocena zużycia ściernego stopu $Ti_{13}Nb_{13}Zr$ implantowanego jonami azotu, przeznaczonego na elementy trące w endoprotezach ortopedycznych.

Vol.46 nr 6 s.175-186

X-ray Spectrometry (JCR)

129.

Mazur Krystyna (ITME), Wieteska K. (National Centre for Nuclear Research, Otwock, Poland), Wierzchowski Wojciech (ITME), Sarnecki Jerzy (ITME), Lipiński Dariusz (ITME), Brzozowski Andrzej (ITME), Paulmann C. (HASYLAB at DESY, Hamburg, Germany)

High-resolution x-ray diffractometric, topographic and reflectometric studies of epitaxial layers on porous silicon destined for exfoliation.s.363-370

130.

Wierzbicka Edyta (ITME), Malinowska Agnieszka (ITME), Wieteska K. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Wierzchowski Wojciech (ITME), Lefeld-Sosnowska M. (Institute of Experimental Physics, University of Warsaw, Poland), Świrkowicz Marek (ITME), Łukasiewicz Tadeusz (ITME), Paulmann C. (HASYLAB at DESY, Hamburg, Germany)

Characterization of crystal lattice defects in calcium molybdate single crystals ($CaMoO_4$) by means of X-ray diffraction topography.

Vol.44 s.351-355

131.

Wierzchowski Wojciech (ITME), Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Wieteska K. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Stonert A. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Jóźwik Przemysław (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Wilhelm R. (Forschungszentrum Dresden-Rossendorf, Dresden, Germany), Akhmadaliev S. (Forschungszentrum Dresden-Rossendorf, Dresden, Germany), Mazur Krystyna (ITME), Paulmann C. (HASYLAB at DESY, Hamburg, Germany)

Ion implantation of the 4H-SiC epitaxial layers and substrates with 2MeV Se⁺ and 1MeV Al⁺ ions.

Vol.44 s.371-378

132.

Wierzchowski Wojciech (ITME), Wieteska K. (National Centre for Nuclear Research, Otwock, Poland), Malinowska Agnieszka (ITME), Wierzbicka Edyta (ITME), Romaniec Magdalena (ITME), Lefeld-Sosnowska M. (Institute of Experimental Physics, University of Warsaw, Poland), Świrkowicz Marek (ITME), Łukasiewicz Tadeusz (ITME), Sakowska Halina (ITME), Paulmann C. (HASYLAB at DESY, Hamburg, Germany)

"Ghost" segregation pattern and ferroelectric domains in mixed calcium-strontium-barium niobates.

Vol.44 s.356-362

III. REFERATY, KOMUNIKATY, PLAKATY/POSTERY OPUBLIKOWANE, WYGŁOSZONE, ZGŁOSZONE NA KONFERENCJACH, SEMINARIACH, SYMPOZJACH MIĘDZYNARODOWYCH, ZAGRANICZNYCH I KRAJOWYCH

1.

Graphene 2015, Bilbao, Spain, 2015.03.10-2015.03.13

Ciepielewski Paweł (ITME), Dudyński M. (MTF and Institute for Theoretical Physics, Warsaw University, Warsaw, Poland), Kowalski G. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Tokarczyk M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Jóźwik Iwona (ITME), Gebarowski P. (Institute of Ceramics and Building Materials, Warsaw, Poland)

Graphene structures obtained from biomass.

Abstract. 1 s., il., bibliogr.

2.

Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Kaźmierczak P. (Faculty of Physics, University of Warsaw, Poland), Karpierz E. (Faculty of Physics, University of Warsaw, Poland; Faculty of Chemistry, Warsaw University of Technology, Warsaw, Poland), Bożek R. (Faculty of Physics, University of Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Poland; Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Strupiński Włodzimierz (ITME)

Electron scattering in graphene with NaCl nanoparticles adsorbed.
Abstract. 1 s., il.

3.

Kierdaszuk J. (Faculty of Physics, University of Warsaw, Poland), Kaźmierczak P. (Faculty of Physics, University of Warsaw, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Korona K. (Faculty of Physics, University of Warsaw, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Pakuła K. (Faculty of Physics, University of Warsaw, Poland), Żytkiewicz Z.R. (Faculty of Physics, University of Warsaw, Poland)

Large enhancement of Raman spectra in graphene deposited on GaN nanowires.
Abstract. 1 s., il.

4.

Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Paternak Iwona (ITME), Gutierrez A. (Departamento de Fisica Aplicada, Instituto de Ciencia de Materiales Nicolas Cabrera Universidad Autonoma de Madrid, Spain), Munera C. (Instituto de Ciencia de Materiales de Madrid, Consejo Superior de Investigaciones Cientificas, Cantoblanco, Madrid, Spain), Hernandez M.G. (Instituto de Ciencia de Materiales de Madrid, Consejo Superior de Investigaciones Cientificas, Cantoblanco, Madrid, Spain), Martin-Gago J.A. (Instituto de Ciencia de Materiales de Madrid, Consejo Superior de Investigaciones Cientificas, Cantoblanco, Madrid, Spain), Strupiński Włodzimierz (ITME)

CVD graphene's doping with Au nanoparticles.
Abstract. 1 s., il.

5.

Pasternak Iwona (ITME), Lukosius M. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Yamamoto Y. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Lupina G. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Strupiński Włodzimierz (ITME)

Optimized graphene growth on Ge(100)/Si(100) substrates.
Abstract. 1 s., bibliogr.

6.

Rogala M. (Department of Solid State Physics, Faculty of Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Własny I. (Department of Solid State Physics, Faculty of Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Dąbrowski Paweł (ITME), Kowalczyk P.J. (Department of Solid State Physics, Faculty of Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Busiakiewicz A. (Department of Solid State Physics, Faculty of Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Kozłowski W. (Department of Solid State Physics, Faculty of Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Aksienionek Magdalena (ITME), Strupiński Włodzimierz (ITME), Krajewska Aleksandra (ITME), Sieradzki Z. (Electrotechnological Company QWERTY Ltd., Łódź, Poland), Krucińska I. (Faculty of Material Technologies and Textile Design, Lodz University of Technology, Poland),

Puchalski M. (Faculty of Material Technologies and Textile Design, Lodz University of Technology, Poland), Skrzetuska E. (Faculty of Material Technologies and Textile Design, Lodz University of Technology, Poland), Klusek Z. (Faculty of Material Technologies and Textile Design, Lodz University of Technology, Poland)

The graphene oxide-based inkjet technology for flexible electronics.

Abstract. 1 s., il.

7.

XLVII Ogólnopolskie Kolokwium Katalityczne, Kraków, Polska, 2015.03.16-2015.03.18

Kusiak-Nejman E. (West Pomeranian University of Technology, Szczecin, Institute of Chemical and Environment Engineering, Szczecin, Poland), Wanag A. (West Pomeranian University of Technology, Szczecin, Institute of Chemical and Environment Engineering, Szczecin, Poland), Kapica-Kozar J. (West Pomeranian University of Technology, Szczecin, Institute of Chemical and Environment Engineering, Szczecin, Poland), Kowalczyk Ł. (West Pomeranian University of Technology, Szczecin, Institute of Chemical and Environment Engineering, Szczecin, Poland), Wróbel R.J. (West Pomeranian University of Technology, Szczecin, Institute of Chemical and Environment Engineering, Szczecin, Poland), Aksienionek Magdalena (ITME), Ostrowska Justyna (ITME), Lipińska Ludwika (ITME), Morawski A.W. (West Pomeranian University of Technology, Szczecin, Institute of Chemical and Environment Engineering, Szczecin, Poland)

Preparation and characterization of titanium dioxide-graphene nanocomposites.

Anstract. s.54, il., bibliogr.

8.

Interdisciplinary FNP Conference, Warszawa, Poland, 2015.04.09-2015.04.10

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Pawlak Dorota (ITME)

Novel hybrid materials for photonics manufactured by crystal growth methods.

Abstract. 1 s., il., bibliogr.

9.

Micro-structured and Speciatly Optical Fibers IV, Prague, Czech Republic, 2015.04.13-2015.04.16

Buczyński Ryszard (ITME) (Institute of Physics, University of Warsaw, Poland), Klimczak Mariusz (ITME), Pysz Dariusz (ITME), Stępniewski Grzegorz (ITME) (Institute of Physics, University of Warsaw, Poland), Siwicki Bartłomiej (ITME) (Institute of Physics, University of Warsaw, Poland), Cimek Jarosław (ITME) (Institute of Physics, University of Warsaw, Poland), Kujawa Ireneusz (ITME), Piechal Bernard (ITME), Stępień Ryszard (ITME)

Soft glass photonic fibers and their applications.

Proc. SPIE. Vol.9507, s.95070G-1-7, il., bibliogr.

10.

SPIE Europe Optics & Optoelectronics, Prague, Czech Republic, 2015.04.13-2015.04.16

Belardini A. (Sapienza Universita di Roma, Italy), Leahu G. (Sapienza Universita di Roma, Italy), Centini M. (Sapienza Universita di Roma, Italy), Benedetti A. (Sapienza Universita di Roma, Italy), Petronijevic E. (Sapienza Universita di Roma, Italy), Fazio E. (Sapienza Universita di Roma, Italy), Sibilica C. (Sapienza Universita di Roma, Italy), Osewski Pawel (ITME), Pawlak Dorota (ITME)

Second harmonic generation from self-organized ZnO-ZnWO₄ eutectic composite.

Anstract. 2 s., bibliogr.

11.

Konwersatorium na Wydziale Fizyki UW, Warszawa, Polska, 2015.04.21-2015.04.21

Dudyński M. (Modern Technologie & Filtration; Instytut Fizyki Teoretycznej, Wydział Fizyki UW), Ciepielewski Paweł (ITME)

Struktury grafenowe w węglach organicznych.

12.

III Łódzkie Sympozjum Doktorantów Chemii, Łódź, Polska, 2015.04.27-2015.04.28

Wanag A. (West Pomeranian University of Technology, Szczecin, Poland), Kusiak-Nejman E. (West Pomeranian University of Technology, Szczecin, Poland), Kowalczyk Ł. (West Pomeranian University of Technology, Szczecin, Poland), Kapica-Kozar J. (West Pomeranian University of Technology, Szczecin, Poland), Aksienionek Magdalena (ITME), Ostrowska Justyna (ITME), Lipińska Ludwika (ITME), Morawski A.W. (West Pomeranian University of Technology, Szczecin, Poland)

Studies on TiO₂ modified with reduced graphene oxide.

Materiały konferencyjne. s. 120 (P-62), il.

13.

4th European Young Engineers Conference 2015, Warszawa, Poland, 2015.04.27-2015.04.29

Jakubowska J. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Strojny-Nędza Agata (ITME), Napłocha K. (Wrocław University of Technology, Wrocław, Poland), Basista M. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Pietrzak Katarzyna (ITME)

Manufacturing and characteristics of Al₂O₃-Al functionally graded materials for brake disc application.

Abstract. s.382

14.

XXXVth WILGA Symposium in International Year of Light 2015, Wilga, Poland, 2015.05.24-2015.05.31

Dybowska-Sarapuk Łucja (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Janczak D. (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Wróblewski G. (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Słoma Marcin (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland)

The influence of graphene screen printing pastes composition on its viscosity.

Proc.SPIE 9662, Photonics in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2015, 966242

15.

Krzemiński J. (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Kiełbasiński Konrad (ITME), Szałapak Jerzy (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Młodziak Anna (ITME), Zwierkowska Elżbieta (ITME)

Deposition of silver layer on different substrates.

Proc.SPIE 9662, Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2015, 966241

16.

VCSEL Day 2015, Łódź, Polska, 2015.05.29

Wesołowski Marek (ITME), Strupiński Włodzimierz (ITME)

MOCVD growth monitoring and calibration for VCSEL structures.

Book of Abstracts. 1 s.

17.

Badania i rozwój młodych naukowców w Polsce 2015, Poznań, Polska, 2015.06.08

Kusiak-Nejman E. (West Pomeranian University of Technology, Szczecin, Poland), Wanag A. (West Pomeranian University of Technology, Szczecin, Poland), Kapica-Kozar J. (West Pomeranian University of Technology, Szczecin, Poland), Aksienionek Magdalena (ITME), Ostrowska Justyna (ITME), Lipińska Ludwika (ITME)

Application of TiO₂ /graphene nanocomposites for water treatment.

Materiały konferencyjne. s.45

18.

Wanag A. (West Pomeranian University of Technology, Szczecin, Poland), Kusiak-Nejman E. (West Pomeranian University of Technology, Szczecin, Poland), Kapica-Kozar J. (West Pomeranian University of Technology, Szczecin, Poland), Aksienionek Magdalena (ITME), Ostrowska Justyna (ITME), Lipińska Ludwika (ITME), Morawski A.W. (West Pomeranian University of Technology, Szczecin, Poland)

Studies on photocatalytic activity of titanium dioxide decorated with reduced graphene oxide.

Materiały konferencyjne. s.85

19.

4th International Symposium on Enhanced Electrochemical Capacitors, Montpellier, France, 2015.06.08-2015.06.12

Wilamowska M. (Gdansk University of Technology, Chemical Faculty, Gdańsk, Poland), Dettlaff A. (Gdansk University of Technology, Chemical Faculty, Gdańsk, Poland), Kujawa M. (Faculty of Applied Physics and Mathematics, Gdańsk University of Technology, Gdańsk, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME), Lisowska-Oleksiak A. (Gdansk University of Technology, Chemical Faculty, Gdańsk, Poland)

Poly(3,4-ethylenedioxythiophene) as a matrix for different carbon materials- influence of the synthesis method on the electrochemical properties of the composites.

Materiały konferencyjne. s.127, il., bibliogr.

20.

Kujawa M. (Gdansk University of Technology, Faculty of Applied and Mathematics, Gdańsk, Poland), Wilamowska M. (Gdansk University of Technology, Chemical Faculty, Gdańsk, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME), Lisowska-Oleksiak A. (Gdansk University of Technology, Chemical Faculty, Gdańsk, Poland)

Electroactive polymer/graphene oxide nanostructured composites as electrodes for supercapacitors.

Materiały konferencyjne. s.105, il., bibliogr.

21.

XIV Krajowa Konferencja Elektroniki, Darłówko Wschodnie, Polska, 2015.06.08-2015.06.12

Baramuta P. (Wydział Elektroniki i Technik Informatycznych, Politechnika Warszawska),
Lewandowski A. (Wydział Elektroniki i Technik Informatycznych, Politechnika Warszawska),
Łukasik K. (Wydział Elektroniki i Technik Informatycznych, Politechnika Warszawska),
Dobrzański Lech (ITME)

Małosygnalowe pomiary tranzystora GaN HEMT wyprodukowanego w ITME.

22.

Caban Piotr (ITME), Kowalik Andrzej (ITME), Rudziński Mariusz (ITME), Podgórski
Jarosław (ITME), Lewandowski A., Strupiński Włodzimierz (ITME), Góra Krzysztof
(ITME), Jagoda Andrzej (ITME), Stańczyk Beata (ITME), Kozłowski Andrzej (ITME),
Przyborowska Krystyna (ITME)

Przyrządy typu HEMT z GaN/GaInGaN na pasmo X na podłożach szafirowych i
węgliku krzemu.

23.

Caban Piotr (ITME), Rudziński Mariusz (ITME), Strupiński Włodzimierz (ITME)

Wybrane zagadnienia epitaksji związków III-N - zastosowania w tranzystorach
HEMT.

Abstrakt. 2 s.

24.

Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Lipińska Ludwika (ITME),
Krzyżak Konrad (ITME), Dąbrowski Andrzej (ITME), Sobczak Grzegorz (ITME),
Kozłowska Anna (ITME), Małąg Andrzej (ITME), Matkowski P. (Politechnika Wrocławska,
Wydział Elektroniki i Fotoniki)

Zastosowanie tlenku grafenu i grafenu w technologii diod laserowych.

Abstrakt. 1 s.

25.

Jakubowska Małgorzata (ITME), Wróblewski G. (Politechnika Warszawska, Wydział
Mechatroniki, Instytut Metrologii i Inżynierii Biomedycznej, Warszawa)

Wielkopowierzchniowe elektrody transparentne.

Abstrakt. 1 s.

26.

Kiełbasiński Konrad (ITME), Jakubowska Małgorzata (ITME) (Wydział Mechatroniki,
Politechnika Warszawska), Janczak D. (Wydział Mechatroniki, Politechnika Warszawska),
Peplowski A. (Wydział Mechatroniki, Politechnika Warszawska), Wróblewski G. (Wydział
Mechatroniki, Politechnika Warszawska)

Elastyczne czujniki wytwarzane technikami drukarskimi do zastosowań w elektronice
osobistej.

Abstrakt. 1 s.

27.

Małąg Andrzej (ITME), Sobczak Grzegorz (ITME), Teodorczyk Marian (ITME), Dąbrowska
Elżbieta (ITME), Nakielska Magdalena (ITME)

Beam quality of high-power laser diodes: exemplary ways of improvement.
Abstrakt. 1 s., il., bibliogr.

28.

Rudziński Mariusz (ITME), Caban Piotr (ITME), Wesołowski Marek (ITME), Ciuk Tymoteusz (ITME), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Przewłoka Aleksandra (ITME), Kraśniewski J. (Wydział Elektroniki i Informatyki, Politechnika Koszalińska), Strupiński Włodzimierz (ITME)

Wybrane zagadnienia epitaksji związków III-N - zastosowania w diodach typu LED i G-LED.

Materiały konferencyjne. 2 s., bibliogr.

29.

Sobczak Grzegorz (ITME) (Wydział Fizyki, Politechnika Warszawska), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Krzyżak Konrad (ITME), Dąbrowski Andrzej (ITME), Małąg Andrzej (ITME)

Formowanie i stabilizacja rozkładu pola optycznego w płaszczyźnie złącza w diodach laserowych dużej mocy.

Abstrakt. 1 s., il., bibliogr.

30.

Szałapak Jerzy (ITME) (Wydział Mechatroniki, Politechnika Warszawska), Krzemiński J. (Wydział Mechatroniki, Politechnika Warszawska), Kiełbasiński Konrad (ITME), Jakubowska Małgorzata (ITME) (Wydział Mechatroniki, Politechnika Warszawska), Pawłowski R. (ABRAXAS, Wodzisław Śląski), Sobik P. (ABRAXAS, Wodzisław Śląski), Halama O. (ABRAXAS, Wodzisław Śląski), Nikiel W. (Helioenergia Sp.z o.o., Czerwionka Leszczyny)

Wieloskalowa technologia wytwarzania nanoproszku srebra.

Abstrakt. 1 s.

31.

Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME), Sobczak Grzegorz (ITME), Krzyżak Konrad (ITME), Podnieśński Dariusz (ITME), Małąg Andrzej (ITME)

Laserowe wygrzewanie warstw przewodzących na materiałach elektronicznych.

Abstrakt. 1 s.

32.

Annual Conference of the Nordic Microscopy Society, Jyvaskyla, Finland, 2015.06.09-2015.06.11

Andrzejczuk M. (Warsaw University of Technology, Faculty of Material Science and Engineering, Warszawa, Poland), Krawczyńska T. (Warsaw University of Technology, Faculty of Material Science and Engineering, Warszawa, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME), Hebert C. (Ecole Polytechnique Federale de Lausanne, EPFL, CIME, Lausanne, Switzerland), Lewandowska M. (Warsaw University of Technology, Faculty of Material Science and Engineering, Warszawa, Poland)

STEM characterization of surface modified $\text{Li}_4\text{Ti}_5\text{O}_{12}$ as an anode material for Li-ion batteries.

33.

Krawczyńska A.T. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Andrzejczuk M. (Faculty of Materials Science and Engineering,

Warsaw University of Technology, Poland), Lewandowska M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland)

STEM analysis of modified LiMn_2O_4 powder for application in lithium-ion batteries. Abstract. 1 s., bibliogr.

34.

22nd International Conference on Ion Beam Analysis, Opatija, Croatia, 2015.06.14-2015.06.19

Jagielski Jacek (ITME), Ostaszewska U. (Institute of Engineering of Polymer Materials & Dyes, Division of Elastomers & Rubber Technology, Piastów, Poland), Bieliński D. (Technical University of Lodz, Institute of Polymer & Dye Technology, Poland), Grambole D. (Institute of Ion Beam Physics and Materials Research, Helmholtz Zentrum Dresden, Rossendorf, Germany), Jóźwik Iwona (ITME)

Hydrogen release from irradiated elastomers measured by Nuclear Reaction Analysis. Abstract. 1 s.

35.

Jóźwik Iwona (ITME), Jagielski Jacek (ITME), Gawlik Grzegorz (ITME), Jóźwik Przemysław (ITME), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Panczer G (Institut Lumiere Matiere ILM, Universite Lyon, Villeurbanne Cedex, France), Moncoffre N. (Institut de Physique Nucleaire de Lyon IPNL, Universitate de Lyon, Villeurbanne Cedex, France), Wajler Anna (ITME), Sidorowicz Agata (ITME)

Comparative study of radiation-induced damage in magnesium aluminate spinel by means of IL, CL and RBS/C techniques.

Abstract. 1 s.

36.

44th "Jaszowiec" - International School & Conference on the Physics of Semiconductors, Wisła, Poland, 2015.06.20-2015.06.25

Hruban Andrzej (ITME), Materna Andrzej (ITME), Strzelecka Stanisława (ITME), Piersa Mirosław (ITME), Jurkiewicz-Wegner Elżbieta (ITME), Orłowski Waclaw (ITME), Dalecki Wojciech (ITME), Diduszko Ryszard (ITME), Wołoś A. (Faculty of Physics, University of Warsaw, Poland; Institute of Physics, Polish Academy of Sciences, Warszawa, Poland)

$\text{Bi}_2\text{Te}_2\text{Se}$ - topological insulator with high resistivity.

Abstract. 1 s., bibliogr.

37.

Korona K. (Faculty of Physics, University of Warsaw, Poland), Ziółkowska D.A. (Faculty of Physics, University of Warsaw, Poland), Drózd P.A. (Faculty of Physics, University of Warsaw, Poland; Institute of High Pressure Physics "Unipress", Polish Academy of Sciences, Warsaw, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME)

Diffusion and conductivity in lithium titanium oxide.

Materiały konferencyjne. s.231, ThP33, il., bibliogr.

38.

14th International Conference European Ceramic Society "ECERS", Toledo, Spain, 2015.06.21-2015.06.25

Librant Zdzisław (ITME), Wesołowski Władysław (ITME), Gizowska M. (Institute of Ceramics and Building Materials, Warsaw, Poland), Osuchowski M. (Institute of Ceramics and Building Materials, Warsaw, Poland), Perkowski K. (Institute of Ceramics and Building Materials, Warsaw, Poland), Witek A. (Institute of Ceramics and Building Materials, Warsaw, Poland), Witosławska I. (Institute of Ceramics and Building Materials, Warsaw, Poland), Boniecki Marek (ITME)

The thermal shock resistance of Y_2O_3 ceramics.

Abstract. 1 s.

39.

Sidorowicz Agata (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Olszyna A. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland)

Preparation and characterization of transparent thulium and holmium co-doped yttrium aluminum garnet ceramics (Tm,Ho:YAG) for lasers operating in "eye-safe" range.

40.

Strojny-Nędza Agata (ITME), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research, Polish Academy of Science, Warszawa, Poland), Zybala Rafał (ITME)

The effect of manufacturing technique on the densification and thermal properties of the Cu/Al₂O₃ composites.

41.

Wajler Anna (ITME), Zych Ł. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Kwapiszewska A. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Sidorowicz Agata (ITME)

Sintering studies of barium titanate ceramics shaped by pressure filtration and dry pressing of freeze-granulated powders.

Abstract. 1 s.

42.

Wajler Anna (ITME), Węglarz Helena (ITME), Podwórny J. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Zych Ł. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Sidorowicz Agata (ITME), Jach Katarzyna (ITME), Tomaszewski Henryk (ITME)

The effect of ammonium sulfate addition on the properties of yttria powders and on yttrium aluminium garnet (YAG) phase formation by solid-state reaction.

Abstract. 1 s.

43.

The Major European Scientific Event of the International Year of Light, Munich, Germany, 2015.06.21-2015.06.25

Belardini A. (Sapienza Università di Roma, Italy), Osewski Paweł (ITME), Petronijevic E. (Sapienza Università di Roma, Italy), Pawlak Dorota (ITME), Centini M. (Sapienza Università di Roma, Italy), Sibilica C. (Sapienza Università di Roma, Italy)

Second harmonic generation from eutectics ZnWO₄ single crystal.

Abstract. 1 s., il., bibliogr.

44.

Smart Engineering of New Materials SEMTHERM2015, Łódź, Poland, 2015.06.22-2015.06.25

Sochacki M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland), Król K. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland; Tele- and Radio Research Institute, Warsaw, Poland), Waśkiewicz M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland), Racka Katarzyna (ITME), Szmidt J. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland)

Interface traps in metal-insulator-semiconductor (MIS structures studied by the thermally-stimulated current (TSC) technique.

Abstract. 1 s., il., bibliogr.

45.

Graphene Week 2015/ 9th International Conference on the Fundamental Science of Graphene and Applications of Graphene-Based Devices, Manchester, United Kingdom, 2015.06.22-2015.06.26

Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Kaźmierczak P. (Faculty of Physics, University of Warsaw, Poland), Karpierz E. (Faculty of Physics, University of Warsaw, Poland; Faculty of Chemistry, Warsaw University of Technology, Warsaw, Poland), Bożek R. (Faculty of Physics, University of Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Poland; Institute of Physics, Polish Academy of Sciences, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Wyszomłok A. (Faculty of Physics, University of Warsaw, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Strupiński Włodzisław (ITME)

Electron scattering in graphene with NaCl nanoparticles adsorbed.

Abstract Book. s.343, il.

46.

Rogała M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Kowalczyk P.J. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Dąbrowski P. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Własny I. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Kozłowski W. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Busiakiewicz A. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Pawłowski S. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Dobiński G. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Smolny M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Karaduman I. (Department of Physics, Gazi University, Teknikokullar, Ankara, Turkey), Lipińska Ludwika (ITME), Koziński Rafał (ITME), Librant Krzysztof (ITME), Jagiełło Joanna (ITME), Baranowski Jacek (ITME), Szot K. (Peter Grunberg Institut & JARA-FIT, Forgeschunszentrum Julich, Germany), Klusek Z. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland)

Graphene based data storage: the role of water in resistive switching in graphene oxide.

Abstract Book. s.296, il.

47.

Grodecki Kacper (ITME), Ciepielewski Paweł (ITME), Ciuk Tymoteusz (ITME), Możdzonek Małgorzata (ITME), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME)

Observation of Si-H vibrations in hydrogenated graphene grown on SiC(0001) by Raman spectroscopy.

Abstract Book. s.267, il.

48.

Jagiello Joanna (ITME), Librant Krzysztof (ITME), Lipińska Ludwika (ITME), Sieradzki Z. (Electrotechnological Company QWERTY Ltd., Łódź, Poland), Rogala M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Własny I. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Dąbrowski P. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Krucińska I. (Department of Material and Commodity Sciences and Textile Metrology, Lodz University of Technology, Łódź, Poland), Puchalski M (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Skrzetuska E. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland), Klusek Z. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Łódź, Poland)

Optimization of the reduction of graphene oxide printed on polyester foil.

Abstract Book. s.438, bibliogr.

49.

Kowalczyk P.J. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Rogala M. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Własny I. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Dąbrowski P. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Busiakiewicz A. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Kozłowski W. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Lipińska Ludwika (ITME), Jagiello Joanna (ITME), Aksienionek Magdalena (ITME), Strupiński Włodzimierz (ITME), Krajewska Aleksandra (ITME), Sieradzki Z. (Electrotechnological Company QWERTY Ltd., Łódź, Poland), Karaduman I. (Department of Physics, Gazi University, Teknikokullar, Ankara, Turkey), Krucińska I. (Faculty of Material Technologies and Textile Design, Lodz University of Technology, Łódź, Poland), Puchalski M. (Faculty of Material Technologies and Textile Design, Lodz University of Technology, Łódź, Poland), Skrzetuska E. (Faculty of Material Technologies and Textile Design, Lodz University of Technology, Łódź, Poland), Klusek Z. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland)

The reduction of inkjet-printed graphene oxide: the final step for production of transparent and flexible electronics.

Abstract Book. s.439, il.

50.

Microtechnology and Thermal Problems in Electronics, Łódź, Poland, 2015.06.23-2015.06.25

Krzemiński J. (Warsaw University of Technology Faculty of Mechatronics, Warszawa, Poland), Kielbasiński Konrad (ITME), Szałapak Jerzy (ITME) (Warsaw University of Technology Faculty of Mechatronics, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology Faculty of Mechatronics, Warszawa, Poland), Młóżniak Anna (ITME), Zwierkowska Elżbieta (ITME), Teodorczyk Marian (ITME)

Electrical properties of silver nanoparticle layers made with spray coating technique. Official Proc. of Microtherm 2015, s. 266-270, il., bibliogr.

51.

VII Polish Conference on Nanotechnology, Poznań, Poland, 2015.06.24-2015.06.27

Michalska Monika (ITME), Ławniczek P. (Institute of Molecular Physics Polish Academy of Sciences, Poznań, Poland), Lipińska Ludwika (ITME), Andrzejewski B. (Institute of Molecular Physics Polish Academy of Sciences, Poznań, Poland)

Combustion synthesis of LiCoO_2 - structural and selected physical studies. Abstract. 1 s.

52.

Michalska Monika (ITME), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Hamankiewicz B. (Industrial Chemistry Research Institute, Warszawa, Poland), Andrzejczuk M. (Faculty of Materials Engineering, Warsaw University of Technology, Warszawa, Poland), Lipińska Ludwika (ITME), Czerwiński A. (Industrial Chemistry Research Institute, Warszawa, Poland; Faculty of Chemistry, University of Warsaw, Poland)

Surface modification of LiMn_2O_4 by metallic or ceramic oxides nanoparticles. Abstract. 1 s., bibliogr.

53.

IV Polska Konferencja Optyczna, Legnica, Polska, 2015.06.28-2015.07.02

Rojek Anna (ITME), Kowalik Andrzej (ITME), Wojnowski Dariusz (ITME)

Technologia wytwarzania kopii mikrostruktur optycznych w procesach nanoimprintu.

54.

Soboń G. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska, Wrocław), Sotor J. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska, Wrocław), Krzempek K. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska, Wrocław), Dudzik G. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska, Wrocław), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Abramski K.M. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska, Wrocław)

Generacja ultrakrótkich impulsów z laserów światłowodowych wykorzystujących grafen.

Abstrakt. 1 s., il.

55.

Wojnowski Dariusz (ITME), Kowalik Andrzej (ITME), Podgórski Jarosław (ITME), Rojek Anna (ITME), Rekuć Zbigniew (ITME), Góra Krzysztof (ITME)

Przekształcanie wiązki emitowanej przez laser krawędziowy w wiązkę skolimowaną o symetrycznym osiowo rozkładzie natężenia.

56.

Energy Materials Nanotechnology, Cancun, Mexico, 2015.06.29-2015.06.29

Kozłowska Anna (ITME), Gawlik Grzegorz (ITME), Piątkowska Anna (ITME), Szewczyk R. (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warsaw, Poland)

Graphene layer as surface transparent electrode, advantages and drawbacks.

Program & Abstract. s.1-2 (A02)

57.

25th International Travelling Summer School on Microwaves and Lightwaves,, Madrid, Spain, 2015.07.04-2015.07.10

Siwicki Bartłomiej (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Kasztelanik Rafał (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Klimczak Mariusz (ITME), Cimek Jarosław (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Extending bandwidth of coherent supercontinuum generated in all-solid photonic crystal fibers toward 3um.

58.

17th International Conference on Transparent Optical Networks, Budapest, Hungary, 2015.07.05-2015.07.09

Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Filipkowski Adam (ITME) (Institute of Photonics and Quantum Sciences, School Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Piechal Bernard (ITME), Pysz Dariusz (ITME), Klimczak Mariusz (ITME), Siwicki Bartłomiej (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Waddie A.J. (Institute of Photonics and Quantum Sciences, School Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Taghizadeh M.R. (Institute of Photonics and Quantum Sciences, School Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Stępień Ryszard (ITME)

Nanostructured gradient index microoptics.

Materiały konferencyjne. 4 s. (Tu.C4.1), il., bibliogr.

59.

PIERS 2015 - Progress in Electromagnetics Research Symposium, Prague, Czech Republic, 2015.07.06-2015.07.09

Pawlak Dorota (ITME), Gajc Marcin (ITME), Sadecka Katarzyna (ITME), Osewski Paweł (ITME), Kłos Andrzej (ITME), Petronijevic E. (Sapienza Universita di Roma, Italy), Belardini A. (Sapienza Universita di Roma, Italy), Leahu G. (Sapienza Universita di Roma, Italy), Sibilica C. (Sapienza Universita di Roma, Italy)

Crystal growth methods as a tool for manufacturing metamaterials and plasmonic materials.

60.

IX Polska Konferencja Chemii Analitycznej "Chemia analityczna to ciągle wyzwania", Poznań, Polska, 2015.07.06-2015.07.10

Zalewska Izabela (ITME), Karaś Agata (ITME), Sidorowicz Agata (ITME), Sokołowska Wanda (ITME)

Metody spektroskopowe (FAAS i ICP-OES) zastosowane do optymalizacji procesów technologicznych wytwarzania nanoproszków tlenku itru domieszkowanych tlenem (Tm:Y₂O₃).

61.

Materials Innovation Driven by Advanced Characterization, Tsukuba, Japan, 2015.07.14-2015.07.16

Andrzejczuk M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland), Lewandowska M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland)

3D characterization of surface modified LTO by STEM tomography.

Abstract. 1 s.

62.

The 5th International Workshop on Advanced Spectroscopy and Optical Materials, Gdańsk, Poland, 2015.07.19-2015.07.24

Drewniak A. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Drozdowski W. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Brylew K. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Wojtowicz A.J. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME)

Scintillation time profiles of mixed (Lu_x,Y_{1-x})AG:Pr and doubly doped LuAG:Pr,Mo scintillator crystals.

Abstract. 1 s., bibliogr.

63.

Kaczkan M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland), Turczyński Sebastian (ITME), Pawlak Dorota (ITME), Malinowski M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland)

Laser site-selective spectroscopy of Eu³⁺ ions doped Y₄Al₂O₉.

Book of abstracts.

64.

Nonlinear Optics (NLO), Kauai, USA, 2015.07.26-2015.07.31

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Klimczak Mariusz (ITME), Kasztelanic Rafał (ITME) (Faculty of Physics, University of Warsaw, Poland), Siwicki Bartłomiej (ITME) (Faculty of Physics, University of Warsaw, Poland), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Poland), Cimek Jarosław (ITME) (Faculty of Physics, University of Warsaw, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME)

Gradient index nanostructured core fiber: a new radical approach for dispersion management.

Abstract. 2 s., il., bibliogr.

65.

Klimczak Mariusz (ITME), Soboń G. (ITME) (Laser&Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Kasztelanic Rafał (ITME) (Faculty of Physics, University of Warsaw, Poland), Abramski K.M. (Laser&Fiber Electronics Group, Wrocław

University of Technology, Wrocław, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Real-time comparison of anomalous- and all-normal dispersion supercontinuum generated in soft-glass PCFs.

Abstract. 2 s., il., bibliogr.

66.

Sobon G. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Sotor J. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Krzempek K. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland)

Multilayer graphene-based saturable absorbers with scalable modulation depth for mode-locked fiber lasers.

Abstract. 2 s., il., bibliogr.

67.

Microscopy & Microanalysis, Portland, USA, 2015.08.01-2015.08.06

Jóźwik Iwona (ITME), Baranowski Jacek (ITME), Grodecki Kacper (ITME), Dąbrowski P. (Department of Solid States Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Strupiński Włodzimierz (ITME)

Conductivity contrast in SEM images of hydrogenated graphene grown on SiC.

Abstract. 2 s., il., bibliogr.

68.

Jóźwik Iwona (ITME), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Gawlik Grzegorz (ITME), Jóźwik Przemysław (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Panczer G. (Institut Lumiere Matiere ILM, Universite de Lyon, Villeurbanne, France), Monocoffre N. (Institut de Physique Nucleaire de Lyon IPNL, Universite de Lyon, Villeurbanne, France), Wajler Anna (ITME), Sidorowicz Agata (ITME)

Analysis of radiation damage in magnesium aluminate spinel by means of cathodoluminescence.

Abstract. 2 s., il.

69.

META 2015 - The 6th International Conference on Metamaterials, Photonic Crystal and Plasmonic, New York, USA, 2015.08.04-2015.08.07

Pawlak Dorota (ITME), Sadecka Katarzyna (ITME), Osewski Paweł (ITME), Gajc Marcin (ITME), Korzeb Karolina (ITME), Kłos Andrzej (ITME), Petronijevic E. (Sapienza Universita di Roma, Italy), Belardini A. (Sapienza Universita di Roma, Italy), Leahu G. (Sapienza Universita di Roma, Italy), Sibia C. (Sapienza Universita di Roma, Italy)

Plasmonic/metamaterials and crystal growth at the crossroads.

70.

Sadecka Katarzyna (ITME), Toudert J. (Laser Processing Group-Instituto de Optica, Madrid, Spain), Gajc Marcin (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)

Metallo-dielectric eutectic composite for plasmonic applications.
Abstract. 2 s., bibliogr.

71.

The European Conference on Lasers and Electro-Optics and the European Quantum Electronics Conference, Munich, Germany, 2015.08.04-2015.08.07

Siwicki Bartłomiej (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kasztelan Rafal (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Klimczak Mariusz (ITME), Cimek Jaroslaw (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Extending of flattened all-normal dispersion wavelength range in all-solid soft-glass photonic crystal fiber.

Abstract. 1 s., il., bibliogr.

72.

24th Annual International Laser Physics Workshop LPHYS'15, Szanghaj, Chiny, 2015.08.21-2015.08.25

Klimczak Mariusz (ITME), Soboń G. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Kasztelan Rafal (ITME) (Faculty of Physics, University of Warsaw, Poland), Abramski K.M. (Laser & Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Real-time shot noise measurements in sub-picosecond pumped supercontinuum in anomalous and all-normal dispersion regimes.

Abstract. 1 s., il., bibliogr.

73.

Central and Eastern European Committee for Thermal Analysis and Calorimetry, Lublana, Słowenia, 2015.08.25-2015.08.28

Orliński Krzysztof (ITME), Pawlak Dorota (ITME)

Influence of chromium substitution on Neel transition and thermal expansion in $GdFe_{1-x}Cr_xO_3$ mixed oxides.

74.

27th European Conference on Biomaterials, Kraków, Poland, 2015.08.30-2015.09.03

Sekula M. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Kraków, Poland; Malopolska Centre of Biotechnology, Jagiellonian University, Kraków, Poland), Baran Magdalena (ITME), Kmiotek K. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Kraków, Poland), Jagiełło Joanna (ITME), Karnas E. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Kraków, Poland), Madeja Z. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Kraków, Poland), Lipińska Ludwika (ITME), Zuba-Surma E. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Kraków, Poland)

New concept of stem cells differentiation - graphene-based substrate as a promising tool in biomedical applications.

Abstract. 1 s.

75.

Spatiotemporal complexity in nonlinear optics, Como, Italy, 2015.08.30-2015.09.05

Klimczak Mariusz (ITME), Soboń G. (Laser&Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Kasztelan Rafal (ITME) (Faculty of Physics, University of Warsaw, Poland), Abramski K.M. (Laser&Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Direct seeding of Raman-scattering dominated, all-normal dispersion supercontinuum.
Abstract. 1s., il., bibliogr.

76.

1st World Congress on Electroporation and Pulsed Electric Fields in Biology, Portorož, Slovenia, 2015.09.06-2015.09.10

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Kulbacka J. (Department of Medical Biochemistry, Medical University, Wrocław, Poland), Saczko J. (Department of Medical Biochemistry, Medical University, Wrocław, Poland), Pysz Dariusz (ITME), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Poland), Dubińska-Magiera M. (Department of General Zoology, Zoological Institute, University of Wrocław, Poland), Piechal Bernard (ITME), Kotulska M. (Institute of Biomedical Engineering and Instrumentation, Wrocław University of Technology, Poland)

Study of electroporation conditions of arbitrary selected single cell with ultrathin fiber microprobe.

Abstract. 1 s.

77.

The 6th International Conference on Advanced Electromagnetic Materials in Microwaves and Optics, Oxford, Anglia, 2015.09.07-2015.09.10

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Surma Barbara (ITME), Toudert J. (Laser Processing Group, Instituto de Optica, CSIC, Madrid, Spain), Pawlak Dorota (ITME)

Metallodielectric eutectic nanoparticle based composite material for plasmonics.
Abstract. 3 s., il., bibliogr.

78.

4th TERMIS World Congress, Boston, Poland, 2015.09.08-2015.09.11

Kalaszczyńska I. (Department of Histology and Embriology, Centre for Preclinical Research and Technology, Medical University of Warsaw, Poland), Zdrojek M. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Wróblewska A. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Judek J. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Rumiński S. (Department of Histology and Embriology, Centre for Preclinical Research and Technology, Medical University of Warsaw, Poland), Baran Magdalena (ITME), Lipińska Ludwika (ITME), Lewandowska-Szumieł M. (Department of Histology and Embriology, Centre for Preclinical Research and Technology, Medical University of Warsaw, Poland)

Graphene oxide reduction as a results of cells activity.
Abstract. 1 s.

79.

International Conference on Charge Transfer and Transport at the Nanoscale, Santiago de Compostela, Spain, 2015.09.13-2015.09.15

Korona K. (University of Warsaw, Poland), Ziółkowska D. (University of Warsaw, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME)

Charge transport in nanocrystalline lithium titanium oxide doped with Ag.

Abstract. 1 s.

80.

Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Grankowska S. (Faculty of Physics, University of Warsaw, Poland), Hamankiewicz B. (Faculty of Chemistry, University of Warsaw, Poland), Krajewski M. (Faculty of Chemistry, University of Warsaw, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland), Korona K. (Faculty of Physics, University of Warsaw, Poland)

Raman mapping as a powerful tool for the structural characterization of charged/discharged electrodes used in Li-ion batteries.

Abstract. 1 s.

81.

32nd World Veterinary Congress, Istanbul, Turkey, 2015.09.13-2015.09.17

Jackowska-Tracz A. (Warsaw University of Life Sciences SGGW, Faculty of Veterinary Medicine, Department of Food Hygiene and Public Health, Warszawa, Poland), Tracz M. (Warsaw University of Life Sciences SGGW, Faculty of Veterinary Medicine, Department of Food Hygiene and Public Health, Warszawa, Poland), Lipińska Ludwika (ITME), Zarzyńska J. (Warsaw University of Life Sciences SGGW, Faculty of Veterinary Medicine, Department of Food Hygiene and Public Health, Warszawa, Poland), Puchalska M. (Warsaw University of Life Sciences SGGW, Faculty of Veterinary Medicine, Department of Food Hygiene and Public Health, Warszawa, Poland), Anusz K. (Warsaw University of Life Sciences SGGW, Faculty of Veterinary Medicine, Department of Food Hygiene and Public Health, Warszawa, Poland)

Evaluation of antibacterial activity of graphene, graphene oxide and reduced graphene oxide in food-borne pathogenic bacteria.

Abstract Book. s.135

82.

17th Conference on II-VI Semiconductor, Paryż, Francja, 2015.09.13-2015.09.18

Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock, Poland), Guziejewicz E. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Singurenko D. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Witkowski B.S. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Diduszko Ryszard (ITME), Stonert A. (National Centre for Nuclear Research, Otwock, Poland), Behar M. (Instituto de Fisica, Universidade do Rio Grande, Porto Alegre, Brasil)

Quasiamorphous ZnO epitaxial layers produced by the ALD technique.

Abstract. 1 s., bibliogr.

83.

7th International Workshop on Novel Developments and Applications in Sensor and Actuator Technology, Coburg, Germany, 2015.09.16-2015.09.17

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland; Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warszawa, Poland)

Specialty fibers and microoptical components for sensors.
Abstract. 1 s.

84.

Powierzchnia i Struktury Cienkowarstwowe - Seminarium, Szklarska Poręba, Poland, 2015.09.16-2015.09.18

Dumiszewska Ewa (ITME), Grodecki Kacper (ITME), Józwik Iwona (ITME), Gaca Jarosław (ITME), Gaca Jarosław (ITME), Wójcik Marek (ITME), Ciuk Tymoteusz (ITME), Strupiński Włodzimierz (ITME)

InP nanowires for photovoltaic applications.

85.

2nd EOS Topical Meeting on Optics and Nanoscale, Capri, Włochy, 2015.09.17-2015.09.19

Pawlak Dorota (ITME) (Centre of New Technologies (CeNT), University of Warsaw, Warszawa, Poland), Sadecka Katarzyna (ITME), Osewski Paweł (ITME), Gajc Marcin (ITME), Kłos Andrzej (ITME), Petronijevic E. (Dipartimento di Scienze di Base e Applicate per l'Ingegneria - Sapienza Universita di Roma, Roma, Italy), Belardini A. (Dipartimento di Scienze di Base e Applicate per l'Ingegneria - Sapienza Universita di Roma, Roma, Italy), Leahu G. (Dipartimento di Scienze di Base e Applicate per l'Ingegneria - Sapienza Universita di Roma, Roma, Italy), Sibilia C. (Dipartimento di Scienze di Base e Applicate per l'Ingegneria - Sapienza Universita di Roma, Roma, Italy)

Plasmonic materials and metamaterials manufactured by crystal growth methods.

86.

X Konferencja Polskiego Towarzystwa Ceramicznego, Zakopane, Polska, 2015.09.17-2015.09.20

Jach Katarzyna (ITME)

Analiza właściwości optycznych warstw TiO_2 otrzymanych metodą chemicznego osadzania z fazy gazowej.

Abstrakt. 1 s.

87.

Nakielska Magdalena (ITME), Sidorowicz Agata (ITME) (Wydział Inżynierii Materiałowej, Politechnika Warszawska), Wajler Anna (ITME), Węglarz Helena (ITME)

Badania właściwości optycznych ceramiek $Tm, Ho: YAG$.

Abstrakt. 1 s.

88.

Sidorowicz Agata (ITME) (Wydział Inżynierii Materiałowej, Politechnika Warszawska), Wajler Anna (ITME), Węglarz Helena (ITME), Nakielska Magdalena (ITME), Jach Katarzyna (ITME), Olszyna A. (Wydział Inżynierii Materiałowej, Politechnika Warszawska)

Wytwarzanie i charakteryzacja luminescencyjnych nanoproszków tlenku itru domieszkowanych jonami tulu i holmu.

Abstrakt. 1 s.

89.

Wajler Anna (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME) (Wydział Inżynierii Materiałowej, Politechnika Warszawska), Romaniec Magdalena (ITME), Nakielska Magdalena (ITME), Jach Katarzyna (ITME)

Granulacja kriogeniczna nanoproszków granatu itrowo-glinowego domieszkowanego neodymem (Nd:YAG) otrzymanych metodą współstracania.

Abstrakt. 1 s.

90.

Wajler Anna (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME), Woźniak J. (Wydział Inżynierii Materiałowej, Politechnika Warszawska)

Wpływ dodatku tlenku glinu na mikrostrukturę polikrystalicznego tytanianu baru spiekanego metodą SPS.

Abstrakt. 1 s.

91.

39th International Microelectronics and Packaging Conference IMAPS, Gdańsk, Poland, 2015.09.20-2015.09.23

Futera K. (Tele and Radio Research Institute, Warszawa, Poland; Faculty of Mechatronics, Warsaw University of Technology, Poland), Araźna A. (Tele and Radio Research Institute, Warszawa, Poland), Młodziak Anna (ITME), Jakubowska Małgorzata (ITME) (Warsaw University of Technology Faculty of Mechatronics, Warszawa, Poland)

Inkjet printed circuits on flexible substrates using heterophase graphene based inks for flexible solar cells.

92.

European Congress and Exhibition on Advanced Materials and Processes, Warszawa, Polska, 2015.09.20-2015.09.24

Basista M. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Węglewski W. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Bochenek K. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME)

Chromium-rhenium-alumina composites for powertrain application: Processing route, microstructure, properties and numerical modelling.

Abstract. 1 s.

93.

Ciepielewski Paweł (ITME), Pasternak Iwona (ITME), Sobieski Jan (ITME)

Raman spectroscopy in evaluation of graphene anti-corrosion properties.

Abstract. 1 s., il., bibliogr.

94.

Homa M. (Foundry Research Institute, Kraków, Poland), Sobczak N. (Foundry Research Institute, Kraków, Poland), Gazda A. (Foundry Research Institute, Kraków, Poland), Pietrzak Katarzyna (ITME), Chmielewski Marcin (ITME), Strojny-Nędza Agata (ITME)

Thermophysical properties of Cu-C composites.

Abstract. 1 s.

95.

Homa M. (Centre for High Temperature Studies, Foundry Research Institute, Kraków, Poland), Sobczak N. (Centre for High Temperature Studies, Foundry Research Institute, Kraków, Poland), Kudyba A. (Centre for High Temperature Studies, Foundry Research Institute, Kraków, Poland), Bruzda G. (Centre for High Temperature Studies, Foundry

Research Institute, Kraków, Poland), Strupiński Włodzimierz (ITME), Łuczyński Zygmunt (ITME), Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME)

Wetting behavior of liquid copper on graphene-coated SiC single crystal substrate.
Abstract. 2 s., bibliogr.

96.

Jarząbek D.M. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warszawa, Poland), Chmielewski Marcin (ITME), Wojciechowski T. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland)

The measurement of the adhesion force between ceramic particles and metal matrix in ceramic reinforced-metal matrix composites.
Abstract. 1 s., il.

97.

Jakubowska J. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Strojny-Nęcza Agata (ITME), Napłocha K. (Wrocław University of Technology, Poland), Basista M. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland)

Processing and properties of pressure infiltrated alumina-aluminum graded composites with application to brake discs.
Abstract. 1., il.

98.

Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Kaźmierczak P. (Faculty of Physics, University of Warsaw, Poland), Karpierz E. (Faculty of Physics, University of Warsaw, Warsaw, Poland; Faculty of Chemistry, Warsaw University of Technology, Poland), Bożek R. (Faculty of Physics, University of Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Poland; Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Strupiński Włodzimierz (ITME)

Raman spectroscopy and contactless transport in graphene functionalized with NaCl nanoparticles.
Abstract. 1 s., bibliogr.

99.

Kierdaszuk J. (Faculty of Physics, University of Warsaw, Poland), Kaźmierczak P. (Faculty of Physics, University of Warsaw, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Korona K. (Faculty of Physics, University of Warsaw, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Pakuła K. (Faculty of Physics, University of Warsaw, Poland), Żytkiewicz Z.R. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland)

Optical and electrical studies of interaction between GaN nanowires and graphene.
Abstract. 1 s., il., bibliogr.

100.

Kurpaska L. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Grosseau-Poussard J.L. (LaSIE UMR-CNRS 7356, Pole Science et Technologie, Universite de La Rochelle, La Rochelle Cedex, France), Jóźwik Iwona (ITME), Jagielski Jacek (ITME) (National Center for Nuclear Research, Otwock-Świerk, Poland)

Identifying sub-oxide phases at the metal-oxide interphase developed on pure zirconium using Raman spectroscopy technique.

Abstract. 1 s., bibliogr.

101.

Nosewicz S. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Rojek J. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland), Chmielewski Marcin (ITME)

Discrete element modelling of hot pressing process.

Abstract. 1 s., il., bibliogr.

102.

Pasternak Iwona (ITME), Lukosius M. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Yamamoto Y. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Lupina G. (IHP, Im Technologiepark, Frankfurt (Oder), Germany), Strupiński Włodzimierz (ITME)

Optimized graphene growth on Ge(100)/Si(100) substrates.

Abstract. 1 s., bibliogr.

103.

Pietrzak Katarzyna (ITME), Sobczak N. (Foundry Research Institute, Kraków, Poland), Strojny-Nędza Agata (ITME), Homa M. (Foundry Research Institute, Kraków, Poland), Gazda A. (Foundry Research Institute, Kraków, Poland), Zybala R. (Faculty of Materials Science Engineering, Warsaw University of Technology, Poland)

Effect of carbon allotropic forms on microstructure and thermal properties of Cu-C composites produced by SPS.

Abstract. 1 s., il.

104.

Pietrzak Katarzyna (ITME)

Joining of metal matrix composites - technological aspects.

Abstract. 1 s.

105

Strojny-Nędza Agata (ITME), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warszawa, Poland), Jarzabek D.M. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warszawa, Poland), Gładki Andrzej

Correlation between preparing conditions, starting materials morphology and the interface structure of the Cu-Al₂O₃ composites.

Abstract. 1 s., il.

106.

Strojny-Nędza Agata (ITME), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warszawa, Poland), Węglewski W. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warszawa, Poland)

The influence of the Al₂O₃ powder morphology on the properties of Cu-Al₂O₃ composites and FGM's.

Abstract. 1 s., il.

107.

Mechatronics 2015, Warszawa, Poland, 2015.09.21-2015.09.23

Dybowska-Sarapuk Łucja (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Szałapak Jerzy (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Wróblewski G. (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Wyzkiewicz Iwona (ITME), Słoma Marcin (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warszawa, Poland)

Rheology of inks for various techniques of printed electronics.

108.

NanoItaly2015/Nanotechnology meeting forum for Research and Market, Rzym, Włochy, 2015.09.21-2015.09.24

Pawlak Dorota (ITME)

Metamaterials and plasmonic materials obtained by crystal growth methods.

109.

TAL 2015/XVI Scientific Conference and IV School Optical Fibers and Their Applications, Nałęczów, Poland, 2015.09.22-2015.09.25

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Stefaniuk T. (Faculty of Physics, University of Warsaw, Poland), Pniewski J. (Faculty of Physics, University of Warsaw, Poland), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Poland), Stępień Ryszard (ITME)

Photonic crystal fibers for guidance of radially polarized beam.

Abstract. 1 s.

110.

Chu Van L. (Institute of Physics, University of Zielona Góra, Poland), Stefaniuk T. (Department of Physics, Vinh University, Vinh City, Viet Nam), Kasztelaniec Rafał (ITME), Cao Long V. (Institute of Physics, University of Zielona Góra, Poland), Klimczak Mariusz (ITME), Le Van H. (Institute of Physics, University of Zielona Góra, Poland; Faculty of Physics, University of Warsaw, Poland), Trippenbach M. (Faculty of Physics University of Warsaw, Poland), Buczyński Ryszard (ITME) (Faculty of Physics University of Warsaw, Poland)

Temperature sensitivity of photonic crystal fibers infiltrated with ethanol solutions. Proc.SPIE Vol.9816 s. 98160O-1-6, il., bibliogr.

111.

Pysz Dariusz (ITME), Siwicki Bartłomiej (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Kasztelan Rafal (ITME), Śmietana M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warszawa, Poland), Klimczak Mariusz (ITME), Trippenbach M. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland)

Development of suspended core microstructured fiber for biomedical sensor system.
Abstract. 1 s.

112.

European Semiconductor Laser Workshop, Madryt, Hiszpania, 2015.09.24-2015.09.25
Sobczak Grzegorz (ITME) (Faculty of Physics, Warsaw University of Technology, Poland), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Krzyżak Konrad (ITME), Dąbrowski Andrzej (ITME), Małag Andrzej (ITME)

Improved optical field stability in high-power laser diodes with multi-stripe gain distribution.
Abstract. 2 s., il., bibliogr.

113.

I Krajowa Konferencja "Grafen i inne materiały 2D"/1st Polish Conference "Graphene and 2D materials", Szczecin, Polska, 2015.09.27-2015.09.29

Dąbrowski P. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki, Polska), Rogala M. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki, Polska), Własny I. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Kowalczyk P.J. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Busiakiewicz A. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Kozłowski W. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Kopciuszynski M. (Instytut Fizyki, Uniwersytet Marii Curie-Skłodowskiej, Lublin), Jałochowski M. (Instytut Fizyki, Uniwersytet Marii Curie-Skłodowskiej, Lublin), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME), Klusek Z. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki)

Modyfikacja własności elektronowych grafenu.
Materiały konferencyjne. s.41, il.

114.

Drewniak S. (Wydział Elektryczny, Politechnika Śląska, Gliwice), Pustelny T. (Wydział Elektryczny, Politechnika Śląska, Gliwice), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Instytut Optoelektroniki, WAT, Warszawa)

Charakteryzacja grafenu przy użyciu spektroskopii ramanowskiej.
Materiały konferencyjne. s.104, il., bibliogr.

115.

Drewniak S. (Wydział Elektryczny, Politechnika Śląska, Gliwice), Pustelny T. (Wydział Elektryczny, Politechnika Śląska, Gliwice), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Instytut Optoelektroniki, WAT, Warszawa)

Wrażliwość grafenu na zmianę składu otaczającej go atmosfery.
Materiały konferencyjne. s.69, il., bibliogr.

116.

Dybowska-Sarapuk Łucja (ITME) (Wydział Mechatroniki, Politechnika Warszawska), Rumiński S. (Katedra i Zakład Histologii i Embriologii, Centrum Biostruktury, Warszawski Uniwersytet Medyczny, Warszawa; Centrum Badań Przedklinicznych i Technologii, Warszawa; Studium Medycyny Molekularnej, Warszawa), Wróblewski G. (Wydział Mechatroniki, Politechnika Warszawska), Młodziak Anna (ITME), Kalaszczyńska I. (Katedra i Zakład Histologii i Embriologii, Centrum Biostruktury, Warszawski Uniwersytet Medyczny, Warszawa; Centrum Badań Przedklinicznych i Technologii, Warszawa), Lewandowska-Szumiel M. (Katedra i Zakład Histologii i Embriologii, Centrum Biostruktury, Warszawski Uniwersytet Medyczny, Warszawa; Centrum Badań Przedklinicznych i Technologii, Warszawa), Jakubowska Małgorzata (ITME) (Wydział Mechatroniki, Politechnika Warszawska)

Wodne atramenty biologiczne do druku strumieniowego na bazie nanopłatków grafenu.

Materiały konferencyjne. s.84

117.

Gajewski K. (Politechnika Wrocławska, Wydział Elektroniki Mikrosystemów i Fotoniki, Polska), Kunicki P. (Politechnika Wrocławska, Wydział Elektroniki Mikrosystemów i Fotoniki, Polska), Szumska A. (Politechnika Wrocławska, Wydział Elektroniki Mikrosystemów i Fotoniki, Polska), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Instytut Optoelektroniki, WAT, Warszawa, Polska), Strupiński Włodzimierz (ITME), Gotszalk T. (Politechnika Wrocławska, Wydział Elektroniki Mikrosystemów i Fotoniki, Polska)

Wytwarzanie i pomiary membran grafenowych na podłożu SiO₂.
Materiały konferencyjne. s.120, il., bibliogr.

118.

Gawlik Grzegorz (ITME), Piątkowska Anna (ITME)

Warstwy wielokrotne grafenu CVD - wzrost od góry czy od dołu?.
Materiały konferencyjne.s.28-29, il., bibliogr.

119.

Jakubowska Małgorzata (ITME) (Wydział Mechatroniki, Politechnika Warszawska), Janczak D. (Wydział Mechatroniki, Politechnika Warszawska), Wróblewski G. (Wydział Mechatroniki, Politechnika Warszawska), Słoma Marcin (ITME) (Wydział Mechatroniki, Politechnika Warszawska), Dybowska-Sarapuk Łucja (ITME) (Wydział Mechatroniki, Politechnika Warszawska), Młodziak Anna (ITME), Kiełbasiński Konrad (ITME)

Grafenowe pasty i atramenty do drukowania ścieżek i warstw przewodzących w zastosowaniu do zabezpieczania dokumentów - Grafinks.

Materiały konferencyjne. s.22-23, il.

120.

Kaźmierczak P. (Wydział Fizyki, Uniwersytet Warszawski), Binder J. (Wydział Fizyki, Uniwersytet Warszawski), Boryczko K. (Wydział Fizyki, Uniwersytet Warszawski), Ciuk Tymoteusz (ITME), Strupiński Włodzimierz (ITME), Stępniewski R. (Wydział Fizyki, Uniwersytet Warszawski), Wysmołek A. (Wydział Fizyki, Uniwersytet Warszawski)

Separacja sygnałów zależnych od kierunku i prędkości cieczy generowanych w grafenowym czujniku przepływu.

Materiały konferencyjne. s.32-33, il., bibliogr.

121.

Kierdaszuk J. (Wydział Fizyki, Uniwersytet Warszawski), Kaźmierczak P. (Wydział Fizyki, Uniwersytet Warszawski), Drabińska A. (Wydział Fizyki, Uniwersytet Warszawski), Korona K. (Wydział Fizyki, Uniwersytet Warszawski), Wysmołek A. (Wydział Fizyki, Uniwersytet Warszawski), Kamińska M. (Wydział Fizyki, Uniwersytet Warszawski), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Instytut Optoelektroniki, WAT, Warszawa), Pakuła K. (Instytut Fizyki Polskiej Akademii Nauk, Warszawa), Żytkiewicz Z.R. (Instytut Fizyki Polskiej Akademii Nauk, Warszawa)

Znaczne wzmocnienie intensywności widm ramanowskich grafenu przełożonego na nanodrutu z azotku galu.

Materiały konferencyjne. s.77-78, il., bibliogr.

122.

Krucińska I. (Katedra Materiałoznawstwa Towaroznawstwa i Metrologii Włókienniczej, Politechnika Łódzka, Centrum Zaawansowanych Technologii Tekstyliów Przyjaznych dla Człowieka PRO HUMANO TEX, Łódź), Puchalski M. (Katedra Materiałoznawstwa Towaroznawstwa i Metrologii Włókienniczej, Politechnika Łódzka, Centrum Zaawansowanych Technologii Tekstyliów Przyjaznych dla Człowieka PRO HUMANO TEX, Łódź), Skrzetuska E. (Katedra Materiałoznawstwa Towaroznawstwa i Metrologii Włókienniczej, Politechnika Łódzka, Centrum Zaawansowanych Technologii Tekstyliów Przyjaznych dla Człowieka PRO HUMANO TEX, Łódź), Draczyński Z. (Katedra Materiałoznawstwa Towaroznawstwa i Metrologii Włókienniczej, Politechnika Łódzka, Centrum Zaawansowanych Technologii Tekstyliów Przyjaznych dla Człowieka PRO HUMANO TEX, Łódź), Jagiełło Joanna (ITME), Aksienionek Magdalena (ITME), Lipińska Ludwika (ITME), Sieradzki Z. (Towarzystwo Elektrotechnologiczne QWERTY Sp. z o.o., Łódź), Kołodziejczyk K. (Towarzystwo Elektrotechnologiczne QWERTY Sp. z o.o., Łódź), Dąbrowski P. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki, Łódź), Własny I. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki, Łódź), Rogala M. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki, Łódź), Klusek Z. (Katedra Fizyki Ciała Stałego, Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki, Łódź)

Metody antyelektrostatycznego i sensorycznego wykończenia tekstyliów z włókien syntetycznych z użyciem grafenu.

Materiały konferencyjne. s.27, il., bibliogr.

123.

Lipińska Ludwika (ITME), Aksienionek Magdalena (ITME), Skrzypczyńska K. (Institute of Chemistry, Military University of Technology, Warsaw, Poland), Kuśmierk K. (Institute of Chemistry, Military University of Technology, Warsaw, Poland), Świątkowski A. (Institute of Chemistry, Military University of Technology, Warsaw, Poland)

Carbon paste electrode modified by addition of reduced graphene oxide in electroanalysis of chloroorganics.

Materiały konferencyjne. s.86-87, il., bibliogr.

124.

Missala T. (Przemysłowy Instytut Automatyki i Pomiarów PIAP, Warszawa), Szewczyk R. (Przemysłowy Instytut Automatyki i Pomiarów PIAP, Warszawa), Winiarski W. (Przemysłowy Instytut Automatyki i Pomiarów PIAP, Warszawa), Hamela M. (Przemysłowy Instytut Automatyki i Pomiarów PIAP, Warszawa), Kamiński M. (Przemysłowy Instytut Automatyki i Pomiarów PIAP, Warszawa), Tomasiak J. (Instytut Metrologii Inżynierii Biomedycznej, Politechnika Warszawska), Strupiński Włodzimierz (ITME), Pasternak Iwona (ITME)

Badania wpływu powłoki grafenowej na właściwości tribologiczne warstw wierzchnich.

Materiały konferencyjne. s.94-95, il., bibliogr.

125.

Pietrzak Katarzyna (ITME), Olesińska Wiesława (ITME), Strąk Cezary (ITME), Siedlec Robert (ITME), Gładki Andrzej (ITME)

Modyfikacja właściwości warstwy wierzchniej miedzi poprzez nanoszenie rozproszonego rGO.

Materiały konferencyjne. s.25, il., bibliogr.

126.

Pietrzak Katarzyna (ITME), Gładki Andrzej (ITME), Frydman Krystyna (ITME), Wójcik-Grzybek Danuta (ITME)

Pożądane cechy chemiczne i fizyczne form grafenowych stosowanych w otrzymywaniu proszków kompozytowych z osnowami Ag i Cu.

Materiały konferencyjne. s.75-76, bibliogr.

127.

Rogała M. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Kowalczyk P.J. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Dąbrowski P. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Własny I. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Kozłowski W. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Busiakiewicz A. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Pawłowski S. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Dobiński G. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Smolny M. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska), Karaduman I. (Department of Physics, Gazi University, Teknikokullar, Ankara, Turkey), Lipińska Ludwika (ITME), Koziński Rafał (ITME), Librant Krzysztof (ITME), Jagiełło Joanna (ITME), Baranowski Jacek (ITME), Szot K. (Peter Grunberg Institut & JARA-FIT, Forschungszentrum Julich, Germany), Klusek Z. (Katedra Fizyki Ciała Stałego, Uniwersytet Łódzki, Polska)

Grafenowe układy pamięciowe: rola wody w przełączaniu rezystywnym w tlenku grafenu.

Materiały konferencyjne. s.64, il.

128.

Sobieski Jan (ITME), Baranowski Jacek (ITME), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME)

Epitaksjalny wzrost grafenu na wielkoformatowych miedzianych podłożach.

Materiały konferencyjne. s.34-35, il., bibliogr.

129.

Wanag A. (Institute of Chemical and Environmental Engineering, West Pomeranian University of Technology, Szczecin, Poland), Kusiak-Nejman E. (Institute of Chemical and Environmental Engineering, West Pomeranian University of Technology, Szczecin, Poland), Kapica-Kozar J. (Institute of Chemical and Environmental Engineering, West Pomeranian University of Technology, Szczecin, Poland), Kowalczyk Ł. (Institute of Chemical and Environmental Engineering, West Pomeranian University of Technology, Szczecin, Poland), Ohtani B. (Catalysis Research Center, Hokkaido University, Sapporo, Japan), Ostrowska Justyna (ITME), Aksienionek Magdalena (ITME), Lipińska Ludwika (ITME), Morawski A.W. (Institute of Chemical and Environmental Engineering, West Pomeranian University of Technology, Szczecin, Poland)

Acetic acid decomposition at the presence of titanium dioxide - reduced graphene oxide nanocomposites.

Materiały konferencyjne. s.111, il., bibliogr.

130.

Wiśniewska P. (Uniwersytet Warszawski, Wydział Fizyki, Warszawa), Kaźmierczak P. (Uniwersytet Warszawski, Wydział Fizyki, Warszawa), Binder J. (Uniwersytet Warszawski, Wydział Fizyki, Warszawa), Strupiński Włodzimierz (ITME), Stępniewski R. (Uniwersytet Warszawski, Wydział Fizyki, Warszawa), Wyszomółek A. (Uniwersytet Warszawski, Wydział Fizyki, Warszawa)

Wpływ roztworów wodnych na elektroniczne i optyczne właściwości grafenu epitaksjalnego hodowanego na SiC.

Materiały konferencyjne. s.46-47, il., bibliogr.

131.

Wyszomółek P. (Wydział Fizyki, Uniwersytet Warszawski), Drabińska A. (Wydział Fizyki, Uniwersytet Warszawski), Kamińska M. (Wydział Fizyki, Uniwersytet Warszawski), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME)

Bezkontaktowe badania zjawiska słabej lokalizacji w grafenie poddawany działaniu kwasu solnego.

Materiały konferencyjne. s.113-114, il., bibliogr.

132.

XVIIIth International Krutyn Summer School 2015, Krutyń, Poland, 2015.09.27-2015.10.03

Antolik Aneta (ITME) (Warsaw University of Technology, Faculty of materials Science and Engineering, Warsaw, Poland), Osewski Paweł (ITME), Pawlak Dorota (ITME)

ZnO-ZnWO₄ eutectic doped with aluminum and gallium ions, as a self-organized nanostructured TCO-based plasmonic material.

Abstract. 1 s., bibliogr.

133.

Osewski Paweł (ITME), Belardini A. (Sapienza Universita di Roma, Italy), Leahu G. (Sapienza Universita di Roma, Italy), Sibilia C. (Sapienza Universita di Roma, Italy), Pawlak Dorota (ITME)

Optical properties of ZnO-ZnWO₄ due to exaction polaritons.

Abstract. 1 s., bibliogr.

134.

3rd International Symposium Optics & its Applications, Yerevan-Ashtarak, Armenia, 2015.10.01-2015.10.05

Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Filipkowski Adam (ITME), Piechal Bernard (ITME), Pysz Dariusz (ITME), Klimczak Mariusz (ITME), Waddie A.J. (Institute of Photonics and Quantum Sciences, School of Engineering and Heriot-Watt University, Edinburgh, Scotland, UK), Taghizadeh M.R. (Institute of Photonics and Quantum Sciences, School of Engineering and Heriot-Watt University, Edinburgh, Scotland, UK), Stępień Ryszard (ITME)

Application of effective medium theory for development of nanostructured gradient index microoptical components.

Abstract. 1 s.

135.

I. Konferencja Optoelektroniczna pt."Optoelektronika dla bezpieczeństwa państwa i obywateli", Rawa Mazowiecka, Poland, 2015.10.07-2015.10.08

Jeleński Andrzej (ITME)

Nowe materiały i podzespoły dla optoelektroniki.

Abstract. 1 s.

136.

VI Workshop on Physics and Technology of Semiconductor Lasers, Kraków, Polska, 2015.10.11-2015.10.15

Małąg Andrzej (ITME), Ornoch L. (Ultrasystem sp. z o.o., Warszawa), Sobczak Grzegorz (ITME) (Faculty of Physics, WUT, Warszawa), Dąbrowska Elżbieta (ITME)

Characterization of continuously operated laser diodes using pulse-technique-measurements.

Abstract. 2 s., il.

137.

Sobczak Grzegorz (ITME), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Krzyżak Konrad (ITME), Dąbrowski Andrzej (ITME), Małąg Andrzej (ITME)

Properties of high-power diode lasers with periodic gain distribution in lateral direction.

Abstract. 1 s., bibliogr.

138.

Cost Action MP1205:MC/WG meeting, Mediolan, Italy, 2015.10.19-2015.10.20

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Stefaniuk T. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Van H.L., Ramaniuk A., Van L.C., Karpierz M. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Trippenbach M. (Faculty of Physics, University of Warsaw, Warszawa, Poland)

Dispersion engineering in photonic crystal fibers infiltrated with liquids.

Proc.SPIE. Dispersion engineering in soft glass photonic crystal fibers infiltrated with liquids. Vol.9816, s.98160N-1-6, il., bibliogr.

139.

The Eleventh Conference for Young Scientists in Ceramics, SM-2015, Novi Sad, Serbia, 2015.10.21-2015.10.24

Jach Katarzyna (ITME)

Modification of quartz and ceramic substrates by deposition of tungsten layers.

Abstract. 1 s.

140.

Nakielska Magdalena (ITME), Sidorowicz Agata (ITME) (Warsaw University of Technology, Warszawa, Poland), Wajler Anna (ITME), Węglarz Helena (ITME), Kaczkan M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland)

Spectroscopic investigations of Tm,Ho:YAG ceramics for solid state laser applications.

Abstract. 1 s.

141.

Sidorowicz Agata (ITME) (Warsaw University of Technology, Warszawa, Poland), Wajler Anna (ITME), Węglarz Helena (ITME), Nakielska Magdalena (ITME), Orliński Krzysztof (ITME), Olszyna A. (Warsaw University of Technology, Warszawa, Poland)

Influence of thulium and holmium oxide powders morphology on properties of transparent Tm,Ho:YAG ceramics.

Abstract. 1 s.

142.

4th International Conference on RARE EARTH MATERIALS, Ślęza/Wrocław, Poland, 2015.10.26-2015.10.28

Drozdowski W. (Scintillator and Phosphor Materials Spectroscopy Group, Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Brylew K. (Scintillator and Phosphor Materials Spectroscopy Group, Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Łachmański W. (Scintillator and Phosphor Materials Spectroscopy Group, Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Wojtowicz A.J. (Scintillator and Phosphor Materials Spectroscopy Group, Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME), Turczyński Sebastian (ITME), Pawlak Dorota (ITME), Malinowski M. (Institute of Microelectronics and Optoelectronics, Warsaw, Poland)

New praseodymium-activated oxide scintillators.

143.

Malinowski M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland), Kaczkan M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland), Turczyński Sebastian (ITME), Pawlak Dorota (ITME)

The reduction of inkjet-printed graphene oxide: the final step for production of transparent and flexible electronics.

144.

The 19th International Conference on Surface Modification of Materials by Ion Beam, Chiang Mai, Thailand, 2015.11.22-2015.11.27

Gawlik Grzegorz (ITME), Ciepielewski Paweł (ITME), Baranowski Jacek (ITME), Jagielski Jacek (ITME)

Ion beam induced defects in CVD graphene on glass.

Abstracts. s.92, il., bibliogr.

145.

Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock, Poland), Ostaszewska U. (Institute for Engineering of Polymer Materials & Dyes, Division of

Elastomers & Rubber Technology, Piastów, Poland), Koziński Rafał (ITME), Hassa-Zaloba A. (Institute for Engineering of Polymer Materials & Dyes, Division of Elastomers & Rubber Technology, Piastów, Poland), Romaniec Magdalena (ITME), Kurpaska Ł. (National Centre for Nuclear Research, Otwock, Poland), Kosińska A. (National Centre for Nuclear Research, Otwock, Poland), Grambole D. (Helmholtz Zentrum Dresden Rossendorf, Dresden, Germany), Józwick Iwona (ITME)

Structural and functional properties of ion-irradiated graphene-reinforced elastomers. Abstracts. s.90, il.

146.

Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock, Poland), Thome L. (Centre de Sciences Nucleaires et de Sciences de Matiere, Orsay, France)

Mechanism of damage buildup in ion bombarded compound single crystals. Abstracts. s. 47

147.

2015 Materials Research Society Fall Meeting & Exhibit, Boston, USA, 2015.11.29-2015.12.04

Kurpaska L. (National Centre for Nuclear Research, Świerk, Poland; Laboratoire Roberval, Universite de Technologie de Compiègne, Centre de Recherche de Royallieu, Compiègne Cedex, France), Józwick Iwona (ITME), Favergeon J. (Laboratoire Roberval, Universite de Technologie de Compiègne, Centre de Recherche de Royallieu, Compiègne Cedex, France), Lahoche L. (Laboratoire Roberval, Universite de Technologie de Compiègne, Centre de Recherche de Royallieu, Compiègne Cedex, France; Laboratoire des Technologies Innovantes, Universite de Picardie Jules-Verne, Amiens Cedex, France), Lewandowski K. (University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences, Warsaw, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Świerk, Poland)

Microstructural and mechanical evaluation of the zirconium // zirconia interphase. Abstract. 1 s., bibliogr.

148.

27th RD50 Workshop-CERN, Genewa, Szwajcaria, 2015.12.02-2015.12.04

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Surma Barbara (ITME), Kozubal Michał (ITME), Dierlamm A. (Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen, Germany), Krupka J. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warszawa, Poland), Kwestarz M. (Topsil Semiconductor Materials SA, Warszawa, Poland)

Effect of proton fluence on radiation defect structure of high-purity silicon for particle detectors.

149.

Kwestarz M. (Topsil Semiconductor Materials, Warszawa, Poland), Jabłoński J. (Topsil Semiconductor Materials, Warszawa, Poland), Sveigaard T. (Topsil Semiconductor Materials, Frederikssund, Denmark), Hindrichsen Ch. (Topsil Semiconductor Materials, Frederikssund, Denmark), Jensen L. (Topsil Semiconductor Materials, Frederikssund, Denmark), Kamiński Paweł (ITME), Surma Barbara (ITME), Wodzyński Maciej (ITME)

High resistivity, nitrogen-enriched FZ Si wafers for particle detectors.