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Nowe materiały i ich technologie do zastosowań w nowoczesnych urządzeniach energetycznych. W: Wybrane zagadnienia. Wydawnictwa Instytutu Maszyn Przepływowych PAN, 2014, Gdańsk, 183 s., il., bibliogr., ISBN: 978-83-88237-18-8

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Gozdek T (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Lodz University of Technology, Poland), Bieliński D.M. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Lodz University of Technology, Łódź, Poland; Institute for Engineering Materials and Dyes, Division of Elastomers and Rubber Technology, Piastów, Poland), Siciński M. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Lodz University of Technology, Poland), Szymanowski H. (Institute of Materials Engineering, Faculty of Mechanical Engineering, Lodz of Technology, Łódź, Poland), Piątkowska Anna (ITME), Stachlewska M.

Rubber vulcanizates containing plasmochemically modified fillers in: High Performance Elastomer Materials. An Engineering Approach. Ed.: Dariusz M. Bieliński, Ryszard Kozłowski, Gennady E.Zaikov. 2014, Toronto/New Jersey, s. 143-155, il., bibliogr., Apple Academic Press, seria: AAP Research Notes on Chemistry, ISBN: 978-1-77188-042-8

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

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(Kristallographie Institut für Geo- und Umweltnaturwissenschaften, Albert-Ludwigs-Universität Freiburg, Germany), Tuomi T.O. (Department of Micro- and Nanosciences, Aalto University School of Electrical Engineering, Espoo, Finland), Lipsanen H. (Department of Micro- and Nanosciences, Aalto University School of Electrical Engineering, Espoo, Finland)

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Zhao L. (Department of Physics, The City College of New York, CUNY, New York, USA; The Graduate Center, CUNY, New York, USA), Deng H. (Department of Physics, The City College of New York, CUNY, New York, USA), Korzhovska I. (Department of Physics, The City College of New York, CUNY, New York, USA; The Graduate Center, CUNY, New York, USA), Chen Z. (Department of Physics, The City College of New York, CUNY, New York, USA; The Graduate Center, CUNY, New York, USA), Konczykowski M. (Laboratoire des Solides Irradiés, CNRS UMR 7642 and CEA-DSM-IRAMIS, Ecole Polytechnique, France), Hruban Andrzej (ITME), Oganessian V. (The Graduate Center, CUNY, New York, USA; Department of Engineering Science and Physics, College of Staten Island, CUNY, Staten Island, New York, USA), Krusin-Elbaum L. (Department of Physics, The City College of New York, CUNY, New York, USA; The Graduate Center, CUNY, New York, USA)

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Otwock, Poland), Turos Andrzej (ITME) (National Centre for Nuclear Research, Świerk-Otwock, Poland), Kovarik L. (Pacific Northwest National Laboratory, Richland, WA, USA), Arey B. (Pacific Northwest National Laboratory, Richland, WA, USA)

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Klimczak Mariusz (ITME), Stępniewski Grzegorz (ITME), Bookey H. (School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Szolno Agnieszka (ITME), Stępień Ryszard (ITME), Pysz Dariusz (ITME), Kar A. (School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Waddie A. (School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Taghizadeh M. (School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

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Poland), Kaczkan M. (Institute of Microelectronics and Optoelectronics, Warsaw University
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131.

Hamankiewicz B. (Faculty of Chemistry, University of Warsaw, Poland; Industrial Chemistry Research Institute, Warszawa, Poland), Michalska Monika (ITME), Krajewski M. (Faculty of Chemistry, University of Warsaw, Poland), Ziółkowska D. (Faculty of Physic, University of Warsaw, Poland), Lipińska Ludwika (ITME), Korona K. (Faculty of Physic, University of Warsaw, Poland), Kamińska M. (Faculty of Physic, University of Warsaw, Poland), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland; Industrial Chemistry Research Institute, Warszawa, Poland)

The effect of electrode thickness on electrochemical performance of LiMn_2O_4 cathode synthesized by modified sol-gel method.

Vol.262 s.9-13

Superconductor Science and Technology

132.

Krause S. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg, Sweden), Meledin D. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg, Sweden), Desmaris V. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg, Sweden), Pavolotsky A. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg, Sweden), Belitsky V. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg, Sweden), Rudziński Mariusz (ITME), Pippel E. (Max Planck Institute of Microstructure Physics, Halle/Saale, Germany)

Epitaxial growth of ultra-thin NbN films on $\text{Al}_x\text{Ga}_{1-x}\text{N}$ buffer-layer.
nr 27 s.065009-1-7

Transactions of Foundry Research Institute

133.

Homa M. (Foundry Research Institute, Center for High-Temperature Studies, Kraków, Poland), Siewiorek A. (Foundry Research Institute, Center for High-Temperature Studies, Kraków, Poland), Gazda A. (Foundry Research Institute, Center for High-Temperature Studies, Kraków, Poland), Sobczak N. (Foundry Research Institute, Center for High-Temperature Studies, Kraków, Poland), Kudyba A. (Foundry Research Institute, Center for High-Temperature Studies, Kraków, Poland), Turalska P. (Foundry Research Institute, Center for High-Temperature Studies, Kraków, Poland), Pietrzak Katarzyna (ITME), Frydman Krystyna (ITME), Wójcik-Grzybek Danuta (ITME), Strojny-Nędza Agata (ITME)

Termophysical properties of Ag-C composites doped with carbon nanotubes.

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Tribologia

134.

Chmielewski Marcin (ITME), Dutkiewicz J. (Instytut Metalurgii i Inżynierii Materiałowej, Kraków, Polska), Mańkowska-Snopczyńska A. (Instytut Technologii Eksploatacji, Radom, Polska), Michalczewski R. (Instytut Technologii Eksploatacji, Radom, Polska), Pietrzak Katarzyna (ITME)

X-ray Spectrometry

135.

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.

przyjęto do druku

136.

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 (CaMnO_4) by means of X-ray diffraction topography.

przyjęto do druku

137.

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), Józwiak Przemysław (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Wilhelm R. (Forschungszentrum Dresden-Rossendorf, Dresden, Germany), Akhamadaliyev 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 2 MeV Se^+ and 1 MeV Al^+ ions.

przyjęto do druku

138.

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.

przyjęto do druku

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

15th Conference on Optical Fibers and Their Applications, Białystok-Lipowy Most, Poland, 2014.01.29-2014.02.02

1.

Filipkowski Adam (ITME) (Heriot-Watt University, Edinburgh, UK), Pysz Dariusz (ITME), Siwicki Bartłomiej (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Waddie A. (Heriot-Watt University, Edinburgh, UK; Alba Photonics, Dundas House, Westfield Park, Edinburgh, UK), Taghizadeh M. (Heriot-Watt University, Edinburgh, UK; Alba Photonics, Dundas House, Westfield Park, Edinburgh, UK), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)
Optical properties of nanostructured all-glass micro-axicons.

2.

Klimczak Mariusz (ITME), Piwoński T. (Tyndall National Institute, Cork, Ireland), Komolibus K. (Tyndall National Institute, Cork, Ireland), Siwicki Bartłomiej (ITME) (University of Warsaw, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Ochalski T. (Tyndall National Institute, Cork, Ireland), Buczyński Ryszard (ITME) (University of Warsaw, Poland)

Numerical analysis of spectral correlation and degree of coherence in all-normal dispersion supercontinuum covering telecommunication bandwidth.
Abstract. 1 s., il.

3.

Kociubiński A. (Lublin University of Technology, Lublin, Poland), Duk M. (Lublin University of Technology, Lublin, Poland), Teklińska Dominika (ITME), Kwietniewski N. (Warsaw University of Technology, Warszawa, Poland), Sochacki M. (Warsaw University of Technology, Warszawa, Poland), Borecki M. (Warsaw University of Technology, Warszawa, Poland)

Fabrication and characterization of epitaxial 4H-SiC pn junctions.
Proc.SPIE. Optical Fibers and Their Applications. Vol.9228, s.922804-1-6, il., bibliogr.

4.

Kujawa Ireneusz (ITME), Pysz Dariusz (ITME), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Swat M. (University of Warsaw, Faculty of Physics, Warszawa, Poland; Warsaw University of Technology, Institute of Radioelectronics, Warszawa, Poland), Stępień Ryszard (ITME), Salski B. (Warsaw University of Technology, Institute of Radioelectronics, Warszawa, Poland), Buczyński Ryszard (ITME)

Flat birefringence in fibers with nanostructured lamellar core.
Abstract. 1 s., il.

5.

Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Klimczak Mariusz (ITME), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Borzycki K. (National Institute of Telecommunications, Warszawa, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Generation of supercontinuum in microstructured fibers pumped with microchip lasers.
Abstract. 1 s., il.

Fiber Lasers XI: Technology, Systems, and Applications, San Francisco, USA, 2014.02.01-2014.02.06

6.

Sotor J. (Laser&Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Soboń G. (Laser&Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Pasternak Iwona (ITME), Krzempek K. (Laser&Fiber Electronic Group, Wrocław University of Technology, Wrocław, Poland), Dudzik G. (Laser&Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Strupiński Włodzimierz (ITME), Abramski K.M. (Laser&Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland)

Dual-wavelength fiber mode-locked laser based on graphene saturable absorber.
Proc.SPIE. Vol.8961, Fiber Lasers XI: Technology..., 89612A

Photonics West 2014, San Francisco, USA, 2014.02.01-2014.02.06

7.

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

Influence of pump fiber laser conditions at 1550 nm on broadband infrared supercontinuum generation in all-solid all-normal dispersion photonic crystal fibers.

Proc.SPIE 8964, Nonlinear Frequency Generation and Conversion: Materials, Devices and Applications XIII, 89640P; doi:10.1117/12.2037375

8.

Klimczak Mariusz (ITME), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Bookey H. (Institute of Photonics and Quantum Sciences, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Pysz Dariusz (ITME), Waddie A. (Institute of Photonics and Quantum Sciences, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Stępień Ryszard (ITME), Kar A. (Institute of Photonics and Quantum Sciences, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Taghizadeh M.R. (Institute of Photonics and Quantum Sciences, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Broadband IR supercontinuum generation in hexagonal lattice tellurite photonic crystal fiber dispersion optimized for pumping over 1500 nm.

Proc.SPIE 8964, Nonlinear Frequency Generation and Conversion: Materials, Devices and Applications XIII, 89640V; doi:101117/12.2039979

9.

Soboń G. (Laser&Fiber Electronics Group, Wroclaw University of Technology, Wrocław, Poland), Klimczak Mariusz (ITME), Sotor J. (Laser&Fiber Electronics Group, Wroclaw University of Technology, Wrocław, Poland), Krzempek K. (Laser&Fiber Electronics Group, Wroclaw University of Technology, Wrocław, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Martynkien T. (Wroclaw University of Technology, Institute of Physics, Wrocław, Poland), Dudzik G., Abramski K.M. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Wrocław, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Mid-infrared supercontinuum generation using lead-bismuth-gallium-oxide glass-based photonic crystal fibers pumped at 1560 nm.

Proc.SPIE 8964, Nonlinear Frequency Generation and Conversion: Materials, Devices and Applications XIII, 89640X; doi:101117/12.2040982

European Conference/Workshop on the Synthesis, Characterization and Applications of Graphene, Lanzarote, Spain, 2014.02.18-2014.02.21

10.

Ciuk Tymoteusz (ITME) (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Cakmakyapan S. (Department of Electrical and Electronics Engineering, Department of Physics nanotechnology Research Center, Bilkent University, Ankara, Turkey), Ozbay E. (Department of Electrical and Electronics Engineering, Department of Physics nanotechnology Research Center, Bilkent University, Ankara, Turkey), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Caban Piotr (ITME), Petruk O. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, poland), Strupiński Włodzimierz (ITME)

Transport properties of epitaxial and CVD graphene on SiC.

Abstract. 1 s., bibliogr.

11.

Soboń G. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Sotor J. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Tarka J. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Bogusławski J. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland), Jagiełło Joanna (ITME), Zdrojek M. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Lipińska Ludwika (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Poland)

Ultrashort optical pulse generation using graphene/chitosan composite.

Abstract. 1., il.

12.

Pasternak Iwona (ITME), Caban Piotr (ITME), Baranowski Jacek (ITME) (Faculty of Physics, Univeristy of Warsaw, Poland), Strupiński Włodzimierz (ITME)

Graphene growth on a Cu substrate under APCVD and LPCVD conditions as a function of hydrocarbon.

Abstract. 1 s., il., bibliogr.

13.

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

Passively mode-locked thulium-doped fiber laser based on CVD graphene/PMMA saturable absorber.

Abstract. 1 s., il.

14.

Krajewska Aleksandra (ITME), Pasternak Iwona (ITME), Caban Piotr (ITME), Strupiński Włodzimierz (ITME)

PMMA-free graphene transferring.

Abstract 1 s., il.

International Conference on Nanotechnology, Nanomaterials & Thin Films for Energy Applications NanoEnergy 2014, London, United Kingdom, 2014.02.19-2014.02.21

15.

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

Li₄Ti₅O₁₂ decorated using graphene oxide as an anode material for LIBs - synthesis and studies.

Abstract. 1 s.

16.

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

Structural, morphological and electrochemical studies of LiMn₂O₄ coated Al₂O₃ grains.

Abstract. 2 s., bibliogr.

Americal Physical Society March Meeting 2014, Denver, USA, 2014.03.03-2014.03.07

17.

Zhao L. (CCNY), Deng H. (CCNY), Secor J. (CCNY), Konczykowski M. (Ecole Polytechnique), Hruban Andrzej (ITME), Krusin-Elbaum L. (CCNY)

Compensation of intrinsic charge carriers in topological insulators using high energy electron beams.

Bulletin of the APS. Vol.59, nr 1, s.1

Seminarium Fizyki Ciała Stałego, Warszawa, Polska, 2014.03.14-2014.03.14

18.

Ciuk Tymoteusz (ITME)

Rola morfologii powierzchni SiC w anizotropii przewodnictwa w grafenie epitakcjonalnym.

Danmarks Tekniske Universitet, Kopenhaga, Dania, 2014.03.26-2014.03.27

19.

Buczyński Ryszard (ITME)

Supercontinuum generation in microstructured fibers made of heavy metal oxide glass.

Abstract. 1 s.

International Conference of Computational Methods in Sciences and Engineering 2014, Athens, Greece, 2014.04.04-2014.04.07

20.

Wejrzanowski T. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland), Grybczuk M. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland), Tymicki Emil (ITME), Kurzydłowski J. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland)

Numerical design of SiC bulk crystal growth for electronic applications.

Book series: AIP Conference Proc. Vol.1618, s. 855-858, il., bibliogr.

Photonics Europe, Brussels, Belgia, 2014.04.14-2014.04.17

21.

Pawlak Dorota (ITME), Gajc Marcin (ITME), Sadecka Katarzyna (ITME), Korzeb Karolina (ITME), Osewski Paweł (ITME), Kłos Andrzej (ITME), Surma Barbara (ITME), Belardini A. (Univ. degli Studi di Roma La Sapienza, Italy), Leahu G. (Univ. degli Studi di Roma La Sapienza, Italy), Sibilica C. (Univ. degli Studi di Roma La Sapienza, Italy)

Advances in bottom-up crystal growth-based approach towards plasmonic materials and metamaterials.

25th International Symposium on Space Terahertz Technology, Moscow, Russia, 2014.04.27-2014.04.30

22.

Krause S. (Group for Advanced Receiver Development (GARD) at Chalmers University of Technology, Gothenburg, Sweden), Desmaris V. (Group for Advanced Receiver Development (GARD) at Chalmers University of Technology, Gothenburg, Sweden),

Meledin D. (Group for Advanced Receiver Development (GARD) at Chalmers University of Technology, Gothenburg, Sweden), Belitsky V. (Group for Advanced Receiver Development (GARD) at Chalmers University of Technology, Gothenburg, Sweden), Rudziński Mariusz (ITME), Pippel E. (Max Planck Institute of Microstructure Physics Halle/Saale, Germany)

Deposition of high-quality ultra-thin NbN films at ambient temperatures.
Programm and Abstract Book. s.90, bibliogr.; Abstract. s.139-140, il., bibliogr.

4th editon of the largest European Event in Graphene, Toulouse, France, 2014.05.06-2014.05.09

23.

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

Reduction of graphene oxide layers printed on different substrates.
Abstract. 2 s., il., bibliogr.

24.

Pasternak Iwona (ITME), Jakiela Rafał (ITME) (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Gawlik Grzegorz (ITME), Strupiński Włodzimierz (ITME)

Graphene growth on bronze substrates.
Abstract. 1 s., il.

25.

Własny I. (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), Kowalczyk P.J. (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), Dąbrowski Paweł (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. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland)

Graphene printing for flexible electronics.
Abstract. 1 s.

**37th International Spring Seminar on Electronics Technology, Dresden, Germany,
2014.05.07-2014.05.11**

26.

Szałapak J. (Faculty of Mechatronics, Warsaw University of Technology, Poland), Gadoś A. (Faculty of Mechatronics, Warsaw University of Technology, Poland), Kiełbasiński Konrad (ITME), Młodziak Anna (ITME), Krzemiński J. (Faculty of Mechatronics, Warsaw University of Technology, Poland), Teodorczyk Marian (ITME), Kowaluk T. (Faculty of Mechatronics, Warsaw University of Technology, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Poland)

Nanosilver sintered joints on elastic substrates.

Proc. of the 37th International Spring...s.104-108, il., bibliogr.

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), Młodziak Anna (ITME), Jakubowska Małgorzata (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, poland)

Electroluminescent structures with nanomaterials for direct printing of interactive packages and labels.

Proc.of the 37th International Spring... s.357-360, il., bibliogr.

XXIII Poznańskie Konwersatorium Analityczne - "Nowoczesne metody przygotowania próbek i oznaczania śladowych ilości pierwiastków", Poznań, Polska, 2014.05.08-2014.05.09

28.

Zalewska Izabela (ITME), Karaś Agata (ITME), Michalska Monika (ITME), Sokołowska Wanda (ITME)

Metody spektroskopowe (ICP-OES i FAAS) w kontroli procesu technologicznego wprowadzania La i Ce do LiMn_2O_4 .

Abstrakt. 1 s., bibliogr.

XI Warszawskie Seminarium Doktorantów Chemików, Warszawa, Polska, 2014.05.16-2014.05.16

29.

Ostrowska Justyna (ITME) (Politechnika Warszawska, Wydział Chemiczny), Michalska Monika (ITME), Ziółkowska D. (Uniwersytet Warszawski, Wydział Fizyki), Lipińska Ludwika (ITME)

Wpływ dodatku soli LiBOB na właściwości elektrochemiczne grafenu do zastosowań w bateriach litowych.

Abstrakt. 1 s., il., bibliogr.

The 5th International Conference on Metamaterials, Photonic Crystals and Plasmonics, Denmark, 2014.05.20-2014.05.23

30.

Pawlak Dorota (ITME), Gajc Marcin (ITME), Korzeb Karolina (ITME), Osewski Paweł (ITME), Kłos Andrzej (ITME), Surma Barbara (ITME), Belardini A. (Univ. degli Studi di Roma La Sapienza, Italy), Leahu G. (Univ. degli Studi di Roma La Sapienza, Italy), Sibilia C. (Univ. degli Studi di Roma La Sapienza, Italy)

Bottom-up crystal-growth-based manufacturing of bulk nanoplasmonic materials and metamaterials.

Conference/Centre Scientifique de l'Academie Polonaise des Sciences, Paris, France, 2014.05.23-2014.05.23

31.

Jeleński Andrzej (ITME)

Czochralski aujourd'hui-materiaux et technologies d'aujourd'hui et de demain a ITME.

23rd International Conference on the Application of Accelerators in Research and Industry, San Antonio, USA, 2014.05.25-2014.05.30

32.

Turos Andrzej (ITME)

Radiation defects in nanoscale: the case of compound materials.

Abstract. 1 s.

Central European School on Physical Organic Chemistry, Przesieka, Polska, 2014.05.26-2014.05.30

33.

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Korzeb Karolina (ITME), Osewski Paweł (ITME), Kłos Andrzej (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)

Novel hybrid materials for photonics manufactured by crystal growth methods.

International Conference on Oxide Materials for Electronic Engineering, Lviv, Ukraine, 2014.05.26-2014.05.30

34.

Suchocki A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Institute of Physics, University of Bydgoszcz, Poland), Przybylińska H. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Wittilin A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Cardinal Stefan Wyszyński University, Warszawa, Poland), Berkowski M. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Ma C.G. (College of Mathematics and Physics, Chongqing University of Posts and Telecommunications, PR, China), Brik M.G. (Institute of Physics, University of Tartu, Estonia), Kamińska A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Sybilski P. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Zorenko Y. (Institute of Physics, University of Bydgoszcz, Poland; Department of Electronics Ivan Franko National University of Lviv, Ukraine), Nikl M. (Institute of Physics AS CR, Prague, Czech Republic), Gorbenko V. (Institute of Physics, University of Bydgoszcz, Poland; Department of Electronics Ivan Franko National University of Lviv, Ukraine), Kućera M.,

Wajler Anna (ITME), Malinowski M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland)

Ce³⁺ multicolors in selected garnets, perovskites and glasses.
Abstract. s.125-126, il., bibliogr.

Seminarium - Wydział Elektroniki i Informatyki, Politechnika Koszalińska, Koszalin, Polska, 2014.05.30-2014.05.30

35.

Rudziński Mariusz (ITME)

Struktury półprzewodnikowe wytwarzane na bazie związków AIII-BN metodą MOCVD.

8th International Conference on Microwave Materials and their Applications, Boise, USA, 2014.06.01-2014.06.04

36.

Słoma Marcin (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Poland), Krzmacz M.M. (Advanced Materials Department, Jozef Stefan Institute, Ljubljana, Slovenia), Teirikangas M. (Microelectronics and Materials Physics Laboratories, University of Oulu, Oulu, Finland), Zwierkowska Elżbieta (ITME), Nelo M. (Microelectronics and Materials Physics Laboratories, University of Oulu, Oulu, Finland), Dybowska Łucja (ITME), Suvorov D. (Advanced Materials Department, Jozef Stefan Institute, Ljubljana, Slovenia), Jakubowska Małgorzata (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Poland), Jantunen H. (Advanced Materials Department, Jozef Stefan Institute, Ljubljana, Slovenia)

Influence of particle shape on electric properties of printed dielectric layers.

43 rd "Jaszowiec" International School and Conference on the Physics of Semiconductors, Wisła, Poland, 2014.06.07-2014.06.12

37.

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. (Instytut Fizyki Doświadczalnej UW)

Bi₂Te₂Se - promising material for topological insulators.
Abstract. TuP38, s.165, bibliogr.

38.

Kiedraszuk 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), Wyszko A. (Faculty of Physics, University of Warsaw, Poland), Korona K. (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), Żytkiewicz Z.R. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland)

Optical and electrical studies of graphene deposited on GaN nanowires.
Abstract. 1 s., il.

39.

Sahin D.R. (Faculty of Physics, University of Warsaw, Poland), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME), Korona K.P. (Faculty of Physics, University of Warsaw, Poland)

Optical properties of lithium oxide nanocrystals.

Abstract. 1 s., il.

40.

Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Jasiński J.B. (Conn Center for Renewable Energy Research, University of Louisville, KY, USA), Michalska Monika (ITME), Korona K.P. (Faculty of Physics, University of Warsaw, Poland), Lipińska Ludwika (ITME), Kamińska M. (Faculty of Physics, University of Warsaw, Poland)

Properties of novel graphene oxide/lithium manganese oxide nanocomposites annealed in high vacuum.

Abstrakr. 1 s., il., bibliogr

13th International Ceramic Congress, Montecatini Terme, Italy, 2014.06.08-2014.06.13

41.

Jach Katarzyna (ITME), Sidorowicz Agata (ITME), Wajler Anna (ITME), Węglarz Helena (ITME), Brykała Urszula (ITME)

Surface modification of ceramic materials to improve their wettability by metal.

Abstract. 1 s.

42.

Strojny-Nędzia Agata (ITME), Pietrzak Katarzyna (ITME), Chmielewski Marcin (ITME), Jach Katarzyna (ITME)

Al₂O₃ preforms with gradient porosity for brake disk application.

43.

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

Preparation and study of optical properties of transparent thulium doped yttrium-aluminium garnet ceramic (Tm:YAG).

Abstract. 1 s.

44.

Tomaszewski Henryk (ITME), Wajler Anna (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME), Brykała Urszula (ITME), Jach Katarzyna (ITME)

Effect of ammonium sulfate on morphology of Y₂O₃ nanopowders obtained by precipitation and its impact on the transparency of YAG ceramics.

45.

Wajler Anna (ITME), Sidorowicz Agata (ITME), Węglarz Helena (ITME), Brykała Urszula (ITME), Jach Katarzyna (ITME)

Freeze-granulation of nanometric and submicronic barium titanate powders.

Abstract. 1 s.

XIII Krajowa Konferencja Elektroniki, Darłówko Wschodnie, Polska, 2014.06.09-2014.06.13

46.

Ciuk Tymoteusz (ITME) (Instytut Mikroelektroniki i Optoelektroniki, Politechnika Warszawska), Cakmakyapan S. (Department of Electrical and Electronics Engineering, Department of Physics, nanotechnology Research Center, Blikent University, Ankara, Turcja), Ozbay E. (Department of Electrical and Electronics Engineering, Department of Physics, nanotechnology Research Center, Blikent University, Ankara, Turcja), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Instytut Optoelektroniki, WAT, Warszawa), Caban Piotr (ITME), Petruk O. (Instytut Metrologii i Inżynierii Biomedycznej, Politechnika Warszawska), Szewczyk R. (Instytut Metrologii i Inżynierii Biomedycznej, Politechnika Warszawska), Szmidt J. (Instytut Mikroelektroniki i Optoelektroniki, Politechnika Warszawska), Strupiński Włodzimierz (ITME)

Własności transportowe grafenu epitaksjalnego i CVD na SiC.

Abstrakt. 1 s.

47.

Dobrzański Lech (ITME), Strupiński Włodzimierz (ITME), Gierałtowska S. (Instytut Fizyki PAN, Warszawa), Stankiewicz Rafał (ITME), Góra Krzysztof (ITME), Kozłowski Andrzej (ITME), Stańczyk Beata (ITME), Gryglas-Borysiewicz M. (Instytut Fizyki Doświadczalnej UW, Warszawa)

Elektroniczne przyrządy z grafenu.

Abstrakt. 1 s., il.

48.

Gawlik Grzegorz (ITME)

Zastosowanie grafenu jako warstwy grzejącej w urządzeniach optycznych.

Abstrakt. 1 s.

49.

Jakubowska Małgorzata (ITME) (Politechnika Warszawska, Wydział Mechatroniki, Instytut Metrologii i Inżynierii Biomedycznej), Słoma Marcin (ITME) (Politechnika Warszawska, Wydział Mechatroniki, Instytut Metrologii i Inżynierii Biomedycznej), Wróblewski G. (Politechnika Warszawska, Wydział Mechatroniki, Instytut Metrologii i Inżynierii Biomedycznej), Młóżniak Anna (ITME), Janczak D. (Politechnika Warszawska, Wydział Mechatroniki, Instytut Metrologii i Inżynierii Biomedycznej), Dybowska Łucja (ITME) (Politechnika Warszawska, Wydział Mechatroniki, Instytut Metrologii i Inżynierii Biomedycznej), Kielbasiński Konrad (ITME), Zwierkowska Elżbieta (ITME)

Badania kompozytowych warstw grafenowych dla zastosowań elektronicznych.

Abstract. 1 s.

50.

Judek J. (Wydział Fizyki, Politechnika Warszawska), Strupiński Włodzimierz (ITME), Zdrojek M. (Wydział Fizyki, Politechnika Warszawska)

Szybki detektor grafenowy na zakres średniej podczerwieni.

Abstrakt. 1 s.

51.

Kasztelanic R. (Wydział Fizyki, Uniwersytet Warszawski), Buczyński R. (Wydział Fizyki, Uniwersytet Warszawski), Cimek J. (Wydział Fizyki, Uniwersytet Warszawski), Kujawa Ireneusz (ITME), Stępień Ryszard (ITME), Kozłowska Anna (ITME), Małag Andrzej (ITME), Waddie A.J. (School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Taghizadeh M. (School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK)

Hot embossing method for development of soft glass microoptic components with broadband infrared transmission.

Abstract. 7 s., il., bibliogr.

52.

Kaźmierczak P. (Instytut Fizyki Doświadczalnej, Wydział Fizyki Uniwersytetu Warszawskiego), Binder J. (Instytut Fizyki Doświadczalnej, Wydział Fizyki Uniwersytetu Warszawskiego), Boryczko K. (Instytut Fizyki Doświadczalnej, Wydział Fizyki Uniwersytetu Warszawskiego), Stępniewski R. (Instytut Fizyki Doświadczalnej, Wydział Fizyki Uniwersytetu Warszawskiego), Strupiński Włodzimierz (ITME), Wysmołek A. (Instytut Fizyki Doświadczalnej, Wydział Fizyki Uniwersytetu Warszawskiego)

Procesy transferu ładunku elektrycznego przy przepływie cieczy polarnej nad grafenem.

Abstrakt. 1 s.

53.

Klusek Z. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Rogala M. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Własny I. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Kowalczyk P. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Busiakiewicz A. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Krucińska I. (Wydział Technologii Materiałowych i Wzornictwa Tekstyliów, Politechnika Łódzka), Skrzetuska E. (Wydział Technologii Materiałowych i Wzornictwa Tekstyliów, Politechnika Łódzka), Puchalski M. (Wydział Technologii Materiałowych i Wzornictwa Tekstyliów, Politechnika Łódzka), Lipińska Ludwika (ITME), Strupiński Włodzimierz (ITME), Jagiełło Joanna (ITME), Aksienionek Magdalena (ITME), Krajewska Aleksandra (ITME), Sieradzki Z. (Towarzystwo Elektrotechnologiczne QWERTY Sp. zo.o., Łódź)

Atramenty grafenowe dla drukowanej elektroniki. Metody charakteryzacji wydruków w skali globalnej (RS, XPS) i lokalnej (NC-AFM).

Abstrakt. 2 s., il.

54.

Lipińska Ludwika (ITME)

Tlenek grafenu - tajemniczy przedstawiciel grafenu płatkowego. Właściwości i zastosowania.

Abstrakt. 1 s.

55.

Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Instytut Optoelektroniki, WAT, Warszawa), Jóźwik-Biała Iwona (ITME), Ciuk Tymoteusz (ITME), Baranowski Jacek (ITME) (Wydział Fizyki, Uniwersytet Warszawski), Strupiński Włodzimierz (ITME)

Synteza właściwości oraz metody przenoszenia grafenu otrzymywanego na podłożach metalicznych metodą CVD.

56.

Pietrzak Katarzyna (ITME), Gładki Andrzej (ITME)

Kompozyty Cu-C z około progowymi koncentracjami perkolacyjnymi zredukowanego tlenku grafenu i nanorurek węglowych.

Abstrakt. 1 s.

57.

Skibiński J. (Wydział Inżynierii Materiałowej, Politechnika Warszawska), Wejrzanowski T. (Wydział Inżynierii Materiałowej, Politechnika Warszawska), Caban Piotr (ITME)

Symulacje numeryczne wzrostu epitaksjalnego w reaktorze MOVPE jako narzędzie optymalizacji procesu wytwarzania azotku aluminium.

Abstrakt. 1 s.

58.

Soboń G. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska), Sotor J. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska), Tarka J. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska), Bogusławski J. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Jagiełło Joanna (ITME), Koziński Rafał (ITME), Librant Krzysztof (ITME), Lipińska Ludwika (ITME), Abramski K.M. (Grupa Elektroniki Laserowej i Światłowodowej, Politechnika Wrocławska)

Ultraszybkie lasery światłowodowe na bazie grafenu.

Abstrakt. 1 s.

59.

Strupiński Włodzimierz (ITME)

Lasery QCL w technologii MOCVD.

Abstrakt. 1 s.

60.

Strupiński Włodzimierz (ITME)

Właściwości grafenu.

Abstrakt. 1 s.

X Ogólnopolskie Seminarium Spektroskopii Mössbauerowskiej, Wrocław, Polska, 2014.06.15-2014.06.18

61.

Grabias Agnieszka (ITME), Kopcewicz Michał (ITME), Kuryliszyn-Kudelska I. (Instytut Fizyki PAN, Warszawa, Polska), Arciszewska M. (Instytut Fizyki PAN, Warszawa, Polska), Stobiński L. (Instytut Chemii Fizycznej PAN, Warszawa, Polska), Dobrowolski W. (Instytut Fizyki PAN, Warszawa, Polska)

Wpływ domieszkowania żelazem na strukturę i własności magnetyczne nanokryształów ZrO₂ badany metodą spektroskopii mössbauerowskiej.

12th International School and Symposium on Synchrotron Radiation in Natural Science, Warszawa, Poland, 2014.06.15-2014.06.20

62.

Wierzchowski Wojciech (ITME), Wieteska K. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Sobierajski R. (Polish Academy of Sciences, Institute of Physics, Warszawa, Poland), Klinger D. (Polish Academy of Sciences, Institute of Physics, Warszawa, Poland), Pełka J. (Polish Academy of Sciences, Institute of Physics, Warszawa, Poland), Żymierska D. (Polish Academy of Sciences, Institute of Physics, Warszawa, Poland), Paulmann C. (DESY HASYLAB, Hamburg, Germany)

Synchrotron topographic evaluation of strain around craters generated by irradiation with x-ray pulses from free electron laser with different intensities.

Abstract. 1 s., il., bibliogr.

Symposium - Obchody Międzynarodowego Roku Krystalografii w Instytucie Fizyki Uniwersytetu Śląskiego, Katowice, Polska, 2014.06.17-2014.06.17

63.

Sadecka Katarzyna (ITME)

Samorganizujące się struktury eutektyczne dla fotoniki.

27th International Conference on Electrical Contacts, Dresden, Germany, 2014.06.22-2014.06.26

64.

Borkowski P. (Department of Electrical Apparatus, Lodz of University of Technology, Poland), Walczuk E. (Department of Electrical Apparatus, Lodz of University of Technology, Poland), Frydman Krystyna (ITME), Wójcik-Grzybek Danuta (ITME)

The aging of the power contacts caused by switching current.

Mater.Konfer. s. 207-212, il., bibliogr.

X International Conference Ion Implantation and Other Applications of Ions and Electrons, Kazimierz Dolny, Poland, 2014.06.23-2014.06.26

65.

Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Gawlik Grzegorz (ITME), Józwiak-Biała Iwona (ITME), Panczer G. (Institut Lumiere Matiere, Universite de Lyon, France), Moncoffre N. (Institute de Physique Nucleaire Lyon, France), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Świrkowicz Marek (ITME), Thome L. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, Universite Paris-Sud, Orsay Cedex)

Ionoluminescence analysis of irradiated oxides. Case study of powellite.

Abstract. 1 s.

X International Conference Ion Implantation and Other Applications of Ions and Electrons, Kazimierz Dolny, Poland, 2014.06.23-2014.06.26

66.

Józwiak Przemysław (ITME) (National Centre for Nuclear Research, Świerk, Poland), Turoś Andrzej (ITME) (National Centre for Nuclear Research, Świerk, Poland), Jagielski Jacek

(ITME) (National Centre for Nuclear Research, Świerk, Poland), Thome L. (Centre de Sciences Nucleaires de Matiere, Orsay, France)

Mechanism of damage buildup in ion bombarded compound single crystals.
Abstract. 1 s.

Graphene Week 2014, Goteborg, Sweden, 2014.06.23-2014.06.27

67.

Aksienionek Magdalena (ITME), Łepecki Michał (ITME), Natarajan Sathish (ITME), Lipińska Ludwika (ITME)

Combined liquid phase and thermal exfoliation of graphite to graphene ribbons.
Abstract. 1 s., il., bibliogr.

68.

Ciuk Tymoteusz (ITME) (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Cakmakyapan S. (Department of Electrical and Electronics Engineering, Department of Physics nanotechnology Research Center, Bilkent University, Ankara, Turkey), Ozbay E. (Department of Electrical and Electronics Engineering, Department of Physics nanotechnology Research Center, Bilkent University, Ankara, Turkey), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronic, Military University of Technology, Warszawa, Poland), Caban Piotr (ITME), Petruk O. (Institute of Metrology and Biomedical Engineering Warsaw University of Technology, Warszawa, Poland), Strupiński Włodzimierz (ITME)

Transport properties of epitaxial and CVD graphene on SiC.
Abstract. 1 s. bibliogr.

69.

Pasternak Iwona (ITME), Krajewska Aleksandra (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Józwick-Biała Iwona (ITME), Sobczak K. (Institute of Physics Polish Academy of Sciences, Warszawa, Poland), Strupiński Włodzimierz (ITME)

Frame method for graphene films transferring.
Abstract. 1 s., il.

70.

Rogała M. (Faculty of Physics and Applied Informatics, University of Lodz, Poland), Własny I. (Faculty of Physics and Applied Informatics, University of Lodz, Poland), Kowalczyk P.J. (Faculty of Physics and Applied Informatics, University of Lodz, Poland), Busiakiewicz A. (Faculty of Physics and Applied Informatics, University of Lodz, Poland), Kozłowski W. (Faculty of Physics and Applied Informatics, University of Lodz, Poland), Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Aksienionek Magdalena (ITME), Strupiński Włodzimierz (ITME), Dąbrowski Paweł (ITME), Sieradzki Z. (Elcetrotechnological 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 Physics and Applied Informatics, University of Lodz, Poland)

Graphene oxide overprints for flexible and transparent electronics.
Abstract. 1 s., il.

71.

Sotor J. (Laser&Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Soboń G. (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)

Passive synchronization of mode-locked thulium - and erbium-doped fiber lasers by common graphene saturable absorber.

72.

Własny I. (Faculty of Physics and Applied Informatics, University of Lodz, Poland), Dąbrowski Paweł (ITME), Rogala M. (Faculty of Physics and Applied Informatics, University of Lodz, Poland), Kowalczyk J. (Faculty of Physics and Applied Informatics, University of Lodz, Poland), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME)

The liminations of graphene coating single- and polycrystalline copper.

The European Conference Physics of Magnetism 2014, Poznań, Poland, 2014.06.23-2014.06.27

73.

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, Poznań, Poland), Kinzhybalo V. (Institute of Low Temperature and Structure Research PAS, Wrocław, Poland), Idzikowski B. (Institute of Molecular Physics PAS, Poznań, Poland)

Structure and magnetic properties 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. Abstract. s .227

74.

Śniadecki Z. (Institute of Molecular Physics, PAS, Poznań), Kopcewicz Michał (ITME), Pierunek N. (Institute of Molecular Physics, PAS, Poznań), Puźniak R. (Institute of Physics, PAS, Warszawa, Poland), Wiśniewski A. (Institute of Physics, PAS, Warszawa, Poland), Idzikowski B. (Institute of Molecular Physics, PAS, Poznań)

Mossbauer spectroscopy investigation of $\text{YFe}_x\text{Co}_{2-x}$ ($x=0.03$ and 1) compounds. Abstract. s. 208, bibliogr.

"Zagrożenia Środowiska i Ich Następstwa" pod Honorowym Patronatem Prezydenta Rzeczypospolitej Polskiej Bronisława Komorowskiego, Mądralin, Polska, 2014.06.25-2014.06.26

75.

Jeleński Andrzej (ITME), Kubacki R. (WAT)

Promieniowanie elektromagnetyczne: Zagrożenia i granice bezpieczeństwa. Tezy referatów. s 29-30

11th International Symposium on Systems with Fast Ionic Transport, Gdańsk-Sobieszewo, Poland, 2014.06.25-2014.06.29

76.

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

Influence of complexing agents on structural, morphological and electrochemical properties of LiMn_2O_4 produced by modified sol-gel method.

Abstract. 1 s.

77.

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

$\text{Li}_4\text{Ti}_5\text{O}_{12}$ /graphene oxide as an anode material in lithium-ion batteries.

Abstract. 1 s., bibliogr.

78.

Lipińska Ludwika (ITME), Michalska Monika (ITME), Aksienionek Magdalena (ITME), Jasiński J.B. (Conn Center for Renewable Energy Research, University of Louisville, KY, USA), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Korona K.P. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland)

Novel ex-situ synthesis of LMO/graphene composites as cathode materials for LIBs.

Abstract. 1 s., bibliogr.

79.

Klenushkin A. (Southern Federal University, Department of Chemistry, Rostov-on-Don, Russia), Michalska Monika (ITME), Medvedev B. (Southern Federal University, Department of Chemistry, Rostov-on-Don, Russia), Kabirov Y. (Southern Federal University, Physics Department, Rostov-on-Don, Russia)

Core@shell composites as cathode materials for lithium batteries.

Abstract. 1 s., bibliogr.

5th International Conference on Advanced Nanomaterials, Aveiro, Portugal, 2014.07.02-2014.07.04

80.

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

Thulium oxide nanopowders obtained by precipitation method.
Abstract. 1 s., il.

81.

Teklińska Dominika (ITME) (Warsaw University of Technology, Warszawa, Poland),
Olszyna A. (Warsaw University of Technology, Warszawa, Poland), Strupiński Włodzimierz
(ITME)

Correlation between growth temperature of 3C-SiC layers deposited on Si substrates and
their morphology.

Abstract. 1 s., il.

82.

Wajler Anna (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME) (Faculty of
Materials Science and Engineering, Warsaw University of Technology, Poland), Brykała
Urszula (ITME), Jach Katarzyna (ITME), Tomaszewski Henryk (ITME)

Influence of freeze granulation parameters and ceramic nanopowders slurries composition
on internal structure of granules.

Abstract. 1 s. il.

83.

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

Hydrothermal synthesis of barium titanate nanoparticles.

Abstract. 1 s., il., bibliogr.

**16th International Conference on Transparent Optical Networks, Graz, Austria,
2014.07.06-2014.07.10**

84.

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

Supercontinuum generation in microstructured fibers made of heavy metal oxide glass.

Mater.Konfer. 4 s., il., bibliogr

85.

Cimek Jarosław (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland),
Stępień Ryszard (ITME), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of
Physics, Warszawa, Poland), Pietrzyk Izabela (ITME) (University of Warsaw, Faculty of
Physics, Warszawa, Poland), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME)
(University of Warsaw, Faculty of Physics, Warszawa, Poland)

Optimization of glass properties for all solid photonic crystal fibers.

Abstract. 4 s., il., bibliogr.

11th International Conference on Nanosciences & Nanotechnologies, Thessaloniki, Greece, 2014.07.08-2014.07.11

86.

Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Jasiński J. (Conn Center for Renewable Energy Research, University of Louisville, KY, USA), Michalska Monika (ITME), Korona K.P. (Faculty of Physics, University of Warsaw, Poland), Lipińska Ludwika (ITME), Kamińska M. (Faculty of Physics, University of Warsaw, Poland)

In situ TEM annealing of novel graphene oxide/manganese oxides hollow sphere nanocomposites for lithium ion batteries applications.

Abstract. 1 s., bibliogr

Seventh International Meeting on Recent Developments in the Study of Radiation Effects in Matter, Budapeszt, Węgry, 2014.07.08-2014.07.13

87.

Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Gawlik Grzegorz (ITME), Józwick-Biała Iwona (ITME), Panczer G. (Institut Lumiere Matiere, Universite Lyon, France), Moncoffre N. (Institute de Physique Nucleaire Lyon, France), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Świrkowicz Marek (ITME), Thome L. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, Universite Paris-Sud, Orsay Cedex, France)

Ionoluminescence analysis of irradiated powellite.

Abstract. 1 s.

88.

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

Mechanism of damage buildup in ion bombarded compound single crystal.

Abstract. 1 s.

17th International Conference on Metalorganic Vapor Phase Epitaxy, Lausanne, Switzerland, 2014.07.13-2014.07.18

89.

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

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

Abstract 1 s., il., bibliogr.

90.

Camak H. (Nanotechnology Research Center, Bilkent University, Turkey), Rudziński Mariusz (ITME), Demirel P. (Nanotechnology Research Center, Bilkent University, Turkey), Strupiński Włodzimierz (ITME), Ozbay E. (Nanotechnology Research Center, Bilkent University, Turkey; Department of Physics, Bilkent University, Turkey; Department of Electrical and Electronics Engineering, Bilkent University, Turkey)

The growth and characterization of In rich InGaN solar cell epitaxial structures by MOVPE.
Abstract. 2 s., il., bibliogr.

91.

Caban Piotr (ITME) (Epi-Lab sp. z o.o., Warszawa, Poland), Rudziński Mariusz (ITME) (Epi-Lab sp. z o.o., Warszawa, Poland), Wójcik Marek (ITME), Gaca Jarosław (ITME), Strupiński Włodzimierz (ITME) (Epi-Lab sp. z o.o., Warszawa, Poland)

Growth of aluminium nitride with linear change of V/II ratio.
Proc. of ICMOVPE XVII. s. 1, bibliogr

23rd Annual International Laser Physics Workshop, Sofia, Bulgaria, 2014.07.14-2014.07.18

92.

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

Role of Raman scattering in NIR supercontinuum formation in all-normal dispersion soft glass photonic crystal fibers in the sub-picosecond pump regime.

8th International Conference on Physics and Applications of Spin Phenomena in Solids, Washington, USA, 2014.07.28-2014.07.31

93.

Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Karpierz E. (Faculty of Physics, University of Warsaw, Poland; Faculty of Chemistry, Warsaw University of Technology, Warszawa, 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), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME)

Microwave contactless measurements of weak localization effects in graphene after immersion in ionic solution.

Abstract. 1 s.

94.

Wołoś A. (Institute of Physics, Polish Academy of Science, Warszawa, Poland; Faculty of Physics, University of Warsaw, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Staszkievicz K. (Faculty of Physics, University of Warsaw, Poland), Strzelecka Stanisława (ITME), Hruban Andrzej (ITME), Materna Andrzej (ITME), Piersa Mirosław (ITME)

Mn in Bi₂Se₃ topological insulator.
Abstract. 1 s., bibliogr.

Microscopy&Microanalysis 2014, Hartford, USA, 2014.08.02-2014.08.09

95.

Jóźwik-Biała Iwona (ITME), Grodecki Kacper (ITME) (Faculty of Physics, University of Warsaw, Warszawa, Poland), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, WAT, Warszawa, Poland)

Low-kV SEM imaging of epitaxial graphene grown on various substrates.
Abstract. 2 s., il., bibliogr.

Part of SPIENanoScience+Engineering, San Diego, USA, 2014.08.17-2014.08.21

96.

Pawlak Dorota (ITME), Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Korzeb Karolina (ITME), Osewski Paweł (ITME), Kłos Andrzej (ITME), Surma Barbara (ITME), Belardini A. (Univ. degli Studi di Roma La Sapineza, Italy), Leahu G. (Univ. degli Studi di Roma La Sapineza, Italy), Sibila C. (Univ. degli Studi di Roma La Sapineza, Italy)

Manufacturing of bulk nanoplasmonic materials and metamaterials by micro-pulling down method.

MPNS COST Action Training School - MP1205PolyNano, Lyngby, Dania, 2014.08.18-2014.08.29

97.

Siwicki Bartłomiej (ITME)

Designing and fabrication of all-solid photonic crystal fiber for all-normal dispersion supercontinuum generation.

14th International Seminar on Elastomers, Bratislava, Slovakia, 2014.08.24-2014.08.28

98.

Siciński M. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Lodz University of Technology, Poland), Gozdek T. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Lodz University of Technology, Poland), Bieliński D.M. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Lodz University of Technology, Łódź, Poland; Institute for Engineering Materials and Dyes, Division of Elastomers and Rubber Technology, Piastów, Poland), Szymanowski H. (Institute of Materials Engineering, Faculty of Mechanical Engineering, Lodz of Technology, Łódź, Poland), Kleczewska J. (Institute of Polymers and Dyes Technology, Faculty of Chemistry, Lodz University of Technology, Poland), Piątkowska Anna (ITME)

Advanced plasma-modified fillers for rubber composites.
Book of Abstracts. s.81

8th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics - Metamaterials, Copenhagen, Denmark, 2014.08.25-2014.08.30

99.

Kłos Andrzej (ITME), Gajc Marcin (ITME), Turczyński Sebastian (ITME), Gawlik Grzegorz (ITME), Mrozek M. (Centre for Magneto-Optical Research, Department of Photonics, Institute of Physics, Jagiellonian University, Kraków, Poland), Belotelov V.I. (Russian Quantum Center, Moscow, Russia; Lomonosov Moscow State University, Moscow, Russia),

Bezus E.A. (Image processing Systems Institute of the Russian Academy of Sciences, Samara, Russia), Pawlak Dorota (ITME)

Strongly-enhanced Faraday effect in a self-organized $Tb_3Se_2Al_3O_{12}$ - $TbSeO_3$ eutectic. Abstract. 3 s. il., bibliogr.

8th International Congress on Advances Electromagnetic Materials in Microwaves and Optics - Metamaterials 2014, Copenhagen, Denmark, 2014.08.25-2014.08.30

100.

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Surma Barbara (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 Preprocessing Group, Instituto de Optica, Madrid, Spain), Pawlak Dorota (ITME)

Novel eutectic nanoparticle-based composite - plasmonic properties and applications. Abstract. 1 s., il., bibliogr.

65th Annual Meeting of the International Society of Electrochemistry, Lausanne, Switzerland, 2014.08.31-2014.09.05

101.

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

Electrochemical properties of modified lithium manganese oxide of spinel structure. Abstract. 1 s., bibliogr.

2nd International Symposium on Optics and its Applications, Yerevan-Ashtarak, Armenia, 2014.09.01-2014.09.09

102.

Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Klimczak Mariusz (ITME), Siwicki Bartłomiej (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Skibiński P. (Institute of Physical Chemistry, PAS, Warszawa, Poland), Pysz Dariusz (ITME), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Heidt A. (Optoelectronics Research Centre, University of Southampton, United Kingdom), Radzewicz C. (University of Warsaw, Faculty of Physics, Warszawa, Poland), Stępień Ryszard (ITME)

Optimisation of supercontinuum generation in all-solid soft glass photonic crystal fibers with flat all-normal dispersion.

Abstract. 2 s.

Polska Ceramika 2014 - VIII Międzynarodowa Konferencja Naukowo-Techniczna, Kraków, Polska, 2014.09.07-2014.09.10

103.

Boniecki Marek (ITME), Jach Katarzyna (ITME), Librant Zdzisław (ITME), Wesołowski Władysław (ITME), Węglarz Helena (ITME), 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 .

104.

Brykała Urszula (ITME), Jach Katarzyna (ITME), Węglarz Helena (ITME), Diduszko Ryszard (ITME), Orliński Krzysztof (ITME)
Proszki cyrkonianu gadolinu otrzymywane metodą współstrącania.
Streszczenia. s.135

105.

Jach Katarzyna (ITME), Sidorowicz Agata (ITME), Teklińska Dominika (ITME), Romaniec Magdalena (ITME)
Osadzanie cienkich warstw metalicznych na powierzchni tworzyw ceramicznych.
Abstrakt. 1 s.

106.

Wajler Anna (ITME), Sidorowicz Agata (ITME) (Politechnika Warszawska), Węglarz Helena (ITME), Kryń K. (Instytut Tele- i Radiotechniczny, Warszawa)
Synteza hydrotermalna nanoproszków tytanianu baru.
Abstrakt. 1 s.

107.

Sidorowicz Agata (ITME) (Warsaw University of Technology, Warszawa, Poland), Węglarz Helena (ITME), Wajler Anna (ITME), Nakielska Magdalena (ITME), Diduszko Ryszard (ITME), Olszyna A. (Warsaw University of Technology, Warszawa, Poland)
Synteza i właściwości luminescencyjne tlenku itru domieszkowanego talem.
Abstract. 1 s.

108.

Węglarz Helena (ITME), Wajler Anna (ITME), Sidorowicz Agata (ITME) (Politechnika Warszawska), Orliński Krzysztof (ITME), Romaniec Magdalena (ITME), Diduszko Ryszard (ITME) (Instytut Tele i Radiotechniczny, Warszawa, Poland), Tomaszewski Henryk (ITME)
Wpływ dodatku siarczanu amonu na morfologię i skład fazowy prekursorów nanoproszków Nd:YAG otrzymanych metodą współstrącania.
Abstrakt. 1 s.

109.

Wajler Anna (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME) (Politechnika Warszawska), Jach Katarzyna (ITME), Brykała Urszula (ITME), Tomaszewski Henryk (ITME)
Wytwarzanie polikrystalicznego, przezroczystego granatu itrowo-glinowego z wykorzystaniem granulacji kriogenicznej.
Abstrakt. 1 s.

18th International Microscopy Congress, Prague, Czech Republic, 2014.09.07-2014.09.12

110.

Andrzejczuk M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Roguska A. (Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland), Hebert C. (Ecole Polytechnique Federale de Lausanne, EPFL, CIME, Lausanne, Switzerland), Michalska Monika (ITME), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland), Lewandowska M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Kurzydłowski K.J. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland)

STEM and EDS studies of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ modified with Ag nanoparticles.

Abstract. 1 s.

XIX Polish-Slovak-Czech Optical Conference on Wave and Quantum Aspects of Contemporary Optics, Wojanów/Jelenia Góra, Poland, 2014.09.08-2014.09.12

111.

Cimek Jarosław (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Stępień Ryszard (ITME), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Pietrzyk Izabela (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Optimization of borosilicate glass properties for ultra-high contrast all-glass microstructures.

Abstract. 1 s.

112.

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

Impact of Raman effects on coherence of supercontinuum in flat normal dispersion photonic crystal fiber under pumping with femtosecond lasers.

Abstract. 1 s.

113.

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

Broadband infrared supercontinuum generation in simulated all-normal all-solid photonic crystal fiber pumped at 1550 nm.

Abstract. 1 s.

114.

Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Swat Michał (ITME) (Institute of Radioelectronics, Warsaw University of Technology, Warszawa, Poland), Kujawa Ireneusz (ITME), Klimczak Mariusz (ITME), Salski B. (Institute of Radioelectronics, Warsaw University of Technology, Warszawa,

Poland), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Analysis of a highly birefringent microstructured fiber with a subwavelength defect in the anisotropic core.

Abstract. 1 s.

57 Zjazd PTChem i SITPChem, Częstochowa, Polska, 2014.09.14-2014.09.18

115.

Królicka Aleksandra (ITME), Hruban Andrzej (ITME), Piersa Mirosław (ITME), Strzelecka Stanisława (ITME), Materna Andrzej (ITME), Dalecki Wojciech (ITME), Orliński Krzysztof (ITME)

N-type PbTe compounds doped with chromium and iodine prepared by ball-milling the polycrystalline material.

Abstract. SM2-K09, s.429

116.

Michalska Monika (ITME), Ziółkowska D. (Physics UW, Warszawa, Poland), Hamankiewicz B. (ICRI, Warszawa, Poland), Krajewski M. (Chemistry UW, Warszawa, Poland), Lipińska Ludwika (ITME), Czerwiński A. (ICRI, Warszawa, Poland; Chemistry UW, Warszawa, Poland)

LiMn₂O₄/CeO₂ as a cathode material for lithium secondary batteries.

Abstract. 1 s.

117.

Michalska Monika (ITME), Ziółkowska D. (Physics UW, Warszawa, Poland), Krajewski M. (Chemistry UW, Warszawa, Poland), Hamankiewicz B. (ICRI, Warszawa, Poland), Lipińska Ludwika (ITME), Czerwiński A. (Chemistry UW, Warszawa, Poland; ICRI, Warszawa, Poland)

Li₄Ti₅O₁₂ with silver or graphene oxide as an anode material in LiBs.

Abstract. 1 s.

118.

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

Advances in eutectic and nanoparticle based composite materials through directional solidification.

119.

Tymicki Emil (ITME), Raczkiewicz Marcin (ITME), Grodecki Kacper (ITME), Teklińska Dominika (ITME) (Wydział Inżynierii Materiałowej Politechniki Warszawskiej), Łukasiewicz Tadeusz (ITME)

Effect of 6H-SiC seed orientation on the SiC crystals growth from a Si:C solution.

Abstract. 1 s., il., bibliogr.

Ion Beam Modification of Materials, Leuven, Belgia, 2014.09.14-2014.09.20

120.

Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Gawlik Grzegorz (ITME), Józwick-Biała Iwona (ITME), Panczer G. (Institut Lumiere Matiere,

Universite Lyon, Villeurbanne Cedex, France), Moncoffre N. (Institute de Physique Nucleaire, Villeurbanne Cedex, France), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Świrkowicz Marek (ITME), Thome L. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, Universite Paris-Sud, Orsay, Cedex)

Damage accumulation in irradiated powellite studied by ionoluminescence method.
Abstract. 1 s.

Ion Beam Modification of Materials, Leuven, Belgia, 2014.09.14-2014.09.20

121.

Jóźwik-Biała Iwona (ITME), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Gawlik Grzegorz (ITME), Panczer G. (Institut Lumiere Matiere ILM, Universite 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)

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

Abstract. 1 s.

XXXVII Naukowa Szkoła Obróbki Ściernej, Kołobrzeg, Polska, 2014.09.14-2014.09.20

122.

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

Wybrane aspekty obróbek powierzchniowych wyrobów z tworzyw sztucznych metodami strumieniowo-ściernymi i w luźnych kształtkach.

Materiały Konferencyjne. s.13-17, il., bibliogr.

XV International Conference on Electron Microscopy, Kraków, Poland, 2014.09.15-2014.09.18

123.

Andrzejczuk M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Krawczyńska A. (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 characterization of LiMn_2O_4 powder modified by metal oxides.

Abstract. 1 s., bibliogr.

E-MRS 2014 Fall Meeting, Warszawa, Polska, 2014.09.15-2014.09.19

124.

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), Kamińska M. (Instytut Fizyki Doświadczalnej, Uniwersytet Warszawski), Wołoś A. (Instytut Fizyki Doświadczalnej, Uniwersytet Warszawski)

Growth of Bi_2Se_3 , Bi_2Te_3 and $\text{Bi}_2\text{Te}_2\text{Se}$ topological insulators.

Abstract. T-9, 1 s.

125.

Wołoś A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Drabińska A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Kamińska M. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Hruban Andrzej (ITME), Strzelecka Stanisława (ITME), Materna Andrzej (ITME), Piersa Mirosław (ITME)
Microwave spectroscopy of bismuth chalcogenides - three dimensional topological insulators.
Abstract. 1 s.

E-MRS 2014 Fall Meeting, Symposium G: Materials, processing and characterization techniques for future nuclear technologies, Warszawa, Poland, 2014.09.15-2014.09.19

126.

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Surma Barbara (ITME), Cortina E. (Universite Catholique de Louvain, Chemin du Cyclotron, Belgium), Kwestarz M. (Topsil Semiconductors Materials S.A., Warszawa, Poland)
Characterization of radiation defect centers in nitrogen-doped silicon.

Konferencja : Metrologia Wspomagana Komputerowo, Waplewo, Polska, 2014.09.15-2014.09.19

127.

Suproniuk M. (WAT), Kamiński Paweł (ITME), Kozłowski Roman (ITME), Żelazko Jarosław (ITME), Kwestarz M. (Topsil Semiconductors Materials S.A., Warszawa, Poland), Pawłowski M. (WAT)
Wspomaganie procesu identyfikacji radiacyjnych centrów defektowych w monokryształach krzemu badanych metodą HRPITS.

5th Electronics System-Integration technology Conference, Helsinki, Finland, 2014.09.16-2014.09.18

128.

Kielbasiński Konrad (ITME), Szałapak J. (Faculty of Mechatronics, Warsaw University of Technology, Poland), Krzemiński J. (Faculty of Mechatronics, Warsaw University of Technology, Poland), Młodziak Anna (ITME), Zwierkowska Elżbieta (ITME), Teodorczyk Marian (ITME), Jeremiasz O. (ABRAXAS, Wodzisław Śląski, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Poland)
Aluminium silvering of high current connectors using printing techniques and nanopowders.
Abstract. 4 s., il., bibliogr.

38th International Conference of IMAPS-CPMT Poland, Rzeszów-Czarna, Poland, 2014.09.21-2014.09.24

129.

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

Investigation of treated PEN foil surface properties for inkjet application.
Mater.Konfer. 4 s., il., bibliogr.

130.

Dybowska-Sarapuk Łucja (ITME), Futera K. (Tele and Radio Research Institute, Warszawa, Poland), Araźna A. (Tele and Radio Research Institute, Warszawa, Poland), Kielbasiński Konrad (ITME), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Poland), Młóżniak Anna (ITME)

The influence of viscosity and surface tension of graphene inks on drop formulation in inkjet printing.

Mater.Konfer. 4 s., il., bibliogr.

131.

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

Mater.Konfer. 4 s., il., bibliogr.

132.

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

Carbon nanomaterials dedicated to PV module heating system.

Mater.Konfer. 6 s., il., bibliogr.

133.

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

The method of calculating thermal diffusivity and conductivity for irregularly shaped samples in Laser Flash Analysis.

Mater.Konfer. 4 s., il., bibliogr.

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

Influence of electric field on separation and orientation of graphene nanoplatelets and carbon nanotubes in spray deposited layers.

Mater.Konfer. 4 s., il., bibliogr.

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Wyżkiewicz Iwona (ITME), Kuś B. (Faculty of Mechatronics, Warsaw University of Technology, Poland), Zwierkowska Elżbieta (ITME), Kielbasiński Konrad (ITME), Młodziak Anna (ITME), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Poland)

Graphene inks for industrial printing techniques.

Mater.Konfer. 4 s., il., bibliogr.

ECSCRM 2014, Grenoble, France, 2014.09.21-2014.09.25

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Racka-Szmidt Katarzyna (ITME), Avdonin A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Sochacki M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland), Tymicki Emil (ITME), Grasz Krzysztof (ITME) (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Jakiela Rafał (ITME) (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Surma Barbara (ITME), Dobrowolski W. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland)

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

Abstract. WE-32, s.102

137.

Tymicki Emil (ITME), Racka-Szmidt Katarzyna (ITME), Grasz Krzysztof (ITME) (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Sakowska Halina (ITME), Mazur Krystyna (ITME), Teklińska Dominika (ITME) (Warsaw University of Technology, Faculty of Materials Science and Engineering, Poland), Diduszko Ryszard (ITME), Jakiela Rafał (ITME) (Institute of Physics, Polish Academy of Science, Warszawa, Poland), Krupka J. (Institute of Microelectronics and Optoelectronics of Warsaw University of Technology, Poland)

Growth of 4H-SiC on the 6H-SiC seed by the PVT method in the presence of cerium impurity.

Abstract. WE-P-08, s.96

European Conference on Silicon Carbide&Related Materials, Grenoble, France, 2014.09.21-2014.09.25

138.

Król K. (Institute of Micro- and Optoelectronics, Warsaw University of Technology, Poland; Tele- and Radio Research Institute, Warszawa, Poland), Sochacki M. (Institute of Micro- and Optoelectronics, Warsaw University of Technology, Poland), Turek M. (Institute of Physics, Maria Cure-Skłodowska University, Lublin, Poland), Żuk J. (Institute of Physics, Maria Cure-Skłodowska University, Lublin, Poland), Borowicz P. (Institute of Electron Technology, Warszawa, Poland), Teklińska Dominika (ITME), Konarski P. (Tele- and Radio Research Institute, Warszawa, Poland), Miśnik M. (Tele- and Radio Research Institute, Warszawa, Poland), Domanowska A. (Institute of Physics, Centre for Science and Education, Gliwice, Poland), Michalewicz A. (Institute of Physics, Centre for Science and Education, Gliwice, Poland), Szmidt J. (Institute of Micro- and Optoelectronics, Warsaw University of Technology, Poland;)

Influence of phosphorous implantation on electrical properties of Al/SiO₂/4H-SiC MOS structure.

Abstract. 4 s., il., bibliogr.

139.

Teklińska Dominika (ITME) (Warsaw University of Technology, Faculty of Materials Science, Warszawa, Poland), Olszyna A. (Warsaw University of Technology, Faculty of Materials Science, Warszawa, Poland), Strupiński Włodzimierz (ITME)

The nucleation mechanism of 3C-SiC on a Si substrate.

Abstract. 2 s., il.

The 6th International Conference on Recent Progress in Graphene Research, Taipei, Tajwan, 2014.09.21-2014.09.25

140.

Ciuk Tymoteusz (ITME) (Warsaw University of Technology, Poland), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME)

Graphene growth technology vs production scale applications.

Abstract. 1 s., bibliogr.

40th Micro and Nano Engineering 2014, Lausanne, Szwajcaria, 2014.09.22-2014.09.26

141.

Gajewski K. (Division of Micro- and Nanostructures Metrology, Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Wrocław, Poland), Kunicki P. (Division of Micro- and Nanostructures Metrology, Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Wrocław, Poland), Moczala M. (Division of Micro- and Nanostructures Metrology, Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Wrocław, Poland), Ciuk Tymoteusz (ITME), Strupiński Włodzimierz (ITME), Gotszalk T. (Division of Micro- and Nanostructures Metrology, Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Wrocław, Poland)

Focused ion beam assisted fabrication of graphene nanostructures for electrical characterization.

Abstract. 1 s., il., bibliogr.

XXXVII Naukowa Szkoła Obróbki Ściernej, Kołobrzeg, Polska, 2014.09.23-2014.09.25

142.

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

Preparaty na bazie nano- i mikrodiamentów do operacji docierania i polerowania.

Materiały Konferencyjne. 8-12, il., bibliogr.

XXVI Edition of the Distributed Doctoral School on Metamaterials, Jena, Germany, 2014.09.24-2014.09.28

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Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Surma Barbara (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)

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

Abstract. 1 s., il., bibliogr.

Festiwal Nauki 2014, Warszawa, Polska, 2014.09.25

144.

Wierzbicka Edyta (ITME)

Krystalografia: jej ślady w nauce i życiu codziennym.

3rd International Conference and Exhibition on Materials Sciences & Engineering, San Antonio, USA, 2014.10.06-2014.10.08

145.

Michalska Monika (ITME), Hamankiewicz B. (Industrial Chemistry Research Institute, Poland), Ziółkowska D. (University of Warsaw, Poland), Krajewski M. (University of Warsaw, Poland), Lipińska Ludwika (ITME), Czerwiński A. (Industrial Chemistry Research Institute, Poland; University of Warsaw, Poland)

Decoration of lithium spinel oxides using graphene oxides.

Abstract. 1 s.

Nanotechnology and Advanced Materials for Innovative Industry, Kielce, Poland, 2014.10.15-2014.10.17

146.

Michalska Monika (ITME)

$\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{CNT}$ as an anode material for LiBs - structural, morphological and electrochemical studies.

Abstract. 1 s., bibliogr.

147.

Michalska Monika (ITME), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Jasiński J. (Conn Center for Renewable Energy Research, University of Louisville, KY, USA), Lipińska Ludwika (ITME)

$\text{LiMn}_2\text{O}_4/\text{graphene oxide}$ as a cathode material for lithium ion battery.

Abstract. 2 s., bibliogr.

148.

Michalska Monika (ITME)

Novel synthesis of olivine lithium metal phosphates LiMPO_4 (M=Fe, Mn, Ni, Co) - analysis and studies.

Abstract. 1 s.

149.

Michalska Monika (ITME), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Hamankiewicz B. (Industrial Chemistry Research Institute, Warszawa, Poland), Krajewski M. (Faculty of Chemistry, University of Warsaw, Poland), Andrzejczuk M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland),

Lipińska Ludwika (ITME), Czerwiński A. (Industrial Chemistry Research Institute, Warszawa, Poland; Faculty of Chemistry, University of Warsaw, Poland)

The influence of CeO₂ on electrochemical performance of LiMn₂O₄.
Abstract. 1 s., bibliogr.

Seminarium w Instytucie Technologii Materiałów Elektronicznych, Warszawa, Polska, 2014.10.30

150.

Wierzbicka Edyta (ITME)

Krystalografia: jej ślady w nauce i życiu codziennym.

Asia Communications and Photonics Conference, Sanghai, China, 2014.11.11-2014.11.14

151.

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

Infrared thermal emission from joule-heated graphene with defects.
Technical Program ACP2014. ATh4B.2, s.42

19th International Conference on Semiconductor Photocatalysis and Solar Energy Conversion, San Diego, USA, 2014.11.17-2014.11.20

152.

Morawski A.W., Kusiak-Nejman E., Wanag A., Kapica J., Kowalczyk L., Tryba B., Mozia S., Aksienionek Magdalena (ITME), Lipińska Ludwika (ITME)

Preparation and characterization of TiO₂-graphene photocatalyst for water purification.

25th RD50 Workshop, Geneva, Szwajcaria, 2014.11.19-2014.11.21

153.

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Surma Barbara (ITME), Cortina E. (Universite Catholique de Louvain, Chemin du Cyclotron, Belgium)

First results on properties and concentrations of radiation defect centers in nitrogen-enriched, high-resistivity silicon.

Invitation to KMM-VIN 3rd Industrial Workshop "cUurrent Research on Materials and Technologies for Transport Applications, Dresden, Germany, 2014.11.21-2014.11.25

154.

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

Alumina/aluminum FGMs produced by squeeze casting for brake disc application.

Seminarium w Instytucie Technologii Materiałów Elektronicznych, Warszawa, Polska, 2014.11.26

155.

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

Wybrane monokryształy tlenkowe - spojrzenie na strukturę defektową.

2014 MRS Fall Meeting & Exhibit, Boston, USA, 2014.11.30-2014.12.05

156.

Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Jasiński J.B. (Conn Center for Renewable Energy Research, University of Louisville, Kentucky, USA), Michalska Monika (ITME), Korona K.P. (Faculty of Physics, University of Warsaw, Poland), Lipińska Ludwika (ITME), Kamińska M. (Faculty of Physics, University of Warsaw, Poland)

In situ TEM and Raman studies of novel graphene oxide/manganese oxides hollow sphere nanocomposites synthesis for lithium ion batteries applications.

Abstract. 1 s., bibliogr.

10th Laser Ceramics Symposium, Wrocław, Polska, 2014.11.30-2014.12.06

157.

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

Optical properties of transparent Tm^{3+} and Ho^{3+} doped YAG ceramics.

Abstract. 1 s. il., bibliogr.

158.

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

Transparent Tm, Ho:YAG ceramics obtained by reactive sintering.

Abstract. 1 s. il.

159.

Wajler Anna (ITME), Chmielewski Marcin (ITME), Orliński Krzysztof (ITME), Sidorowicz Agata (ITME), Węglarz Helena (ITME)

Thermal properties of transparent cobalt-doped magnesium aluminate ceramics at elevated temperatures.

Abstract. 1 s. il., bibliogr.

160.

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

Preparation of polycrystalline, transparent neodymium doped yttrium aluminate garnet with the use of freeze granulation.

Abstract. 1 s. il.