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1.

Henczka M. (Faculty Chemical and Process Engineering, Warsaw University of Technology, Warsaw, Poland), Djas Małgorzata (ITME), Krzysztoforski J. (Faculty Chemical and Process Engineering, Warsaw University of Technology, Warsaw, Poland)

Supercritical Fluids in Green Technologies in: Practical Aspects of Chemical Engineering. Editors: Marek Ochowiak et al. Springer International Publishing, Germany, 2017, s.137-148, il., bibliogr.
ISBN: 978-3-319-73978-6_10

II. ARTYKUŁY W CZASOPISMACH: OPUBLIKOWANE I PRZYJĘTE DO DRUKU

1.

2D Materials (JCR)

Berger Ch. (School of Materials and National Graphene Institute, University of Manchester, UK), Philips R. (School of Materials and National Graphene Institute, University of Manchester, UK), Pasternak Iwona (ITME), Sobieski Jan (ITME), Strupiński Włodzimierz (ITME), Vijayaraghavan A. (School of Materials and National Graphene Institute, University of Manchester, UK)

Touch-mode capacitive pressure sensor with graphene-polymer heterostructure membrane.

przyjęto do druku

2.

Acta Materialia (JCR)

Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock, Poland), Józwiak Przemysław (ITME), Wójcik Marek (ITME), Gaca Jarosław (ITME), Ratajczak R. (National Centre for Nuclear Research, Otwock, Poland), Stonert A. (National Centre for Nuclear Research, Otwock, Poland)

Mechanism of damage buildup in ion bombarded ZnO. (**Scopus**)
Vol.134 s.249-256

3.

Acta Physica Polonica A (JCR)

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

In situ Raman spectroscopy of solution-gated graphene on copper. (**Scopus**)
Vol.132 nr 2 s.360-362

4.

Fal J. (Department of Physics and Medical Engineering, Rzeszów University of Technology, Poland), Sidorowicz Agata (ITME), Żyła G. (Department of Physics and Medical Engineering, Rzeszów University of Technology, Poland)

Electrical conductivity of ethylene glycol based nanofluids with different types of thulium oxide nanoparticles. **(Scopus)**
Vol.132 nr 1 s.146-148

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Kachniarz M. (Industrial Research Institute for Automation and Measurements, Warsaw, Poland), Petruk O. (Industrial Research Institute for Automation and Measurements, Warsaw, Poland), Salach J. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland), Ciuk Tymoteusz (ITME), Strupiński Włodzimierz (ITME), Bieńkowski A. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland), Szewczyk R. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland)

Functional properties of monolayer and bilayer graphene Hall-effect sensors. **(Scopus)**
Vol.131 nr 5 s.1250-1253

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Weiss M. (Institute of Physics, Faculty of Technical Physics, Poznań University of Technology, Poznań, Poland), Walkowiak M. (Institute of Non-Ferrous Metals Division in Poznań, Central Laboratory of Batteries and Cells, Poznań, Poland), Wasiński K. (Institute of Non-Ferrous Metals Division in Poznań, Central Laboratory of Batteries and Cells, Poznań, Poland), Półrolniczak P. (Institute of Non-Ferrous Metals Division in Poznań, Central Laboratory of Batteries and Cells, Poznań, Poland), Kokocińska B. (Institute of Non-Ferrous Metals Division in Poznań, Central Laboratory of Batteries and Cells, Poznań, Poland), Strupiński Włodzimierz (ITME)

Comparative morphological analysis of graphene on copper substrate obtained by CVD from a liquid precursor. **(Scopus)**
Vol.131 nr 6 s.1497-1505

7.

Advanced Powder Technology (JCR)

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

Discrete element modeling and experimental investigation of hot pressing of intermetallic NiAl powder. **(Scopus)**
Vol.28 s.1745-1759

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Applied Catalysis B-Environmental (JCR)

Wysmulek Konrad (ITME), Sar Jarosław (ITME), Osewski Paweł (ITME), Orliński Krzysztof (ITME), Kołodziejek Katarzyna (ITME), Trenczek-Zajac A. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Radecka M. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Warsaw, Poland)

A SrTiO₃-TiO₂ eutectic composite as a stable photoanode material for photoelectrochemical hydrogen production. **(Scopus)**
Vol.206 s.538-546

9.

Applied Optics (JCR)

Xuan K.D. (Department of Physics, Vinh University, Vinh City, Vietnam), Van L.C. (Department of Physics, Vinh University, Vinh City, Vietnam), Long V.C. (Institute of Physics, University of Zielona Góra, Poland), Dinh Q.H. (Department of Physics, Vinh University, Vinh City, Vietnam), Xuan L.V. (Department of Physics, Vinh University, Vinh City, Vietnam), Trippenbach M. (Faculty of Physics, University of Warsaw, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Dispersion characteristics of a suspended-core optical fiber infiltrated with water.

(Scopus)

Vol.56 nr 4 s.1012-1019

10.

Applied Physics A-Materials Science & Processing (JCR)

Frączek-Szyczypta A. (Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Kraków, Poland), Wedel-Grzenda A. (Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Kraków, Poland), Benko A. (Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Kraków, Poland), Grzonka Justyna (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Mizera J. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland)

Interaction of carbon nanotubes coatings with titanium substrate. **(Scopus)**

Vol.123 s.120-1-10

11.

Applied Physics Letters (JCR)

Deska R. (Advanced Materials Engineering and Modelling Group, Wrocław University of Science and Technology, Wrocław, Poland), Sadecka Katarzyna (ITME), Olesiak-Bańska J. (Advanced Materials Engineering and Modelling Group, Wrocław University of Science and Technology, Wrocław, Poland), Matczyszyn K. (Advanced Materials Engineering and Modelling Group, Wrocław University of Science and Technology, Wrocław, Poland), Pawlak Dorota (ITME) (Centre of New Technologies University of Warsaw, Poland), Samoc M. (Advanced Materials Engineering and Modelling Group, Wrocław University of Science and Technology, Wrocław, Poland)

Nonlinear plasmonics in eutectic composites: Second harmonic generation and two-photon luminescence in a volumetric Bi₂O₃-Ag metamaterial. **(Scopus)**

Vol.110 nr 3 s.031102-1-5

12.

El-Ahmar S. (Institute of Physics, Poznań University of Technology, Poznań, Poland), Koczorowski W. (Institute of Physics, Poznań University of Technology, Poznań, Poland; Centre for Advanced Technologies, Adam Mickiewicz University, Poznań, Poland), Poźniak A.A. (Institute of Physics, Poznań University of Technology, Poznań, Poland), Kuświk P. (Centre for Advanced Technologies, Adam Mickiewicz University, Poznań, Poland; Institute of Molecular Physics, Polish Academy of Sciences, Poznań, Poland), Strupiński Włodzimierz (ITME)

Graphene-based magnetoresistance device utilizing strip pattern geometry. **(Scopus)**

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Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Wasaw, Poland), Pasternak Iwona (ITME), Sobon G. (Laser and Fiber Electronics Group, Faculty of Electronics, Wrocław University of Technology, Wrocław, Poland), Sotor J. (Laser and Fiber Electronics Group, Faculty of Electronics, Wrocław University of Technology, Wrocław, Poland), Przewłoka Aleksandra (ITME), Ciuk Tymoteusz (ITME), Sobieski Jan (ITME) (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Grzonka Justyna (ITME), Abramski K.M. (Laser and Fiber Electronics Group, Faculty of Electronics, Wrocław University of Technology, Wrocław, Poland), Strupiński Włodzimierz (ITME)

Fabrication and applications of multi-layer graphene stack on transparent polymer.

(Scopus)

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14.

Applied Surface Science (JCR)

Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Teodorczyk Marian (ITME), Nosewicz S. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Jarzabek D. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Zybala R. (Warsaw University of Technology, Warsaw, Poland), Bazarnik P. (Warsaw University of Technology, Warsaw, Poland), Lewandowska M. (Warsaw University of Technology, Warsaw, Poland), Strojny-Nędza Agata (ITME)

Effect of metallic coating on the properties of copper-silicon carbide composites.

(Scopus)

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15.

Lukaszowicz K. (Institute of Engineering Materials and Biomaterials, Silesian University of Technology, Gliwice, Poland), Szindler M. (Institute of Engineering Materials and Biomaterials, Silesian University of Technology, Gliwice, Poland), Drygala A. (Institute of Engineering Materials and Biomaterials, Silesian University of Technology, Gliwice, Poland), Dobrzański L.A. (Institute of Engineering Materials and Biomaterials, Silesian University of Technology, Gliwice, Poland), Prokopiuk vel Prokopowicz M. (Institute of Engineering Materials and Biomaterials, Silesian University of Technology, Gliwice, Poland), Pasternak Iwona (ITME), Przewłoka Aleksandra (ITME), Szindler M.M. (Institute of Engineering Materials and Biomaterials, Silesian University of Technology, Gliwice, Poland), Domański M. (Centre of Polymer and Carbon Materials, Polish Academy of Sciences, Zabrze, Poland)

Graphene-based layers deposited onto flexible substrates: Used in dye-sensitized solar cells as counter electrodes.

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Pietrzak Katarzyna (ITME), Strojny-Nędza Agata (ITME), Olesińska Wiesława (ITME), Bańkowska Anna (ITME), Gładki Andrzej (ITME)

Cu-rGO subsurface layer creation on copper substrate and its resistance to oxidation.

(Scopus)

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Archaeological and Anthropological Sciences (JCR)

Miśta E.A. (National Centre for Nuclear Research, Świerk-Otwock, Poland), Diduszko Ryszard (ITME), Gójska A.M. (National Centre for Nuclear Research, Świerk-Otwock, Poland), Kontny B. (Institute of Archaeology, University of Warsaw, Warsaw, Poland), Łozinko A. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Oleszak D. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Żabiński G. (Institute of History, Jan Długosz University in Częstochowa, Poland)

Material description of a unique relief fibula from Poland. (**Scopus**)

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Archives of Metallurgy and Materials (JCR)

Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Strojny-Nęcza Agata (ITME), Jarzabek D. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warsaw, Poland), Nosewicz S. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warsaw, Poland)

Investigations of interface properties in copper-silicon carbide composites. (**Scopus**)
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Pietrzak Katarzyna (ITME), Gładki Andrzej (ITME), Frydman Krystyna (ITME), Wójcik-Grzybek Danuta (ITME), Strojny-Nęcza Agata (ITME), Wejrzanowski T. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland)

Copper-carbon nanoforms composites - processing, microstructure and thermal properties. (**Scopus**)
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Strojny-Nęcza Agata (ITME), Pietrzak Katarzyna (ITME), Teodorczyk Marian (ITME), Basista M. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Węglewski W. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Chmielewski Marcin (ITME)

Influence of material coating on the heat transfer in a layer Cu-SiC-Cu systems.
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21.

Zybała R. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warsaw, Poland), Mars K. (AGH University of Science and Technology, Kraków, Poland), Mikuła A. (AGH University of Science and Technology, Kraków, Poland), Bogusławski J. (Wrocław University of Science and Technology, Faculty of Electronics, Wrocław, Poland), Soboń G. (Wrocław University of Science and Technology, Faculty of Electronics, Wrocław, Poland), Sotor J. (Wrocław University of Science and Technology, Faculty of Electronics, Wrocław, Poland), Schmidt Maksymilian (ITME), Kaszyca Kamil (ITME), Chmielewski Marcin (ITME), Ciupiński L. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warsaw, Poland), Pietrzak Katarzyna (ITME)

Synthesis and characterization of antimony telluride for thermoelectric and optoelectronic applications. (**Scopus**)
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22.

Catalysis Today(JCR)

Morawski A.W. (West Pomeranian University of Technology, Institute of Inorganic Technology and Environment Engineering, Szczecin, Poland), Kusiak-Nejman E. (West Pomeranian University of Technology, Institute of Inorganic Technology and Environment Engineering, Szczecin, Poland), Wanag A. (West Pomeranian University of Technology, Institute of Inorganic Technology and Environment Engineering, Szczecin, Poland), Kapica-Kozar J. (West Pomeranian University of Technology, Institute of Inorganic Technology and Environment Engineering, Szczecin, Poland), Wróbel R.J. (West Pomeranian University of Technology, Institute of Inorganic Technology and Environment Engineering, Szczecin, Poland), Ohtani B. (Hokkaido University, Research Institute for Catalysis, Sapporo, Japan), Aksienionek Magdalena (ITME), Lipińska Ludwika (ITME)

Photocatalytic degradation of acetic acid in the presence of visible light-active TiO₂-reduced graphene oxide photocatalysts. (**Scopus**)

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Ceramics International (JCR)

Boniecki Marek (ITME), Gołębiowski Przemysław (ITME), Wesołowski Władysław (ITME), Woluntarski Michał (ITME), Piątkowska Anna (ITME), Romaniec Magdalena (ITME), Ciepielewski Paweł (ITME), Krzyżak Konrad (ITME)

Alumina/zirconia composites toughened by the addition of graphene flakes. (**Scopus**)
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Jarząbek D.M. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Milczarek M. (Faculty of Mechatronics, Warsaw University of Technology, Warsaw, Poland), Wojciechowski T. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Dziekoński C. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Chmielewski Marcin (ITME)

The effect of metal coatings on the interfacial bonding strength of ceramics to copper in sintered Cu-SiC composites. (**Scopus**)

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Zhydachevskyy Ya. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland; Lviv Polytechnic National University, Lviv, Ukraine), Tsiumra V. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Baran Magdalena (ITME), Lipińska Ludwika (ITME), Barzowska J. (Institute of Experimental Physics, Gdańsk University, Poland), Suchocki A. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland; Institute of Physics, University of Bydgoszcz, Poland)

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Crystal Research and Technology (JCR)

Królicka Aleksandra (ITME), Mirowska Aleksandra (ITME), Materna Andrzej (ITME), Piersa Mirosław (ITME)

Synthesis and ball milling effect on thermal conductivity of PbTe based alloys
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.s.1600376-1-9

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Szubka M. (A.Chełkowski Institute of Physics, University of Silesia, Katowice, Poland),
Talík E. (A.Chełkowski Institute of Physics, University of Silesia, Katowice, Poland),
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of Warsaw, Poland), Zajdel P. (A.Chełkowski Institute of Physics, University of Silesia,
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Characterization of raw materials and self-organized Bi₂O₃-Ag eutectic by X-ray
diffraction, scanning electron microscopy, and X-ray photoelectron spectroscopy. (Scopus)
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ECS Journal of Solid State Science and Technology (JCR)

Jóźwik Iwona (ITME), Dąbrowska Elżbieta (ITME), Małąg Andrzej (ITME), Barcz A.
(Institute of Electron Technology, Warsaw, Poland; Institute of Physics PAS, Warsaw,
Poland)

Communication - Direct imaging of irradiation damage in semiconductors by low-
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Elastomery

Gozdek T. (Instytut Technologii Polimerów i Barwników, Wydział Chemiczny Politechniki
Łódzkiej), Siciński M. (Instytut Technologii Polimerów i Barwników, Wydział Chemiczny
Politechniki Łódzkiej), Bieliński D.M. (Instytut Technologii Polimerów i Barwników,
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Barwników, Wydział Chemiczny Politechniki Łódzkiej), Szymanowski H. (Instytut Inżynierii
Materiałowej, Wydział Mechaniczny Politechniki Łódzkiej), Piątkowska Anna (ITME)

Wpływ plazmochemicznie modyfikowanych nanorurek węglowych na właściwości
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I. (Institute of Biotechnology and Antibiotics, Warszawa, Poland), Zwierkowska Elżbieta
(ITME), Achmatowicz Selim (ITME), Maj-Żurawska M. (University of Warsaw, Faculty of
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Voltammetric and spectrophotometric studies on DNA interacting with daunorubicin
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Environmental Science and Pollution Research (JCR)

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Interaction of different forms of graphene with chicken embryo red blood cells.

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EPL (Europhysics Letters) (JCR)

Hakl M. (Laboratoire National des Champs Magnetiques Intenses, EMFL-CNRS-UGA-UPS-INSIA 25, Grenoble, France), Ohnoutek L. (Institute of Physics, Charles University, Praha, Czech Republic), Veis M. (Institute of Physics, Charles University, Praha, Czech Republic), Drasar C. (Institute of Applied Physics and Mathematics, Faculty of Chemical Technology, University of Pardubice Studenska, Pardubice, Czech Republic), Materna Andrzej (ITME), Strzelecka Stanisława (ITME), Hruban Andrzej (ITME), Slobodeniuk A. (Laboratoire National des Champs Magnetiques Intenses, EMFL-CNRS-UGA-UPS-INSIA 25, Grenoble, France), Piot B.A. (Laboratoire National des Champs Magnetiques Intenses, EMFL-CNRS-UGA-UPS-INSIA 25, Grenoble, France), Martinez G. (Laboratoire National des Champs Magnetiques Intenses, EMFL-CNRS-UGA-UPS-INSIA 25, Grenoble, France), Potemski M. (Laboratoire National des Champs Magnetiques Intenses, EMFL-CNRS-UGA-UPS-INSIA 25, Grenoble, France), Orlita M. (Laboratoire National des Champs Magnetiques Intenses, EMFL-CNRS-UGA-UPS-INSIA 25, Grenoble, France; Institute of Physics, Charles University, Praha, Czech Republic)

The saturation of interband Faraday rotation in Bi_2Se_3 . **(Scopus)**

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European Journal of Inorganic Chemistry (JCR)

Gabka G. (Faculty of Chemistry, Warsaw University of Technology, Warsaw, Poland), Zybala R. (Faculty of Materials Science Engineering, Warsaw University of Technology, Warsaw, Poland), Bujak P. (Faculty of Chemistry, Warsaw University of Technology, Warsaw, Poland), Ostrowski A. (Faculty of Chemistry, Warsaw University of Technology, Warsaw, Poland), Chmielewski Marcin (ITME), Lisowski W. (Institute of Physical Chemistry, Polish Academy of Science, Warsaw, Poland), Sobczak J.W. (Institute of Physical Chemistry, Polish Academy of Science, Warsaw, Poland), Pron A. (Faculty of Chemistry, Warsaw University of Technology, Warsaw, Poland)

Facile gram-scale synthesis of the first n-type CuFeS₂ nanocrystals for thermoelectric applications. **(Scopus)**
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Nosewicz S. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warsaw, Poland), Rojek J. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warsaw, Poland), Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research Polish Academy of Sciences, Warsaw, Poland), Lumelskyj D. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warsaw, Poland)

Application of the Hertz formulation in the discrete element model of pressure-assisted sintering. **(Scopus)**

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IEEE Journal of Selected Topics in Quantum Electronics (JCR)

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

Power scaling of an all-PM fiber Er-doped mode-locked laser based on graphene saturable absorber.

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IEEE Microwave and Wireless Components Letters (JCR)

Habibpour O. (Microwave Electronics laboratory, Department of Microtechnology and nanoscience Chalmers University of technology, Goeteborg, Sweden), He Z.S. (Microwave Electronics laboratory, Department of Microtechnology and nanoscience Chalmers University of technology, Goeteborg, Sweden), Strupiński Włodzimierz (ITME), Rorsman N. (Microwave Electronics laboratory, Department of Microtechnology and nanoscience Chalmers University of technology, Goeteborg, Sweden), Ciuk Tymoteusz (ITME), Ciepielewski Paweł (ITME), Zirath H. (Microwave Electronics laboratory, Department of Microtechnology and nanoscience Chalmers University of technology, Goeteborg, Sweden)

A W-band MMIC resistive mixer based on epitaxial graphene FET. **(Scopus)**

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IEEE Transactions on Electron Devices (JCR)

Judek J. (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Zdrojek M. (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Sobieski Jan (ITME) (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Przewłoka Aleksandra (ITME), Piotrowski J.K. (Microelectronics and Optoelectronics, Faculty of Electronics and Information Technology, Warsaw University of Technology, Warsaw, Poland)

Characterization of the CVD graphene monolayer as an active element of a one-port microwave device. **(Scopus)**
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IEEE Transactions on Magnetics (JCR)

Gbotemi O. (Microelectronics and materials Physics Laboratories, University of Oulu, Finland), Myllymaki S. (Microelectronics and materials Physics Laboratories, University of Oulu, Finland), Juuti J. (Microelectronics and materials Physics Laboratories, University of Oulu, Finland), Teirikangas M. (Microelectronics and materials Physics Laboratories, University of Oulu, Finland), Jantunen H. (Microelectronics and materials Physics Laboratories, University of Oulu, Finland), Macek M. (Department of Silicon Technology, Institute of Electronic Materials Technology, Warsaw, Poland), Suvorov D. (Jozef Stefan Institute, Ljubljana, Slovenia), Słoma Marcin (ITME), Jakubowska Małgorzata (ITME)

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39.

IEEE Transactions on Terahertz Science and Technology (JCR)

Krause S. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg, Sweden), Mityashkin V. (Radio-Physics Research and Educational Center, Department of Physics, Moscow State Pedagogical University, Moscow, Russia), Antipov S. (Radio-Physics Research and Educational Center, Department of Physics, Moscow State Pedagogical University, Moscow, Russia), Gol'tsman G. (Radio-Physics Research and Educational Center, Department of Physics, Moscow State Pedagogical University, Moscow, Russia), 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), Belitsky V. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg, Sweden), Rudziński Mariusz (ITME)

Reduction of phonon escape time for NbN hot electron bolometers by using GaN buffer layers. **(Scopus)**

Vol.7 nr 1 s.53-59

40.

International Journal for Multiscale Computational Engineering (JCR)

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

Micro-macro relationships from discrete element simulations of sintering. **(Scopus)**

Vol.15 nr 4 s.323-342

41.

Journal of Alloys and Compounds (JCR)

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

Site-selective energy upconversion in Pr³⁺:Y₄Al₂O₉. **(Scopus)**

Vol.728 s.1009-1015

42.

Litwa P. (Military University of Technology, Warsaw, Poland), Kurpaska Ł. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Varin R.A. (University of Waterloo, Waterloo, Canada), Perkowski K. (Institute of ceramic and Building Materials, Warsaw, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Józwiak S. (Military University of Technology, Warsaw, Poland), Czujko T. (Military University of Technology, Warsaw, Poland)

The effect of He⁺ irradiation on hardness and elastic modulus of Fe-Cr-40 wt.% TiB₂ composite rod designed for neutron absorbing. (**Scopus**)
Vol.711 s.111-120

43.

Michalska Monika (ITME), Andrzejczuk M. (Faculty of Materials Engineering, Warsaw University of Technology, Warsaw, Poland), Oberda K. (Faculty of Chemistry, Biological and Chemical Research Centre, University of Warsaw, Poland)

Synthesis and characterization of nanocrystalline tin sulfide (SnS) with SnO₂ nanoislands flakes. (**Scopus**)
Vol.726 s.388-393

44.

Michalska Monika (ITME), Ziółkowska D.A. (Faculty of Physics, University of Warsaw, Poland), Andrzejczuk M. (Faculty of Materials Engineering, Warsaw University of Technology, Warsaw, Poland), Krawczyńska A. (Faculty of Materials Engineering, Warsaw University of Technology, Warsaw, Poland), Roguska A. (Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Sikora A. (Electrochemical Institute, Division of Electrotechnology and Materials Science, M. Skłodowskiej-Curie, Wrocław, Poland)

New synthesis route to decorate Li₄Ti₅O₁₂ grains with GO flakes. (**Scopus**)
Vol.719 s.210-217

45.

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

Preparation and characterization of thulium doped yttrium oxide (Tm:Y₂O₃) powders. (**Scopus**)
Vol.709 s.293-298

46.

Journal of AOAC International (JCR)

Dybowska-Sarapuk Łucja (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Warsaw, Poland), Kotela A. (Medical University of Technology, Department of Orthopaedics and Traumatology, Warsaw, Poland), Krzemiński J. (Warsaw University of Technology, Faculty of Mechatronics, Warsaw, Poland), Wróblewska M. (Medical University of Warsaw, Department of Dental Microbiology, Warsaw, Poland; Central Clinical Hospital in Warsaw, Department of Microbiology, Warsaw, Poland), Marchel H. (Medical University of Warsaw, Department of Dental Microbiology, Warsaw, Poland), Romaniec Magdalena (ITME), Łęgosz P. (Medical University of Warsaw, Department of Orthopaedics and

Traumatology, Warsaw, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Warsaw, Poland)

Graphene nanolayers as a new method for bacterial biofilm prevention: preliminary results. (**Scopus**)

Vol.100 nr 4 s.900-904

47.

Journal of Applied Crystallography (JCR)

Wierzchowski Wojciech (ITME), Wieteska K. (National Centre for Nuclear Research, Świerk-Otwock, Poland), Gaca Jarosław (ITME), Wójcik Marek (ITME), Możdżonek Małgorzata (ITME), Strupiński Włodzimierz (ITME), Wesołowski Marek (ITME), Paulmann C. (DESY, Hamburg, Germany)

Characterization of AIIIBV superlattices by means of synchrotron diffraction topography and high-resolution X-ray diffraction. (**Scopus**)

Vol.50 s.1192-1199

48.

Journal of Applied Physics (JCR)

Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland; Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Prucnal S. (Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany), Guzewicz E. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Mieszczyński C. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Singurenko D. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Stachowicz M. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Skorupa W. (Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany), Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland)

The photoluminescence response to structural changes of Yb implanted ZnO crystals subjected to non-equilibrium processing. (**Scopus**)

Vol.121 s.075101-1-8

49.

Journal of Catalysis (JCR)

Kołodziejak Katarzyna (ITME), Sar Jarosław (ITME), Wysmułek Konrad (ITME), Osewski Paweł (ITME), Warczak Magdalena (ITME), Sadkowski A. (Military University of Technology, Department of Chemistry and New Technologies, Warsaw, Poland), Radecka M. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Pawlak Dorota (ITME) (Centre of New Technologies University of Warsaw, Poland)

When eutectic composites meet photoelectrochemistry - Highly stable and efficient UV-visible hybrid photoanodes. (**Scopus**)

Vol.352 s.93-101

50.

Journal of Luminescence (JCR)

Fetliński B. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland), Boruc Z. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland), Kaczkan M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland),

Turczyński Sebastian (ITME), Pawlak Dorota (ITME), Malinowski M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland)
Sensitisation of Pr^{3+} in $\text{Y}_4\text{Al}_2\text{O}_9:\text{Ce}^{3+} + \text{Pr}^{3+}$ system for down-conversion of solar spectrum. (**Scopus**)
Vol.110 nr 4 s.133-137

51.

Journal of Magnetism and Magnetic Materials (JCR)

Grabias Agnieszka (ITME), Kopcewicz Michał (ITME), Latuch J. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Oleszak D. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Pękała M. (Department of Chemistry, University of Warsaw, Poland), Kowalczyk M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland)
Influence of cobalt content on the structure and hard magnetic properties of nanocomposite (Fe,Co)-Pt-B alloys. (**Scopus**)
Vol.434 s.126-134

52.

Journal of Materials Science (JCR)

Sadecka Katarzyna (ITME), Berger M.H. (MINES ParisTech, MAT - Centre des materiaux, CNRS UMR 7633, PSL Research University, Evry, France), Orliński Krzysztof (ITME), Józwiak Iwona (ITME), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)
Evolution of silver in a eutectic-based Bi_2O_3 -Ag metamaterial. (**Scopus**)
Vol.52 s.5503-5510

53.

Journal of Nanomaterials (JCR)

Januszko A. (Military Institute of Engineer Technology, Wrocław, Poland), Iwan A. (Military Institute of Engineer Technology, Wrocław, Poland), Maleczek S. (Military Institute of Engineer Technology, Wrocław, Poland), Przybył W. (Military Institute of Engineer Technology, Wrocław, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME)
CVD-graphene-based flexible, thermochromic sensor. (**Scopus**)
.s.1-8

54.

Journal of Optics (JCR)

Chu Van L. (Vinh University, Department of Physics, Vinh City, Vietnam), Anuszkiewicz Alicja (ITME), Ramaniuk Aleksandr (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kasztelan Rafal (ITME), Xuan K.D. (Vinh University, Department of Physics, Vinh City, Vietnam), Cao Long V. (University of Zielona Gora, Institute of Physics, Zielona Gora, Poland), Trippenbach M. (University of Zielona Gora, Institute of Physics, Zielona Gora, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)
Supercontinuum generation in photonic crystal fibers with core filled with toluene. (**Scopus**)
Vol.19 s.125604-1-9

55.

Journal of Sensors (JCR)

Janczak D. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland), Peplowski A. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland), Wróblewski G. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland), Górski Ł. (Institute of Biotechnology, Warsaw University of Technology, Warsaw, Poland), Zwierkowska Elżbieta (ITME), Jakubowska M. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland)

Investigations of printed flexible pH sensing materials based on graphene platelets and submicron RuO₂ powders. (**Scopus**)

s.1-6

56.

Journal of the American Ceramic Society (JCR)

Jeznach Oliwia (ITME), Gajc Marcin (ITME), Korzeb Karolina (ITME), Kłós Andrzej (ITME), Orliński Krzysztof (ITME), Stępień Ryszard (ITME), Krok-Borkowicz M. (Department of Biomaterials, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland), Rumian Ł. (Department of Biomaterials, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland), Pietryga K. (Department of Biomaterials, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland), Reczyńska K. (Department of Biomaterials, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland), Pamuła E. (Department of Biomaterials, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland), Pawlak Dorota (ITME) (Centre of New Technologies, Warsaw, Poland)

New calcium-free Na₂O-Al₂O₃-P₂O₅ bioactive glasses with potential applications in bone tissue engineering.

Vol.101 nr 2 s.602-611

57.

Journal of the European Ceramic Society (JCR)

Kruk A. (University of Information Technology and Management, Rzeszów, Poland), Wajler Anna (ITME), Bobruk M. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Adamczyk A. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland), Mrózek M. (Jagiellonian University, Faculty of Physics, Astronomy and Applied Computer Science, 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)

Preparation of yttria powders co-doped with Nd³⁺ and La³⁺ using EDTA gel processes for application in transparent ceramics. (**Scopus**)

Vol.37 s.4129-4140

58.

Journal of Thermal Analysis and Calorimetry (JCR)

Orliński Krzysztof (ITME), Diduszko Ryszard (ITME) (Tele and Radio Research Institute, Warsaw, Poland), Kopcewicz Michał (ITME), Pawlak Dorota (ITME) (Centre of New Technologies, Warsaw, Poland)

The influence of chromium substitution on crystal structure and shift of Neel transition in $\text{GdFe}_{1-x}\text{Cr}_x\text{O}_3$ mixed oxides. (**Scopus**)
Vol.127 s.181-187

59.

Laser Physics Letters (JCR)

Franczyk Marcin (ITME), Stępień Ryszard (ITME), Piechal Bernard (ITME), Pysz Dariusz (ITME), Stawicki Kamil (ITME), Siwicki Bartłomiej (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

High efficiency Yb^{3+} -doped phosphate single-mode fibre laser.

Vol.14 s.105102-1-4

60.

Materials & Design (JCR)

Ciupiński Ł. (Warsaw University of Technology, Warsaw, Poland), Kruszewski M. J. (Warsaw University of Technology, Warsaw, Poland), Grzonka Justyna (ITME) (Warsaw University of Technology, Warsaw, Poland), Chmielewski Marcin (ITME), Zieliński R. (Warsaw University of Technology, Warsaw, Poland), Moszczyńska D. (Warsaw University of Technology, Warsaw, Poland), Michalski A. (Warsaw University of Technology, Warsaw, Poland)

Design of interfacial Cr_3C_2 carbide layer via optimization of sintering parameters used to fabricate copper/diamond composites for thermal management applications. (**Scopus**)

Vol.120 s.170-185

61.

Materials Research Express (JCR)

Talik E. (Institute of Physics, University of Silesia, Katowice, Poland), Kusz J. (Institute of Physics, University of Silesia, Katowice, Poland), Guzik A. (Institute of Physics, University of Silesia, Katowice, Poland), Szubka M. (Institute of Physics, University of Silesia, Katowice, Poland), Balin K. (Institute of Physics, University of Silesia, Katowice, Poland), Kisielewski Jarosław (ITME), Wierzchowski Wojciech (ITME), Malinowska Agnieszka (ITME), Strojny-Nędzka Agata (ITME), Pajączkowska Anna (ITME), Drozdowski W. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland)

Properties of $\text{Lu}_3\text{Al}_5\text{O}_{12}$, $\text{Lu}_3\text{Al}_5\text{O}_{12}:\text{Pr}$, $\text{Lu}_3\text{Al}_5\text{O}_{12}:\text{Pr},\text{Mo}$ and $(\text{Lu}_{1-x}\text{Y}_x)_3\text{Al}_5\text{O}_{12}:\text{Pr}$ scintillator crystals. (**Scopus**)

Vol.4 s.056201-1-13

62.

Materials Science and Engineering (JCR)

Drozdowski W. (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), Brylew K. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Łachmański W. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Talik E. (Institute of Physics, University of Silesia, Katowice, Poland), Szubka M. (Institute of Physics, University of Silesia, Katowice, Poland), Kusz J. (Institute of Physics, University of Silesia, Katowice, Poland), Guzik A. (Institute of Physics, University of Silesia, Katowice, Poland), Balin K. (Silesian Center for Education and Interdisciplinary Research,

University of Silesia, Chorzów, Poland), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME), Pajączkowska Anna (ITME)

A deeper insight into (Lu,Y)AG:Pr scintillator crystals. (**Scopus**)
Vol.169 s.012010-1-6

63.

Materials Science in Semiconductor Processing (JCR)

Koczorowski W. (Institute of Physics, Poznan University of Technology, Poznan, Poland; Centre for Advanced Technologies, Adam Mickiewicz University, Poznań, Poland), Kuświk P. (Institute of Molecular Physics, Polish Academy of Sciences, Poznań, Poland; Centre for Advanced Technologies, Adam Mickiewicz University, Poznań, Poland), Przychodnia M. (Institute of Physics, Poznan University of Technology, Poznan, Poland), Wiesner K. (Institute of Physics, Poznan University of Technology, Poznan, Poland), El-Ahmar S. (Institute of Physics, Poznan University of Technology, Poznan, Poland), Szybowski M. (Institute of Physics, Poznan University of Technology, Poznan, Poland), Nowicki M. (Institute of Physics, Poznan University of Technology, Poznan, Poland; Centre for Advanced Technologies, Adam Mickiewicz University, Poznań, Poland), Strupiński Włodzimierz (ITME), Czajka R. (Institute of Physics, Poznan University of Technology, Poznan, Poland)
CMOS- compatible fabrication method of graphene-based micro devices. (**Scopus**)

Vol.67 s.92-97

64.

Materials Science-Poland

Talik E. (Institute of Physics, University of Silesia, Katowice, Poland), Lipińska Ludwika (ITME), Guzik A. (Institute of Physics, University of Silesia, Katowice, Poland), Zajdel P. (Institute of Physics, University of Silesia, Katowice, Poland), Michalska Monika (ITME), Szubka M. (Institute of Physics, University of Silesia, Katowice, Poland), Kądziołka-Gawęł M. (Institute of Physics, University of Silesia, Katowice, Poland), Paul R.L. (Analytical Chemistry Division, National Institute of Standards and Technology, Gaithersburg, USA)

Formation of Fe and Ni substituted $\text{LiMn}_{2-x}\text{M}_x\text{O}_4$ nanopowders and their crystal and electronic structure and magnetic properties.

Vol.35 nr 1 s.159-172

65.

Mechanik

Bakoń Andrzej (ITME), Barylski A. (Gdańsk University of Technology, Faculty of Mechanical Engineering, Gdańsk, Poland)

Structures of diamond tool composites. nr 7

66.

Nano Research (JCR)

Dąbrowski Paweł (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), Pasternak Iwona (ITME), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME), Kopciuszyński M. (Institute of Physics, Maria Curie-Skłodowska, Lublin, Poland), Zdyb R. (Institute of Physics, Maria Curie-Skłodowska, Lublin, Poland), Jałochowski M. (Institute of Physics, Maria Curie-Skłodowska, Lublin, Poland), Lutsyk J. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland; Department of Solid State Physics, Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine), Klusek Z.

(Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland)

The study of the interactions between graphene and Ge(001)/Si(001). (**Scopus**)
s.3468-3661

67.

Nanomaterials (JCR)

Habibpour O. (Microwave Electronics Laboratory, Department of Microtechnology and Nanoscience, Chalmers University of Technology, Goeborg, Sweden), Strupiński Włodzimierz (ITME), Rorsman N. (Microwave Electronics Laboratory, Department of Microtechnology and Nanoscience, Chalmers University of Technology, Goeborg, Sweden), Ciepielewski Paweł (ITME), Zirath H. (Microwave Electronics Laboratory, Department of Microtechnology and Nanoscience, Chalmers University of Technology, Goeborg, Sweden)

Generic graphene based components and circuits for millimeter wave high data-rate communication systems.

Vol.2 nr 58-59 s.3559-3564

68.

Nanoscale (JCR)

Melios C. (National Physical Laboratory, Teddington, UK; Advanced Technology Institute, University of Surrey, Guildford, UK), Winters M. (Chalmers University of Technology, Department of Microtechnology and Nanoscience, Goteborg, Sweden), Strupiński Włodzimierz (ITME), Panchal V. (National Physical Laboratory, Teddington, UK), Giusca C.E. (National Physical Laboratory, Teddington, UK), Jayawardena K.D.G.I. (Advanced Technology Institute, University of Surrey, Guildford, UK), Rorsman N. (Chalmers University of Technology, Department of Microtechnology and Nanoscience, Goteborg, Sweden), Silva S.R.P. (Advanced Technology Institute, University of Surrey, Guildford, UK), Kozakova O. (National Physical Laboratory, Teddington, UK)

Tuning epitaxial graphene sensitivity to water by hydrogen intercalation. (**Scopus**)
Vol.9 s.3440-3448

69.

Michałowski Paweł (ITME), Gutowski P. (Institute of Electron Technology, Warsaw, Poland), Pierścińska D. (Institute of Electron Technology, Warsaw, Poland), Pierściński K. (Institute of Electron Technology, Warsaw, Poland), Bugajski M. (Institute of Electron Technology, Warsaw, Poland), Strupiński Włodzimierz (ITME) (ENT SA, Warsaw, Poland)

Characterization of the superlattice region of a quantum cascade laser by secondary ion mass spectrometry. (**Scopus**)

Vol.9 s.17571-17575

70.

Nature Communications (JCR)

Bueno R.A. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Martinez J. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Luccas R.F. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain; Instituto de Fisica Rosario-CONICET-UNR, Rosario, Argentina), Arbol N.R. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Munuera C. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Palacio I. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain),

Palomares F.J. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Lauwaet K. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Thakur S. (Sincrotrone Trieste, Basovizza, Italy), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME), Lopez M.F. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Mompean F. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Garcia-Hernandez M. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain), Martin-Gago J. A. (Materials Science Factory, Instituto de Ciencia de Materiales de Madrid-CSIC, Madrid, Spain)

Highly selective covalent organic functionalization of epitaxial graphene. (**Scopus**)
Vol.8 s.15306-1-9

71.

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

Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Thome L. (Centre de Sciences Nucleaires et de Sciences de la Matiere , Universite Oaris-Saclay, France), Chartier A. (DEN-Service de la Corrosion et du Comportement des Materiaux dans leur Environnement (SCCME), CEA, Universite Paris-Saclay, France), Dorosh O. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Mieszczyński C. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Józwick Iwona (ITME)

Damage accumulation studies in ion-irradiated oxides: Current status and new perspectives.

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Józwick Iwona (ITME), Zieliński M.S. (Attolight AG, EPFL, Innovation Park/Bldg, Lausanne, Switzerland), Azarov A. (Department of Physics, Centre for Materials Science and nanotechnology, University of Oslo, Norway), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Mieszczyński C. (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)

Low energy cathodoluminescence analysis of damage build-up in ion irradiated spinel mono- and polycrystals.

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73.

Stabrawa I. (Institute of Physics, Jan Kochanowski University, Kielce, Poland; Holycross Cancer, Kielce, Poland), Kubala-Kukuś A. (Institute of Physics, Jan Kochanowski University, Kielce, Poland; Holycross Cancer, Kielce, Poland), Szary K. (Institute of Physics, Jan Kochanowski University, Kielce, Poland), Braziewicz J. (Institute of Physics, Jan Kochanowski University, Kielce, Poland), Czub J. (Institute of Physics, Jan Kochanowski University, Kielce, Poland), Jabłoński Ł. (Institute of Physics, Jan Kochanowski University, Kielce, Poland), Jagodziński P. (Department of Mathematics and Physics, University of Technology, Kilece, Poland), Sobota D. (Institute of Physics, Jan Kochanowski University, Kielce, Poland), Pajek M. (Institute of Physics, Jan Kochanowski University, Kielce, Poland), Skrzypiec K. (Department of Chemistry, Maria Curie-Skłodowska University, Lublin, Poland), Mendyk E. (Department of Chemistry, Maria Curie-Skłodowska University, Lublin, Poland), Teodorczyk Marian (ITME)

Modification of gold and titanium nanolayers using slow highly charged Xe q^+ ions.
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Gawlik Grzegorz (ITME), Ciepielewski Paweł (ITME), Baranowski Jacek (ITME), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock, Poland)

Graphene defects induced by ion beam.

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

Modification of graphene by ion beam.

Vol.406 s.683-688

76.

Kurpaska L. (National Center for Nuclear Research, Otwock-Świerk, Poland), Frelek-Kozak M. (National Center for Nuclear Research, Otwock-Świerk, Poland), Nowakowska-Langier K. (National Center for Nuclear Research, Otwock-Świerk, Poland), Lesniak M. (Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Kraków, Poland), Jasiński J. (Institute of Logistics and International Management, Częstochowa, Poland), Jagielski Jacek (ITME) (National Center for Nuclear Research, Otwock-Świerk, Poland)

Structural and mechanical properties of Ar-ion irradiated YSZ single-crystals grown in different crystallographic orientations. (**Scopus**)

Vol.409 s.81-85

77.

Paszkwicz W. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Shekhovtsov A. (Institute for Single Crystals, NAS of Ukraine, Kharkov, Ukraine), Kosmyna M. (Institute for Single Crystals, NAS of Ukraine, Kharkov, Ukraine), Loiko P. (ITMO University, Saint-Petersburg, Russian Federation), Vilejshikova E. (Center for Optical Materials and Technologies, Belarusian National Technical University, Minsk, Belarus), Minikayev R. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Romanowski P. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Wierzchowski Wojciech (ITME), Wieteska K. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Paulmann C. (HASYLAB at DESY, Hamburg, Germany), Bryleva E. (Institute for Single Crystals, NAS of Ukraine, Kharkov, Ukraine), Belikov K. (Institute for Single Crystals, NAS of Ukraine, Kharkov, Ukraine), Fitch A. (European Synchrotron, ESRF, Grenoble Cedex, France)

Structure and Thermal expansion of $Ca_9Gd(VO_4)_7$: A combined powder-diffraction and dilatometric study of a Czochralski-grown crystal. (**Scopus**)

Vol.411 s.100-111

78.

Nuclear Materials and Energy

Fortuna-Zaleśna E. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Grzonka Justyna (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Rubel M. (Department of Fusion Plasma Physics, Royal Institute of Technology, Stockholm, Sweden), Garcia-Carrasco

A. (Department of Fusion Plasma Physics, Royal Institute of Technology, Stockholm, Sweden), Widdowson A. (CCEF< Culham Science Centre, Abingdon, UK), Baron-Wiechec A. (CCEF< Culham Science Centre, Abingdon, UK), Ciupiński L. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), JET Contributions (EUROfusion, JET, Culham Science Centre, Abingdon, UK)

Studies of dust from JET with the ITER-Like wall: Composition and internal structure.

(Scopus)

Vol.12 s.582-587

79.

Manhard A. (Max Planck Institute for Plasma Physics, Garching, Germany), von Toussaint U. (Max Planck Institute for Plasma Physics, Garching, Germany), Balden M. (Max Planck Institute for Plasma Physics, Garching, Germany), Elgeti S. (Max Planck Institute for Plasma Physics, Garching, Germany), Schwartz-Selinger T. (Max Planck Institute for Plasma Physics, Garching, Germany), Gao L. (Max Planck Institute for Plasma Physics, Garching, Germany), Kasper S. (Max Planck Institute for Plasma Physics, Garching, Germany; Physik-Department, Technische Universität München, James-Frank, Garching, Germany), Płociński T. (Warsaw University of Technology, Faculty of Materials Science and Engineering, materials Design Division, Warsaw, Poland), Grzonka Justyna (ITME) (Warsaw University of Technology, Faculty of Materials Science and Engineering, materials Design Division, Warsaw, Poland), Gloc M. (Warsaw University of Technology, Faculty of Materials Science and Engineering, materials Design Division, Warsaw, Poland), Ciupiński Ł. (Warsaw University of Technology, Faculty of Materials Science and Engineering, materials Design Division, Warsaw, Poland)

Microstructure and defect analysis in the vicinity of blisters in polycrystalline tungsten. **(Scopus)**

Vol.12 s.714-719

80.

Nukleonika (JCR)

Grabias Agnieszka (ITME), Basykh V. (Faculty of Materials Science and Engineering, Warsaw University of Technology), Ferenc J. (Faculty of Materials Science and Engineering, Warsaw University of Technology), Cieślak G. (Faculty of Materials Science and Engineering, Warsaw University of Technology), Kulik T. (Faculty of Materials Science and Engineering, Warsaw University of Technology), Kopcewicz Michał (ITME)

Mössbauer and magnetic studies of FeCoNiCuNbSiB nanocrystalline alloys. **(Scopus)**
Vol.62 nr 2 s.79-84

81.

Malczewski D. (University of Silesia, Faculty of Earth Sciences, Sosnowiec, Poland), Grabias Agnieszka (ITME)

Preliminary results of ^{57}Fe Mossbauer spectroscopy of metamict samarskite after one-hour high temperature annealing in argon. **(Scopus)**

Vol.62 nr 2 s.141-144

82.

Optical and Quantum Electronics (JCR)

Xuan K.D. (Department of Physics, Vinh University, Vinh City, Vietnam), Van L.C. (Department of Physics, Vinh University, Vinh City, Vietnam), Long V.C. (Institute of Physics, University of Zielona Góra, Poland), Dinh Q.H. (Department of Physics, Vinh

University, Vinh City, Vietnam), Mai L.V. (Department of Physics, Vinh University, Vinh City, Vietnam), Trippenbach M. (Faculty of Physics, University of Warsaw, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Influence of temperature on dispersion properties of photonic crystal fibers infiltrated with water. **(Scopus)**
Vol.49 s.87-1-12

83.

Optical Materials (JCR)

Cimek Jarosław (ITME) (Faculty of Physics, University of Warsaw, Poland), Stępień Ryszard (ITME), Klimczak Mariusz (ITME), Zalewska Izabela (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Development of thermally stable glass from SiO₂-Bi₂O₃-PBO-ZnO-BaO oxide system suitable for all-solid photonic crystal fibers. **(Scopus)**
Vol.73 s.277-283

84.

Malinowski M. (Institute of Microelectronics and Optoelectronics WUT, Warsaw, Poland), Kaczkan M. (Institute of Microelectronics and Optoelectronics WUT, Warsaw, Poland), Turczyński Sebastian (ITME)

Energy transfer and upconversion on Sm³⁺ ions in YAlO₃. **(Scopus)**
Vol.63 s.128-133

85.

Optical Materials Express (JCR)

Cimek Jarosław (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Liaros N. (Department of Physics, University of Patras, Greece; Institute of Chemical Engineering Sciences (ICE-HT), Foundation for Research and Technology-Hellas (FORTH), Patras, Greece), Couris S. (Department of Physics, University of Patras, Greece; Institute of Chemical Engineering Sciences (ICE-HT), Foundation for Research and Technology-Hellas (FORTH), Patras, Greece), Stępień Ryszard (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Experimental investigation of the nonlinear refractive index of various soft glasses dedicated for development of nonlinear photonic crystal fibers. **(Scopus)**
Vol.7 nr 10 s.3471-3483

86.

Optics Communications (JCR)

Pniewski J. (University of Warsaw, Faculty of Physics, Warsaw, Poland), Ramaniuk A. (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kasztelan Rafal (ITME), Śmietana M. (Warsaw University of Technology, Institute of Microelectronics and Optoelectronics, Warsaw, Poland), Trippenbach M. (University of Warsaw, Faculty of Physics, Warsaw, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Applicability of suspended-core fibers for attenuation-based label-free biosensing. **(Scopus)**
Vol.402 s.290-295

87.

Optics Express (JCR)

Kasztelanic Rafał (ITME), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Waddie A.J. (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; Faculty of Physics, University of Warsaw, Warszawa, Poland)

High resolution Shack-Hartmann sensor based on array of nanostructured GRIN lenses.

Vol.25 nr 3 s.1680-1691

88.

Siwicki Bartłomiej (ITME), Filipkowski Adam (ITME), Kasztelanic Rafał (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Nanostructured graded-index core chalcogenide fiber with all-normal dispersion-design and nonlinear simulations. **(Scopus)**

Vol.25 nr 11 s.12984-12998

89.

Switkowski K. (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland; Science Program, Texas A&M University at Qatar, Doha, Qatar), Anuszkiewicz Alicja (ITME), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Królikowski W. (Science Program, Texas A&M University at Qatar, Doha, Qatar; Laser Physics Centre, Research School of Physics and Engineering, Australian National University, Canberra, Australia), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Formation of optical vortices with all-glass nanostructured gradient index masks.

(Scopus)

Vol.25 nr 25 s.31443-31450

90.

Optics Letters (JCR)

Sotor J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wrocław University of Science and Technology, Poland), Bogusławski J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wrocław University of Science and Technology, Poland), Martynkien T. (Department of optics and Photonics, Faculty of Fundamental Problems of Technology, Wrocław University of Science and Technology, Wrocław, Poland), Krajewska Aleksandra (ITME), Przewłoka Aleksandra (ITME), Strupiński Włodzimierz (ITME), Soboń G. (Laser & Fiber Electronics Group, Faculty of Electronics, Wrocław University of Science and Technology, Poland)

All-polarization-maintaining, stretched-pulse Tm-doped fiber laser, mode-locked by a graphene saturable absorber. **(Scopus)**

Vol.42 nr 8 s.1592-1595

91.

Opto-Electronics Review (JCR)

Piecek W. (Military University of Technology (MUT), Warsaw, Poland), Jaroszewicz L. (Military University of Technology (MUT), Warsaw, Poland), Miszczyk E. (University of Technology and Humanities in Radom (UTH), Radom, Poland), Raszewski Z. (Military University of Technology (MUT), Warsaw, Poland), Mrukiewicz M. (Military University of Technology (MUT), Warsaw, Poland), Kula P. (Military University of Technology (MUT), Warsaw, Poland), Jasek K. (Military University of Technology (MUT), Warsaw, Poland), Perkowski P. (Military University of Technology (MUT), Warsaw, Poland), Nowinowski-Kruszelnicki E. (Military University of Technology (MUT), Warsaw, Poland), Zieliński J. (Military University of Technology (MUT), Warsaw, Poland), Kędziński J. (Military University of Technology (MUT), Warsaw, Poland), Olifierzczuk M. (Military University of Technology (MUT), Warsaw, Poland), Chodorow U. (Military University of Technology (MUT), Warsaw, Poland), Morawiak P. (Military University of Technology (MUT), Warsaw, Poland), Mazur R. (Military University of Technology (MUT), Warsaw, Poland), Mazur R. (Military University of Technology (MUT), Warsaw, Poland), Kowiorski Krystian (ITME), Harmata p. (Military University of Technology (MUT), Warsaw, Poland)

Mid-wave infrared liquid crystal shutter for breathalyzed applications. (**Scopus**)
Vol.25 s.103-109

92.

Suproniuk M. (Military University of Technology, Warszawa, Poland), Kamiński Paweł (ITME), Kozłowski Roman (ITME), Pawłowski M. (Military University of Technology, Warszawa, Poland), Wierzbowski M. (Military University of Technology, Warszawa, Poland)

Current status of modelling the semi-insulating 4H-SiC transient photoconductivity for application to photoconductive switches.

Vol.25 s.103-109

93.

Oxidation of Metals (JCR)

Kurpaska Ł. (National Center for Nuclear Research, Otwock-Świerk, Poland), Frelek-Kozak M. (National Center for Nuclear Research, Otwock-Świerk, Poland), Grosseau-Poussard J.L. (LaSIE UMR-CNRS 7356, Pole Science Et Technologie, Universite de La Rochelle, St M. Crepeau, Cedex, France), Józwiak Iwona (ITME), Lahoche L. (Laboratoire Des Technologies Innovates, Universite de Picarde Jules-Verne, Amiens Cedex, France), Favergeon J. (Laboratoire Rabelval UMR7337, Universite de Technologie de Compiègne Centre de Recherche de Royallieu, Compiègne Cedex, France), Jagielski Jacek (ITME) (National Center for Nuclear Research, Otwock-Świerk, Poland)

Identification of the zirconia phases by means of Raman spectroscopy for specimens prepared by FIB lift-out technique. (**Scopus**)

Vol.88 s.521-530

94.

Photonics Letters of Poland

Michalik D.A. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Jung P.S. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Klus B.W. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Kowalik Andrzej (ITME), Rojek Anna (ITME), Laudyn U.A. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Karpierz M.A. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland)

Chromium thin-film polarizer for high intensity light.
Vol.9 nr 3 s.76-78

95.

Photonics Research (JCR)

Klimczak Mariusz (ITME), Siwicki Bartłomiej (ITME), Heidt A. (Institute of Applied Physics, University of Bern, Switzerland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Coherent supercontinuum generation in soft glass photonic crystal fibers. (**Scopus**)
Vol.5 nr 6 s.710-727

96.

Physica B-Condensed Matter (JCR)

Królicka Aleksandra (ITME), Michalska Monika (ITME)

Comparison of different sintering methods of $Pb_{1-x}Cr_xTe$ thermoelectric nanocomposites doped with iodine. (**Scopus**)

Vol.520 s.89-96

97.

Physica Scripta (JCR)

Fortuna-Zaleśna E. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Grzonka Justyna (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Moon S. (Royal Institute of Technology (KTH), Stockholm, Sweden), Rubel M. (Royal Institute of Technology (KTH), Stockholm, Sweden), Petersson P. (Royal Institute of Technology (KTH), Stockholm, Sweden), Widdowson A. (Culham Centre for Fusion Energy, Culham Science Centre, Abingdon, United Kingdom)

Fine metal dust particles on the wall probes from JET-ILW.
Vol.T170 s.014038-1-9

98.

Physica Status Solidi C-Current Topics in Solid State Physics

Lauer K. (CiS Forschungsinstitut for Mikrosensorik GmbH, Erfurt, Germany), Xu X. (CiS Forschungsinstitut for Mikrosensorik GmbH, Erfurt, Germany), Karolewski D. (CiS Forschungsinstitut for Mikrosensorik GmbH, Erfurt, Germany), Gohs U. (Leibniz-Institut for Polymerforschung Dresden, Germany), Kwestarz M. (Topsil Semiconductors sp. z o.o., Poland), Kamiński Paweł (ITME), Taschner R. (CiS Forschungsinstitut for Mikrosensorik GmbH, Erfurt, Germany), Klein T. (CiS Forschungsinstitut for Mikrosensorik GmbH, Erfurt, Germany), Wittig T. (CiS Forschungsinstitut for Mikrosensorik GmbH, Erfurt, Germany), Roder R. (CiS Forschungsinstitut for Mikrosensorik GmbH, Erfurt, Germany), Ortlepp T. (CiS Forschungsinstitut for Mikrosensorik GmbH, Erfurt, Germany)

Impact of electron irradiation on N- and O-enriched FZ silicon p-n-n pad radiation detectors.s.1700019-1-6

99.

Przegląd Elektrotechniczny

Kraśniewski J. (Politechnika Koszalińska, Wydział Elektroniki i Informatyki), Oleksy M. (Intel Technology Poland, Gdańsk), Rudziński Mariusz (ITME), Szysiak Agnieszka (ITME)

Wpływ temperatury na charakterystyki widmowe luminoforów $Y_3Al_5O_{12}$ domieszkowanych Ce.

Vol.93 nr 8 s.114-116

100.

RSC Advances (JCR)

Krajewski M. (Faculty of Chemistry, University of Warsaw, Poland), Hamankiewicz B. (Faculty of Chemistry, University of Warsaw, Poland; Biological and Chemical Research Centre, University of Warsaw, Poland), Michalska Monika (ITME), Andrzejczuk M. (Faculty of Materials Science Engineering, Warsaw University of Technology, Poland), Lipińska Ludwika (ITME), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland; Industrial Chemistry Research Institute, Warsaw, Poland)

Electrochemical properties of lithium-titanium oxide, modified with Ag-Cu particles, as a negative electrode for lithium-ion batteries. (**Scopus**)

Vol.7 s.52151-52164

101.

Olmos J.D.J. (Solar Fuels Laboratory, Centre for New Technologies, University of Warsaw, Poland; Faculty of Biology, University of Warsaw, Poland), Becquet P. (Carinthia University of Applied Sciences, Villach, Austria), Gront D. (Laboratory of Theory of Biopolymers, Faculty of Chemistry, University of Warsaw, Poland), Sar Jarosław (ITME), Dąbrowski Andrzej (ITME), Gawlik Grzegorz (ITME), Teodorczyk Marian (ITME), Pawlak Dorota (ITME) (Laboratory of Materials Technology, Centre for New Technologies, University of Warsaw, Poland), Kargul J. (Solar Fuels Laboratory, Centre for New Technologies, University of Warsaw, Poland)

Biofunctionalisation of p-doped nsilicon with cytochrome c553 minimises charge recombination and enhances photovoltaic performance of the all-solid-state photosystem I-based biophotocathode. (**Scopus**)

Vol.7 s.47854-47866

102.

Science of Sintering (JCR)

Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Strojny-Nędza Agata (ITME), Kaszyca Kamil (ITME), Zybała R. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Bazarnik P. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Lewandowska M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Nosewicz S. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland)

Microstructure and thermal properties of Cu-SiC composite materials depending on the sintering technique. (**Scopus**)

Vol.49 s.11-22

103.

Scientific Reports (JCR)

Habibpour O. (Chalmers University of Technology, Gothenburg, Sweden), He Z.S. (Chalmers University of Technology, Gothenburg, Sweden), Strupiński Włodzimierz (ITME), Rorsman N. (Chalmers University of Technology, Gothenburg, Sweden), Zirath H. (Chalmers University of Technology, Gothenburg, Sweden)

Wafer scale millimeter-wave integrated circuits based on epitaxial graphene in high data rate communication. (**Scopus**)

Vol.7 s.1-8

104.

Michałowski Paweł (ITME), Kaszub Wawrzyniec (ITME), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME)

Graphene enhanced secondary ion mass spectrometry (GESIMS). (**Scopus**)
Vol.7 nr 7479 s.1-8

105.

Osewski Paweł (ITME), Belardini A. (University of Roma "La Sapienza", Roma, Italy), Petronijevic E. (University of Roma "La Sapienza", Roma, Italy), Centini M. (University of Roma "La Sapienza", Roma, Italy), Leahu G. (University of Roma "La Sapienza", Roma, Italy), Diduszko Ryszard (ITME), Pawlak Dorota (ITME) (Centre of New Technologies University of Warsaw, Poland), Sibilica C. (University of Roma "La Sapienza", Roma, Italy)

Self-phase-matched second-harmonic and white-light generation in a biaxial zinc tungstate single crystal. (**Scopus**)
Vol.7 s.45247-1-9

106.

Semiconductor Science and Technology (JCR)

Lemettinen J. (Department of Micro- and Nanosciences, Aalto University, Aalto, Finland), Kauppinen C. (Department of Micro- and Nanosciences, Aalto University, Aalto, Finland), Rudziński Mariusz (ITME), Haapalinna A. (Okmetic Oyj, Piitie 2, Koivuhaka, Finland), Tuomi T.O. (Department of Micro- and Nanosciences, Aalto University, Aalto, Finland), Suihkonen S. (Department of Micro- and Nanosciences, Aalto University, Aalto, Finland)

MOVPE growth of GaN on 6-inch SOI-substrates: effect of substrate parameters on layer quality and strain. (**Scopus**)
Vol.32 s.045003-1-9

107.

Thin Solid Films (JCR)

Guziewicz E. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Ratajczak R. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland; National Centre for Nuclear Research, Otwock, Poland), Stachowicz M. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Snigurenko D. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Krajewski T.A. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Mieszczyński C. (National Centre for Nuclear Research, Otwock, Poland), Mazur Krystyna (ITME), Witkowski B.S. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Dłużewski P. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Morawiec K. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock, Poland)

Atomic layer deposited ZnO films implanted with Yb: The influence of Yb location on optical and electrical properties. (**Scopus**)
Vol.643 s.7-15

108.

Ratajczak R. (National Centre for Nuclear, Otwock-Świerk, Poland), Mieszczyński C. (National Centre for Nuclear, Otwock-Świerk, Poland), Prucnal S. (Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany), Guziewicz E. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Stachowicz M. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Snigurenko D. (Institute of Physics, Polish Academy

of Sciences, Warsaw, Poland), Gaca Jarosław (ITME), Wójcik Marek (ITME), Bottger R. (Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany), Heller R. (Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany), Skorupa W. (Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany), Borany J.V. (Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany), Turos Andrzej (ITME) (National Centre for Nuclear, Otwock-Świerk, Poland)

Structural and optical studies of Pr implanted ZnO films subjected to a long-time or ultra-fast thermal annealing. (**Scopus**)

Vol.643 s.24-30

109.

Wierzbicka Edyta (ITME), Malinowska Agnieszka (ITME), Wierzchowski Wojciech (ITME), Hartwig J. (European Synchrotron (ESRF), Grenoble, France), Tran Thi T.N. (European Synchrotron (ESRF), Grenoble, France), Kisielewski Jarosław (ITME), Mazur Krystyna (ITME)

Investigation of structural defects in ytterbium doped calcium gadolinium aluminate crystals by means of the synchrotron and conventional diffraction topography.

Vol.643 s.16-23

110.

Ultrasonics Sonochemistry (JCR)

Magdziarz A. (Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Colmenares J.C. (Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Chernyayeva O. (Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Lisovytskiy D. (Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Grzonka Justyna (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Kurzydłowski K. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Freindl K. (Jerzy Haber Institute of Catalysis and Surface Chemistry PAS, Cracow, Poland), Korecki J. (Jerzy Haber Institute of Catalysis and Surface Chemistry PAS, Cracow, Poland; Faculty of Physics and Applied Computer Science, AGH University of Science and Technology, Cracow, Poland)

Insight into the synthesis procedure of Fe³⁺/TiO₂-based photocatalyst applied in the selective photo-oxidation of benzol alcohol under sun-imitating lamp. (**Scopus**)

Vol.38 s.189-196

111.

Vacuum (JCR)

Kurpaska L. (National Centre for Nuclear Research, Świerk, Poland), Józwik Iwona (ITME), Lewandowska M. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warsaw, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Świerk, Poland)

The effect of Ar-ion irradiation on nanomechanical and structural properties of ODS RAF steels manufactured by using HIP technique. (**Scopus**)

Vol.145 s.144-152

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

1.

17th Conference on Optical Fibers and Their Applications/XVII Konferencja Światłowody i ich Zastosowanie, Supraśl, Polska, 2017.01.23-2017.01.27

Filipkowski Adam (ITME), Piestrzyńska M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland), Pysz Dariusz (ITME), Śmietana M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Warsaw, Poland), Buczyński Ryszard (ITME)

Development of in-line fiber interferometer based on suspended-core and standard single-mode fibres.

Abstract. 1 s., il.

2.

Siwicki Bartłomiej (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kasztelanic Rafał (ITME), Filipkowski Adam (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Nanostructured graded-index core chalcogenide fiber with all-normal dispersion.

Abstract. 1 s., il.

3.

Stafiej Paulina (ITME) (Faculty of Physics, University of Warsaw, Poland), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Hoang V.T. (Faculty of Physics, University of Warsaw, Poland), Cimek Jarosław (ITME) (Faculty of Physics, University of Warsaw, Poland), Waddie A. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University Scottish Universities Physics Alliance, Edinburgh, UK), Klimczak Mariusz (ITME), Taghizadeh M.R. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University Scottish Universities Physics Alliance, Edinburgh, UK), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland; Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University Scottish Universities Physics Alliance, Edinburgh, UK)

Nanostructured microlenses for coupling between single mode fiber and channel waveguides.

Abstract. 1 s., il.

4.

Kasztelanic Rafał (ITME), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME)

Optical fibers with an open side channel.

Abstract. 1 s., il.

5.

Pysz Dariusz (ITME), Koba M. (Warsaw University of Technology, Institute of Microelectronics and Optoelectronics, Warsaw, Poland), Śmietana M. (Warsaw University of Technology, Institute of Microelectronics and Optoelectronics, Warsaw, Poland), Siwicki Bartłomiej (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Shifted-core fiber for evanescent field biosensing.
Abstract. 1 s., il.

6.

Conference on Photonic Instrumentation Engineering IV, San Francisco, USA, 2017.01.31-2017.02.02

Karioja P. (VTT Technical Research Ctr. of Finland Ltd., Finland), Alajoki T. (VTT Technical Research Ctr. of Finland Ltd., Finland), Cherchi M. (VTT Technical Research Ctr. of Finland Ltd., Finland), Ollila J. (VTT Technical Research Ctr. of Finland Ltd., Finland), Harjanne M. (VTT Technical Research Ctr. of Finland Ltd., Finland), Heinilehto N. (VTT Technical Research Ctr. of Finland Ltd., Finland), Soumalainen S. (Tampere University of Technology, Finland), Viheriala J. (Tampere University of Technology, Finland), Zia N. (Tampere University of Technology, Finland), Guina M. (Tampere University of Technology, Finland), Buczyński Ryszard (ITME), Kasztelan Rafal (ITME), Kujawa Ireneusz (ITME), Salo T. (Vaisala Oyj, Finland), Virtanen A. (Vaisala Oyj, Finland), Kluczyński P. (Airoptic Sp z o.o.), Sagberg H. (GasSecure AS, Norway), Ratajczak M. (VIGO System, Poland), Kalinowski P. (VIGO System, Poland)

Multi-wavelength mid-IR light source for gas sensing.

Proceedings of SPIE Vol.10110, article number: UNSP 101100P, 9 pages

7.

Graphene 2017, Barcelona, Hiszpania, 2017.03.28-2017.03.31

Ciepielewski Paweł (ITME), Gawlik Grzegorz (ITME), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME)

Properties of He⁺ ion implanted graphene grown on SiC(0001).

Abstract. 1 s., il., bibliogr.

8.

2017 MRS Spring Meeting & Exhibit, Phoenix, USA, 2017.04.17-2017.04.21

Habibpour O. (Microwave Electronics Laboratory, Department of Microtechnology and Nanoscience, Chalmers, University of Technology, Goeborg, Sweden), Strupiński Włodzimierz (ITME), Rorsman N. (Microwave Electronics Laboratory, Department of Microtechnology and Nanoscience, Chalmers, University of Technology, Goeborg, Sweden), Ciepielewski Paweł (ITME), Zirath H. (Microwave Electronics Laboratory, Department of Microtechnology and Nanoscience, Chalmers, University of Technology, Goeborg, Sweden)

Generic graphene based components and circuits for millimeters wave high data-rate communications systems.

Materiały konferencyjne MRS Spring & Exhibit (MRSS17-2666989.R1) 6 s.

9.

Optics+Optoelectronics, Prague, Czech Republic, 2017.04.24-2017.04.27

Nemecek T. (Czech Technical University in Prague, Czech Republic), Komanec M. (Czech Technical University in Prague, Czech Republic), Suslov D. (Czech Technical University in Prague, Czech Republic), Peterka P. (Institute of Photonics and Electronics of the ASCR, Czech Republic), Pysz Dariusz (ITME), Buczyński R. (University of Warsaw, Poland), Nelsen B. (Westfälische Hochschule Zwickau, Germany), Zvanovec S. (Czech Technical University in Prague, Czech Republic)

Development and characterization of highly-nonlinear multicomponent glass photonic crystal fibers for mid-infrared applications.

Proceedings SPIE 10232, Micro-structured and Specialty Optical Fibers V, Vol.1023204, 8 pages

10.

8th International Conference on Power Electronics for Plasma Engineering, Zielonka, Poland, 2017.05.16-2017.05.18

Lipińska Ludwika (ITME), Woluntarski Michał (ITME), Djas Małgorzata (ITME), Kowiorski Krystian (ITME), Winkowska Magdalena (ITME)

New perspectives innovative technologies.

Conference Proceedings. s.11.1, il.

11.

5th International Biennial Nanomaterials and Nanotechnology Meeting/Nano Ostrava 2017, Ostrava, Czech Republic, 2017.05.22-2017.05.25

Michalska Monika (ITME), Ziółkowska D. (Conn Center for Renewable Energy Research, University of Louisville, USA; Faculty of Physics, University of Warsaw, Poland), Jasiński J. (Conn Center for Renewable Energy Research, University of Louisville, USA), Thapa A.K. (Conn Center for Renewable Energy Research, University of Louisville, USA)

Physicochemical studies of LiMn_2O_4 modified using graphene oxide flakes.

Abstract. 1 s.

12.

Michalska Monika (ITME), Ziółkowska D. (Conn Center for Renewable Energy Research, University of Louisville, USA; University of Warsaw, Faculty of Physics, Warsaw, Poland), Jasiński J. (Conn Center for Renewable Energy Research, University of Louisville, USA), Lee P.H. (Department of Materials Engineering, Tatung University, Taipei, Taiwan), Wu S.H. (Department of Materials Engineering, Tatung University, Taipei, Taiwan)

The effect of Ce ions doped into LiMn_2O_4 - structural. morphological and electrochemical studies.

Abstract. 1 s.

13.

Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments, Wilga, Poland, 2017.05.29-2017.05.29

Lepak S. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Boncel S. (Silesian University of Technology, Gliwice, Poland), Jóźwik Iwona (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Koziół K. (Pembroke College, Cambridge, England)

CNT fibers p-doped with F4TCNQ (2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane).

Proc.SPIE.Vol.10455, Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments. s.104454S-1-4, il., bibliogr.(10.1117/12.2280093)

14.

Dybowska-Sarapuk Łucja (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Janczak D. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Krzemiński J. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Lepak S. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Łękawa-Raus A. (Faculty of Mechatronics Warsaw University

of Technology, Warsaw, Poland), Młozniak Anna (ITME), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland)

Improvement of carbon nanotubes films conductivity for use in biomedical application.

Proc.SPIE Vol.10445, Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments. 6 s., il., bibliogr. (10.1117/12.2280028)

15.

Lepak S. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Lalek B. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Janczak D. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Dybowska-Sarapuk Łucja (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Krzemiński J. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Łękawa-Raus A. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland)

Textile fibers coated with carbon nanotubes for smart clothing applications.

Proc.SPIE Vol.10445, Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments. 7 s., il., bibliogr. (10.1117/12.2282356)

16.

Szałapak J. (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warsaw, Poland), Kielbasiński Konrad (ITME), Krzemiński K. (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warsaw, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warsaw, Poland)

The impact of the proportion of nanoparticles to the spherical microparticles of silver on the connection parameters LTJT.

Proc.SPIE.Vol.10445, Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments. s.104454X-1-7, il., bibliogr. (10.1117/12.2280706)

17.

Optics & Photonics Days 2017, Oulu, Finlandia, 2017.05.29-2017.05.31

Kasztelaniec Rafał (ITME), Kujawa Ireneusz (ITME), Cimek Jarosław (ITME), Buczyński Ryszard (ITME) (Department of Physics, University of Warsaw, Poland)

Fabrication of refractive and diffractive glass elements by using hot embossing. Abstract. 1 s., il., bibliogr.

18.

XL-th IEEE-SPIE Joint Symposium on Photonics, Web Engineering, Electronics for Astronomy and High Energy Physics Experiments, Wilga, Polska, 2017.05.29-2017.06.04

Lisowska Jolanta (ITME) (Faculty of Physics, University of Warsaw, Poland), Anuszkiewicz Alicja (ITME), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME)

Design of fused silica nanostructured gradient index microlenses. Abstract. 1 s.

19.

Galas J. (Maksymilian Pluta Institute of Applied Optics, Warsaw, Poland), Litwin D. (Maksymilian Pluta Institute of Applied Optics, Warsaw, Poland), Wychowaniec M.

(Maksymilian Pluta Institute of Applied Optics, Warsaw, Poland), Daszkiewicz M. (Maksymilian Pluta Institute of Applied Optics, Warsaw, Poland), Radziak K. (Maksymilian Pluta Institute of Applied Optics, Warsaw, Poland), Kozłowski T. (Maksymilian Pluta Institute of Applied Optics, Warsaw, Poland), Czyżewski A. (Maksymilian Pluta Institute of Applied Optics, Warsaw, Poland), Młyńczak J. (Military University of Technology, Warsaw, Poland), Kopczyński K. (Military University of Technology, Warsaw, Poland), Kisielewski Jarosław (ITME), Stępień Ryszard (ITME), Sitarek S. (Maksymilian Pluta Institute of Applied Optics, Warsaw, Poland)

Multiwavelength laser scattering tomography.

Proc.SPIE VOL.10445, Photonics Applications in Astronomy, Communications Industry, and High Energy Physics Experiments 2017; 1044503; 10.1117/12.2280320

20.

Stawicki Kamil (ITME), Franczyk Marcin (ITME), Filipkowski Adam (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Numerical studies on large mode area single-mode fiber with nanostructured core for laser application.

Abstract. 1 s.

21.

30th RD Workshop, Kraków, Poland, 2017.06.05-2017.06.07

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Kozubal Michał (ITME), Wodzyński Maciej (ITME), Dierlamm A. (Karlsruhe Institute of Technology, Germany), Hindrichsen Ch. (Topsil GlobalWafers A/S, Denmark), Jensen L. (Topsil GlobalWafers A/S, Denmark), Roeder R. (CiS Forschungsinstitut für Mikrosensorik GmbH, Germany), Lauer K. (CiS Forschungsinstitut für Mikrosensorik GmbH, Germany), Kwestarz M. (Topsil Semiconductors sp. z o.o., Poland)

Effect of nitrogen doping on characteristics of pad detectors irradiated with high proton fluences.

Report of Abstracts. 1 s. (abstract ID:9)

22.

Krajowa Konferencja Elektroniki, Darłówko Wschodnie, Polska, 2017.06.05-2017.06.09

Ciuk Tymoteusz (ITME) (Instytut Mikroelektroniki i Optoelektroniki, Politechnika Warszawska, Polska), Kaszub Wawrzyniec (ITME), Szymko R. (Wydział Fizyki, Uniwersytet Warszawski, Polska), Michałowski Paweł (ITME), Kozłowski Andrzej (ITME), Kozubal Michał (ITME), Dumiszewska Ewa (ITME), Knypś Piotr (ITME), Przyborowska Krystyna (ITME), Stańczyk Beata (ITME), Góra Krzysztof (ITME), Kowalik Andrzej (ITME), Strupiński Włodzimierz (ITME)

Pasywacja metodą ALD w technologii przyrządów grafenowych i trójzłączowych ogniw koncentratorowych.

Abstrakt. 1 s., il.

23.

15th Conference & Exhibition of the European Ceramic Society, Budapest, Hungary, 2017.06.09-2017.06.13

Boniecki Marek (ITME), Gołębiowski Przemysław (ITME), Wesołowski Władysław (ITME), Woluntarski Michał (ITME), Piątkowska Anna (ITME), Romaniec Magdalena (ITME), Ciepielewski Paweł (ITME), Krzyżak Konrad (ITME)

Alumina/zirconia composites toughened by the addition of graphene flakes.
Abstract. 1 s.

24.

Wajler Anna (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME)

Aqueous tape casting of transparent yttrium aluminum garnet doped with neodymium (Nd:YAG) or chromium (Cr:YAG) ceramics.

Abstract. 1 s.

25.

Eco Innovation Summit, Wrocław, Polska, 2017.06.15-2017.06.18

Michalska Monika (ITME)

Innowacyjne metody wytwarzania materiałów elektrodowych do ogniw i superkondensatorów.

26.

VIII Krajowa Konferencja Nanotechnologii, Łódź, Polska, 2017.06.20-2017.06.23

Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Kurcz Magdalena (ITME), Kurp Katarzyna (ITME), Woluntarski Michał (ITME), Sekuła M. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków), Karnas E. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków), Noga S. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków), Zuba-Surma E. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków)

Grafen płatkowy dla medycyny.

Abstract. 1 s.,il.

27.

Pasternak Iwona (ITME)

Wzrost grafenu na podłożach metalicznych i germanie.

Abstrakt. 1 s.

28.

Złotnik Sebastian (ITME), Sitek J. (Politechnika Śląska, Gliwice), Rosiński Krzysztof (ITME), Caban Piotr (ITME), Rudziński Mariusz (ITME)

Metodyka opracowywania technologii wytwarzania struktury diody ultrafioletowej UV-LED.

Materiały konferencyjne. Abstrakt. s.46, bibliogr. (NNN-W14)

29.

Conference on Lasers and Electro-Optics/Europe and the European Quantum Electronics Conference, Munich, Germany, 2017.06.25-2017.06.29

Kasztelaniec Rafał (ITME), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Department of Physics, Warsaw, Poland)

Light-field camera based on a hexagonal matrix of nanostructured GRIN microlenses.

Abstract. 1 s., il.

30.

European Quantum Electronics Conference, Munich, Germany, 2017.06.25-2017.06.29

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

Fused silica optical fibers with arbitrary gradient index nanostructured core.

Conference Proceedings. Vol.Part F82, code 139018, 1 s.

31.

Hodasi J.M. (Institute of Applied Physics, University of Bern, Bern, Switzerland), Heidt A. (Institute of Applied Physics, University of Bern, Bern, Switzerland), Klimczak Mariusz (ITME), Siwicki Bartłomiej (ITME), Feurer T. (Institute of Applied Physics, University of Bern, Bern, Switzerland)

Femtosecond seeding of a Tm-Ho fiber amplifier by a broadband coherent supercontinuum pulse from an all-solid all-normal photonic crystal fiber.

Conference Proceedings. Vol.Part F82, code 139018, 1 s.

32.

Klimczak Mariusz (ITME), Siwicki Bartłomiej (ITME), Zhou B. (DTU Fotonik, Department of Photonics Engineering, Technical University of Denmark, Denmark), Bache M (DTU Fotonik, Department of Photonics Engineering, Technical University of Denmark, Denmark), Pysz Dariusz (ITME), Bang O. (DTU Fotonik, Department of Photonics Engineering, Technical University of Denmark, Denmark), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Influence of dispersion of nonlinearity on coherent supercontinuum generation bandwidth in photonic crystal fibers pumped at 2 μm .

Conference Proceedings. Vol.Part F81, code 138998, 1 s.

33.

59 Konwersatorium Krystalograficzne, Wrocław, Polska, 2017.06.29-2017.06.30

Diduszko Ryszard (ITME), Malinowska Agnieszka (ITME), Wierzbicka Edyta (ITME)

Ilościowa analiza fazowa - testy na wzorcach NIST.

Streszczenia komunikatów. B73 s.280

34.

Wierzbicka Edyta (ITME), Malinowska Agnieszka (ITME), Wierzchowski Wojciech (ITME), Diduszko Ryszard (ITME), Kisielewski Jarosław (ITME)

Realna struktura monokryształów granatu terbowo-skandowo-glinowego - nowego materiału na izolatory optyczne wykorzystujące efekt Faraday'a.

Streszczenia komunikatów. B-78 s.286-287, il.

35.

19th International Conference on Radiation Effects in Insulators, Versailles, France, 2017.07.02-2017.07.07

Jóźwik Iwona (ITME), Zieliński M.S. (Attolight AG, EPFL Innovation Park/Bldg. D, Lausanne, Switzerland), Azarov A. (Department of Physics, Centre for Materials Science and nanotechnology, University of Oslo, Norway), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Mieszczyński C. (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)

Low energy cathodoluminescence analysis of damage build-up in ion irradiated spinel mono- and polycrystals.

Abstract. 1 s.

36.

Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Thome L. (Centre de Sciences Nucleaires et de Sciences de la Matiere, Universite Paris-Saclay, France), Chartier A. (DEN-Service de la Corrosion et du Comportement des Materiaux dans leur Environnement (SCCME), CEA, Universite Paris-Saclay, France), Dorosh O. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Mieszczyński C. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Jóźwik Iwona (ITME)

Damage accumulation studies in ion-irradiated oxides: Current status and new perspectives.

37.

Jagielski Jacek (ITME), Kosińska A. (National Centre for Nuclear Research, Otwoc, Poland), Ostaszewska U. (Institute for Engineering of Polymer Materials & Dyes, Division of Elastomers & Rubber Technology, Piastów, Poland), Romaniec Magdalena (ITME), Kurpaska Ł. (National Centre for Nuclear Research, Otwoc, Poland), Jóźwik Iwona (ITME)

Ion-irradiated butadiene acrylonitrilerubber reinforced with graphene filler.

38.

19th International Conference on Transparent Optical ICTON, Girona, Spain, 2017.07.02-2017.07.07

Stefaniuk Tomasz (ITME) (Faculty of Physics, University of Warsaw, Poland), Pniewski J. (Faculty of Physics, University of Warsaw, Poland), Klimczak Mariusz (ITME), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Nanostructured optical components: New opportunities and limitations.

Materiały konferencyjne ICTON, MoB5.5 s.1-5, il., bibliogr.(Conference paper, article number 8024750, 1 s.)

39.

20th Internacional Conference on Surface Modification of Materiala by Ion Beams, Lisbon, Portugal, 2017.07.09-2017.07.14

Turos Andrzej (ITME), Jóźwik Przemysław (ITME), Wójcik Marek (ITME), Gaca Jarosław (ITME), Ratajczak R. (Nuclear Centre for Nuclear Research, Otwock-Poland), Stonert A. (Nuclear Centre for Nuclear Research, Otwock-Poland)

Damage buildup in ion bombarded ZnO.

Book of Abstracts. s.30 (O-07)

40.

Kurpaska Ł. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Frelek-Kozak M. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Pawlak W. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Wyszowska E. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Jóźwik Iwona (ITME), Chmielewski Marcin (ITME), Lewandowska M. (Warsaw University of Technology, Warszawa, Poland)

Influence of consolidation process on functional properties of steels.
Book of Abstracts. s.215 (P-37), bibliogr.

41.

Conference on Laser and Electro-Optics Pacific Rim (CLEO-PR), Singapore, Singapore, 2017.07.31-2017.08.04

Bogusławski J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wrocław University of Science and Technology, Poland), Sobon G. (Laser & Fiber Electronics Group, Faculty of Electronics, Wrocław University of Science and Technology, Poland), Przewłoka Aleksandra (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Faculty of Electronics, Wrocław University of Science and Technology, Poland), Sotor J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wrocław University of Science and Technology, Poland)

Numerical simulations of sub-100 fs soliton fiber laser mode-locked by graphene.
Proceedings paper: Conference on Laser and Electro-Optics... 2017, abstract 1 s.

42.

3rd International Conference Advances in Functional Materials, Los Angeles, USA, 2017.08.14-2017.08.17

Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland), Sadecka Katarzyna (ITME), Osewski Paweł (ITME), Gajc Marcin (ITME), Nowaczyński Rafał (ITME) (Centre of New Technologies, University of Warsaw, Poland), Kurowska Marta (ITME), Paszke Piotr (ITME) (Centre of New Technologies, University of Warsaw, Poland), Surma Barbara (ITME), Kłos Andrzej (ITME), Toudert J. (The Institute of Photonic Sciences, Barcelona, Spain)

Crystal growth-based methods used for manufacturing of volumetric composite nanomaterials for plasmonics/metamaterials.

Abstract. 2 s., il.

43.

Sar Jarosław (ITME), Kołodziejek Katarzyna (ITME), Wysmułek Konrad (ITME), Osewski Paweł (ITME), Trenczek-Zajac A. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland), Radecka M. (AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Cracow, Poland), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)

Semiconducting eutectic materials for photoelectrochemical water splitting.

Abstract. 1 s.

44.

III Krajowa Konferencja „Grafen i inne materiały 2D”/3rd Polish Conference „Graphene and 2D materials”, Szczecin, Polska, 2017.09.06-2017.09.08

Dąbrowski P. (Uniwersytet Łódzki), Rogala M. (Uniwersytet Łódzki), Lutsyk I. (Uniwersytet Łódzki), Materna Andrzej (ITME), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME), Kopciuszynski M. (Uniwersytet Marii Curie-Skłodowskiej, Lublin), Jałochowski M. (Uniwersytet Marii Curie-Skłodowskiej, Lublin), Klusek Z. (Uniwersytet Marii Curie-Skłodowskiej, Lublin)

Badanie własności elektronowych układów grafen-izolator topologiczny.

Abstract. 1 s.

45.

XVI International Conference on Electron Microscopy, Jachranka, Polska, 2017.09.10-2017.09.13

Grzonka Justyna (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Pasternak Iwona (ITME), Sobieski Jan (ITME), Strupiński Włodzimierz (ITME)

Application of low voltage scanning electron microscopy for graphene studies.

Abstract. 1 s., il., bibliogr.

46.

42nd FEBS Congress, Jerusalem, Israel, 2017.09.10-2017.09.14

Sekula M. (Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, Poland), Jagiełło Joanna (ITME), Karnas E. (Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, Poland), Noga S. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Dzwigonska M. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Adamczyk E. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Madeja Z. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Lipińska Ludwika (ITME), Zuba-Surma E. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland)

Mesenchymal stem cells and graphene-based substrates as novel grafts in cardiac tissue regeneration.

The FEBS Journal Vol.284, suplement 1, s.240 (P.3.3.B-023)

47.

21st International Conference on Secondary Ion Mass Spectrometry, Kraków, Poland, 2017.09.10-2017.09.15

Michałowski Paweł (ITME), Kaszub Wawrzyniec (ITME), Strupiński Włodzimierz (ITME)

Graphene enhanced secondary ion mass spectroscopy (GESIMS).

Book of Abstracts. s.89 (PB2)

48.

Kaszub Wawrzyniec (ITME), Michałowski Paweł (ITME), Dumiszewska Ewa (ITME), Knyps Piotr (ITME), Grzonka Justyna (ITME), Strupiński Włodzimierz (ITME)

Depth profiling of multijunction solar cell structure.

Book of Abstracts. s.342, il. (SN2)

49.

Jakieła R. (Institute of Physics Polish Academy of Sciences, Warsaw, Poland), Barcz A. (Institute of Physics Polish Academy of Sciences, Warsaw, Poland; Institute of Electronics Technology, Warsaw, Poland), Sarnecki Jerzy (ITME), Celler G.K. (IAMDM and Materials Science Dept. - Rutgers Univ., NJ, United States)

Ultra-high sensitivity SIMS analysis of oxygen in silicon.

Abstract. 2 s. (SN1-Mon2-3-3), bibliogr.

50.

8th International Colloquium Micro-Tribology, Warsaw, Poland, 2017.09.11-2017.09.13

Gawlik Grzegorz (ITME), Piątkowska Anna (ITME)

Tribology of ion beam modified graphene.

Abstract. 1 s.

51.

44 Zjazd Fizyków Polskich, Wrocław, Polska, 2017.09.11-2017.09.15

Kasztelaniec Rafał (ITME), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME)

Macierz nanostrukturalnych gradientowych elementów optycznych: podstawy i zastosowania.

52.

XI Konferencja Polskiego Towarzystwa Ceramicznego, Zakopane, Polska, 2017.09.14-2017.09.17

Gołębiowski Przemysław (ITME), Kaszyca Kamil (ITME)

Porowate struktury ceramiczne wytwarzane metodą freeze-casting.

Abstract. 1 s.

53.

Boniecki Marek (ITME), Wesołowski Władysław (ITME), Gołębiowski Przemysław (ITME), Kaszyca Kamil (ITME), Koziński Rafał (ITME), Piątkowska Anna (ITME), Romaniec Magdalena (ITME), Ciepielewski Paweł (ITME), Krzyżak Konrad (ITME)

Właściwości mechaniczne kompozytu Al_2O_3 -ZrO₂-grafen.

Abstrakt. 1 s.

54.

Wajler Anna (ITME), Nakielska Magdalena (ITME), Węglarz Helena (ITME), Sidorowicz A. (Wydział Inżynierii Materiałowej, PW, Warszawa)

Wpływ dodatku jonów wapnia i magnezu na spiekanie i charakterystyki spektralne polikrystalicznego granatu itrowo-glinowego domieszkowanego chromem.

Abstrakt. 1 s.

55.

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

Wytwarzanie przezroczystych kompozytów Cr:YAG/Nd:YAG metodą odlewania folii wodnych.

Abstrakt. 1 s.

56.

European Congress and Exhibition on Advanced Materials and Processes, Thessaloniki, Greece, 2017.09.17-2017.09.22

Strojny-Nędza Agata (ITME), Pietrzak Katarzyna (ITME), Bańkowska Anna (ITME), Chmielewski Marcin (ITME)

Influence of the type of reinforcements on the thermal properties copper-based composites.

Abstract. 1 s., il.

57.

Pietrzak Katarzyna (ITME), Strojny-Nęcza Agata (ITME), Basista M. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Węglewski W. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland)

The influence of the thermal residual stresses on the thermal properties of multilayered Cu/SiC/Cu systems.

Abstract. 1 s., il.

58.

Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Strojny-Nęcza Agata (ITME), Kaszyca Kamil (ITME), Nosewicz S. (Institute of Fundamental Technological Research, Warsaw, Poland), Jarząbek D. (Institute of Fundamental Technological Research, Warsaw, Poland)

The effect of nickel coating on the properties of Cu-SiC composites.

Abstract. 1 s., il.

59.

European Materials Research Society Fall Meeting, Warszawa, Poland, 2017.09.18-2017.09.21

Turoś Andrzej (ITME), Jóźwik Przemysław (ITME), Wójcik Marek (ITME), Gaca Jarosław (ITME), Ratajczak R. (Narodowe Centrum Badań Jądrowych, Świerk), Stonert A. (Narodowe Centrum Badań Jądrowych, Świerk)

Mechanism of damage buildup in ion bombarded ZnO.

Abstract. 1 s.

60.

Graphene Week 2017, Ateny, Grecja, 2017.09.25-2017.09.29

Ciepielewski Paweł (ITME), Tokarczyk M. (Faculty of Physics, University of Warsaw, Poland), Kowalski G. (Faculty of Physics, University of Warsaw, Poland), Dudyński M. (Modern Technologies and Filtration Sp. z o.o., Warsaw, Poland), Tymicki Emil (ITME), Kwiatkowski K. (Faculty of Physics, University of Warsaw, Poland), Węglarz Helena (ITME), Grzonka Justyna (ITME), Strupiński Włodzimierz (ITME), Polchylova A. (Konopro s.r.o., Ceska Metuje, Czech Republic)

Graphene nanoflakes from hemp bast fiber.

Materiały konferencyjne. s.1-2, il., bibliogr.

61.

Michałowski Paweł (ITME), Kaszub Wawrzyniec (ITME), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME)

Copper-free graphene growth process evaluated by Graphene Enhanced Secondary Ion Mass Spectroscopy (GESIMS).

Abstract. 1 s., il.

62.

XVI International Conference on Electron Microscopy, Jachranka, Poland, 2017.10.10-2017.10.13

Jóźwik Iwona (ITME), Strojny-Nęcza Agata (ITME), Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Kurpaska Ł. (National Centre for Nuclear Research, Otwock-Świerk,

Poland), Nosewicz S. (Institute of Fundamental Technological Research, Polish Academy of Science, Warsaw, Poland)

High resolution SEM characterization of nano-precipitates in ODS steels.

Abstract. 2 s.

63.

5th Workshop on Specialty Optical Fiber and Their Applications, Nikozja, Cypr, 2017.10.11-2017.10.13

Kasztelaniec Rafał (ITME), Stępniewski Grzegorz (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (Institute of Physics, University of Warsaw, Poland)

Supercontinuum spectrum generation in photonics crystal fiber infiltrated with liquids.

Abstract. 2 s., il., bibliogr.

64.

International Thin Films Conference, Hualien, Taiwan, 2017.10.15-2017.10.18

Michalska Monika (ITME), Oberda K. (University of Warsaw Biological and Chemical Research Centre, Warsaw, Poland), Lin J.Y. (Department of Chemical Engineering, Tatung University, Zhongshan North Road, Taipei, Taiwan)

The role of SnO₂ modification on the electrochemical performance of LiMn₂O₄ cathode materials.

Abstract. 1 s., bibliogr.

65.

22nd International Conference and Expo on Nanoscience and Molecular Nanotechnology, Frankfurt, Germany, 2017.11.06-2017.11.08

Michalska Monika (ITME), Lin J.Y. (Department of Chemical Engineering, Tatung University, Taipei, Taiwan)

Development of new innovative synthesis of spinel nano-Li₄Ti₅O₁₂ as anode material to next generation LiBs.

Materiały konferencyjne: J.Nanomed.Nanotechnol.2017, vol.8, issue 6 (suppl). Open access journal; ISSN:2157-7439

66.

III Konferencja Optoelektroniczna, Jachranka-Serock, Polska, 2017.11.08-2017.11.09

Kozłowska Anna (ITME), Małąg Andrzej (ITME), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Węglarz Helena (ITME), Stępień Ryszard (ITME), Kisielewski Jarosław (ITME)

Wysokowydajne laserowe źródła światła dla zastosowań wojskowych i cywilnych.

Materiały konferencyjne. 2 s., il.

67.

7th European Food Safety & Standards Conference, Athens, Greece, 2017.11.13-2017.11.14

Jackowska-Tracz A. (Warsaw University of Life Sciences-SGGW, Poland), Tracz M. (Warsaw University of Life Sciences-SGGW, Poland), Bogdan J. (Warsaw University of Life Sciences-SGGW, Poland), Jach Katarzyna (ITME), Woluntarski Michał (ITME), Szczawińska M. (Warsaw University of Life Sciences-SGGW, Poland), Szczawiński J. (Warsaw University of Life Sciences-SGGW, Poland), Anusz K. (Warsaw University of Life Sciences-SGGW, Poland)

Antimicrobial activity of nanosized graphene and titanium oxides - Its role in food processing hygiene improvement.

Abstract. 1 s.

68.

9 Konferencja Urządzenia i Systemy Radioelektroniczne, Jachranka, Polska, 2017.11.14-2017.11.16

Małąg Andrzej (ITME), Stępień Ryszard (ITME), Pysz Dariusz (ITME), Franczyk Marcin (ITME), Kłos Andrzej (ITME), Kujawa Ireneusz (ITME), Podniesiński Dariusz (ITME), Kisielewski Jarosław (ITME), Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME), Kozłowska Anna (ITME), Pawlak Dorota (ITME), Dumiszewska Ewa (ITME)

Materiały i przyrządy optoelektroniczne dla zastosowań w zakresie bliskiej i średniej podczerwieni.

Materiały konferencyjne. s. 62-63, il., bibliogr.

69.

Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME), Małąg Andrzej (ITME)

Lasery półprzewodnikowe do zastosowań specjalnych wytwarzane w Instytucie Technologii Materiałów Elektronicznych.

Materiały konferencyjne. s.105-106, il.

70.

10th Symposium on Vacuum based Science and Technology, Kołobrzeg, Poland, 2017.11.28-2017.11.30

Myśliński P. (Koszalin University of Technology, Faculty of Technology and Education, Koszalin, Poland), Szparaga Ł. (Koszalin University of Technology, Faculty of Technology and Education, Koszalin, Poland), Golewicz A. (Koszalin University of Technology, Faculty of Technology and Education, Koszalin, Poland), Mydłowska K. (Koszalin University of Technology, Faculty of Technology and Education, Koszalin, Poland), Piątkowska Anna (ITME)

Investigations of the termo-mechanical stability of hybrid layers for tribological applications: Nitrided layer/CrCN coating system.