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**WYKAZ PUBLIKACJI I WYSTĄPIEŃ,
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II. ARTYKUŁY W CZASOPISMACH: OPUBLIKOWANE, PRZYJĘTE DO DRUKU

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RR, Otočec, Slovenia; Centre of Excellence NAMASTE, Ljubljana), Kościelski M. (Tele- and Radio Research Institute, Centre of Advance Technology, Warszawa), Bukat K. (Tele- and Radio Research Institute, Centre of Advance Technology, Warszawa), Janeczek K. (Tele- and Radio Research Institute, Centre of Advance Technology, Warszawa), Kušcer Hrovatin D. (Jozef Stefan Institute, Ljubljana, Slovenia; Centre of Excellence NAMASTE, Ljubljana), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Faculty of Mechantronics)

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Bieliński D.M. (Technical University of Lodz, Institute of Rubber & Dye Technology, Łódź, Poland; Institute for Engineering of Polymer Materials & Dyes, Division of Elastomers & Rubber Technology, Piastów, Poland), Pieczyńska D. (Institute for Engineering of Polymer Materials & Dyes, Division of Elastomers & Rubber Technology, Piastów, Poland), Ostaszewska U. (Institute for Engineering of Polymer Materials & Dyes, Division of Elastomers & Rubber Technology, Piastów, Poland), Jagielski Jacek (ITME) (Andrzej Soltan Institute for Nuclear Studies, Świerk-Otwock, Poland)

Modification of rubber by ion bombardment.
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92.

Jagielski Jacek (ITME) (The Andrzej Soltan Institute for Nuclear Studies, Świerk-Otwock, Poland), Turowski Andrzej (ITME) (The Andrzej Soltan Institute for Nuclear Studies, Świerk-Otwock, Poland), Nowicki L. (The Andrzej Soltan Institute for Nuclear Studies, Świerk-Otwock, Poland), Józwiak Przemysław (ITME) (The Andrzej Soltan Institute for Nuclear Studies, Świerk-Otwock, Poland), Shuttanandan S. (Environmental Molecular Science laboratory, Richmond, USA), Zhang Y. (Oak Ridge National Laboratory, Oak Ridge, USA), Sathish Natarajan (ITME) (The Andrzej Soltan Institute for Nuclear Studies, Świerk-Otwock, Poland), Thome L. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, IN2P3, Universite Paris-Sud, Orsay, France), Stonert A. (The Andrzej Soltan Institute for Nuclear Studies, Świerk-Otwock, Poland), Józwiak-Biała Iwona (ITME)

Monte Carlo simulations of channeling spectra recorded for samples containing complex defects.

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Jagielski Jacek (ITME) (National Center for Nuclear Research, Świerk/Otwock, Poland), Aubert P. (Institut d'Electronique Fondamentale, Universite Paris-Sud, Orsay, France), Maciejak O. (Laboratoire des Millieux Nanometriques, Universite d'Evry-Val d'Essonne, Evry, France), Piątkowska Anna (ITME), Labdi S. (Laboratoire des Millieux Nanometriques, Universite d'Evry-Val d'Essonne, Evry, France), Józwiak-Biała Iwona (ITME), Józwiak Przemysław (ITME), Wajler Anna (ITME)

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Thome L. (Centre de Spectrometrie de Masse, CNRS/IN2P3, Orsay, France), Moll S. (Centre de Spectrometrie de Masse, CNRS/IN2P3, Orsay, France; Pacific Northwest National laboratory, Richland, WA, USA), Debelle A. (Centre de Spectrometrie de Masse, CNRS/IN2P3, Orsay, France), Garrido F. (Centre de Spectrometrie de Masse, CNRS/IN2P3, Orsay, France), Sattonnay G. (LEMHE/ICMMO, Universite Paris-Sud, Orsay, France), Jagielski Jacek (ITME)

Use of channeling for the study of radiation effects in nuclear materials.

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Chmielewski Marcin (ITME), Barlak M. (National Centre for Nuclear Research, Otwock-Świerk), Pietrzak Katarzyna (ITME), Kaliński Dariusz (ITME), Kowalska E. (National Centre for Nuclear Research, Otwock-Świerk), Strojny-Nęcza Agata (ITME)

Tribological effects of ion implantation of Inconel 600.

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Optica Applicata

96.

Bookey H.T. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Buczyński R. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK; University of Warsaw, Faculty of Physics, Warszawa, Poland), Wischniewski A. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Pysz Dariusz (ITME), Kasztelan R. (University of Warsaw, Faculty of Physics, Warszawa, Poland), Waddie A.J. (Heriot-Watt

University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Stepień Ryszard (ITME), Kar A.K. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Taghizadeh M.R. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK)

Near infrared transmission in dual core lead silicate photonic crystal fibres.

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Kujawa Ireneusz (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Martynkien T. (Institute of Physics, Wrocław University of Technology, Wrocław, Poland), Sadowski M. (Institute of Physics, Wrocław University of Technology, Wrocław, Poland), Pysz Dariusz (ITME), Stepień Ryszard (ITME), Waddie A. (School of Engineering and Physical Science, Heriot-Warr University, Edinburg, Scotland, UK), Taghizadeh M.R. (School of Engineering and Physical Science, Heriot-Warr University, Edinburg, Scotland, UK)

Multiple defect core photonic crystal fiber with high birefringence induced by squeezed lattice with elliptical holes in soft glass.

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Baran Magdalena (ITME), Zhydachevskii Y. (Lviv Polytechnic National University, Lviv, Ukraine; Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Suchocki A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Institute of Physics, University of Bydgoszcz, Poland), Reszka A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Warchoń S. (Institute of Nuclear Chemistry and Technology, Warszawa, Poland), Diduszko Ryszard (ITME), Pajączkowska Anna (ITME)

Sol-gel synthesis and luminescent properties of nanocrystalline YAP:Mn.

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Boruc Z. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Fetliński B. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Malinowski M. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Turczyński Sebastian (ITME), Pawlak Dorota (ITME)

Optical transitions intensities of Dy^{3+} : $Y_4Al_2O_9$ crystals.

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100.

Ter-Gabrielyan N. (U.S. Army Research Laboratory, Adelphi, Maryland, USA), Fromzel V. (U.S. Army Research Laboratory, Adelphi, Maryland, USA), Ryba-Romanowski W. (Institute of Low Temperature and Structure Research, Wrocław, Poland), Łukasiewicz Tadeusz (ITME), Dubinskii M. (U.S. Army Research Laboratory, Adelphi, Maryland, USA)

Spectroscopic and laser properties of resonantly (in-band) pumped Er:YVO₄ and Er:GdVO₄ crystals: a comparative study.

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101.

Myroshnychenko V. (Instituto de Quimica-Fisica "Rocasolano" - CSiC, Madrid, Spain), Stefański Andrzej (ITME), Manjavacas A. (Instituto de Quimica-Fisica "Rocasolano" - CSiC, Madrid, Spain), Kafesaki M. (Institute of Electronic Structure and Laser Foundation for Research and Technology Hellas, University of Crete, Heraklion, Crete, Greece), Merino R.I. (Instituto de Ciencia de Materiales de Aragon (Universidad de Zaragoza-CSIC), Facultad de Ciencias, Spain), Orera V.M. (Instituto de Ciencia de Materiales de Aragon (Universidad de Zaragoza-CSIC), Facultad de Ciencias, Spain), Pawlak Dorota (ITME), Javier Garcia de Abajo F. (Instituto de Quimica-Fisica "Rocasolano" - CSiC, Madrid, Spain; Instituto de Ciencia de Materiales de Aragon (Universidad de Zaragoza-CSIC), Facultad de Ciencias, Spain)

Interacting plasmon and phonon polaritons in aligned nano- and microwires.

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Nowosielski J. (School Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK; Faculty of Physics, University of Warsaw, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Waddie A.J. (School Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Filipkowski Adam (ITME) (School Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Pysz Dariusz (ITME), McCarthy A. (School Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Stępień Ryszard (ITME), Taghizadeh M.R. (School Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK)

Large diameter nanostructured gradient index lens.

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103.

Sobon G. (Laser&Fiber Electronics Group., Wrocław University of Technology, Poland), Sotor J. (Laser&Fiber Electronics Group., Wrocław University of Technology, Poland), Jagiełło Joanna (ITME), Koziński Rafał (ITME), Zdrojek M. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Hołdyński M. (Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland), Paletko P. (Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Poland), Bogusławski J. (Laser&Fiber Electronics Group., Wrocław University of Technology, Poland), Lipińska Ludwika (ITME), Abramski K.M. (Laser&Fiber Electronics Group., Wrocław University of Technology, Poland)

Graphene oxide vs. reduced graphene oxide as saturable absorbers for Er-doped passively mode-locked fiber laser.

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Ter-Gabrielyan N. (US Army Research Laboratory, Adelphi, MD, USA), Fromzel V. (US Army Research Laboratory, Adelphi, MD, USA), Ryba-Romanowski W. (Institute of Low Temperature and Structure Research, Wrocław, Poland), Łukasiewicz Tadeusz (ITME), Dubinskii M. (US Army Research Laboratory, Adelphi, MD, USA)

Spectroscopic properties and laser performance of resonantly-pumped cryo-cooled $\text{Er}^{3+}:\text{GdVO}_4$.

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105.

Boruc Z. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland), Kaczkan M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland), Fetliński B. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland), Turczyński Sebastian (ITME), Malinowski M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland)

Blue emission in Dy³⁺ doped Y₄Al₂O₉ crystals for temperature sensing.

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106.

Ter-Gabrielyan N. (U.S. Army Research Laboratory, Attn:LRDRL-SEE-O, Adelphi, Maryland, USA), Fromzel V. (U.S. Army Research Laboratory, Attn:LRDRL-SEE-O, Adelphi, Maryland, USA), Ryba-Romanowski W. (Institute of Low Temperature and Structure Research, Wrocław, Poland), Łukasiewicz Tadeusz (ITME), Dubinskii M. (U.S. Army Research Laboratory, Attn:LRDRL-SEE-O, Adelphi, Maryland, USA)

Efficient, resonantly pumped, room-temperature Er³⁺:GdVO₄ laser.

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107.

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland; School of Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Pniewski J. (Faculty of Physics, University of Warsaw, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Kasztelaniec R. (Faculty of Physics, University of Warsaw, Poland), Kujawa Ireneusz (ITME), Filipkowski Adam (ITME) (School of Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Waddie A.J. (School of Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Taghizadeh M.R. (School of Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK)

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Filipkowski Adam (ITME) (School of Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Waddie A.J. (School of Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Kujawa Ireneusz (ITME), Pysz Dariusz (ITME), Taghizadeh M.R. (School of Engineering and Physical Sciences, Heriot-Watt University, Scotland, UK), Stępień Ryszard (ITME)

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Sobczak Grzegorz (ITME) (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Małąg Andrzej (ITME)

Optimization of phase-locked arrays geometry for high brightness laser systems.

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Borysiuk J. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Faculty of Physics, University of Warsaw, Poland), Sołtys J. (Interdisciplinary Centre for Mathematical and Computational Modeling, University of Warsaw, Poland), Bożek J. (Faculty of Physics, University of Warsaw, Poland), Piechota J. (Interdisciplinary Centre for Mathematical and Computational Modeling, University of Warsaw, Poland), Krukowski S. (Interdisciplinary Centre for Mathematical and Computational Modeling, University of Warsaw, Warszawa, Poland; Institute of High Pressure Physics, Polish Academy of Sciences, Warszawa, Poland), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME) (Faculty of Physics, University of Warsaw, Poland), Stepiński R. (Faculty of Physics, University of Warsaw, Poland)

Role of structure of C-terminated 4H-SiC(0001) surface in growth of graphene layers: Transmission electron microscopy and density functional theory studies.

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111.

Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Poland; Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME) (Faculty of Physics, University of Warsaw, Poland)

Contactless microwave studies of weak localization in epitaxial graphene.

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112.

Wołoś A. (Institute of Physics, Academy of Sciences, Warszawa, Poland; Faculty of Physics, University of Warsaw, Poland), Szyszko S. (Faculty of Physics, University of Warsaw, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Strzelecka Stanisława (ITME), Hruban Andrzej (ITME), Materna Andrzej (ITME), Piersa Mirosław (ITME)

Landau-level spectroscopy of relativistic fermions with low fermi velocity in the Bi₂Te₃ three-dimensional topological insulator.

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Pylypiv V.M. (Vasyl Stefanyl Precarpathian National University (Ivano-Frankivsk), Ukraine), Garpul O.Z. (Vasyl Stefanyl Precarpathian National University (Ivano-Frankivsk), Ukraine), Kotsyubynsky V.O. (Vasyl Stefanyl Precarpathian National University (Ivano-Frankivsk), Ukraine), Ostafiychuk B.K. (Vasyl Stefanyl Precarpathian National University (Ivano-Frankivsk), Ukraine), Mokliak V.V. (Institute for Metal Physics of G.V. Kurdyumov, N.A.S. Ukraine), Kopcewicz Michał (ITME), Syvorotka I.I. (R&D Institute of Materials, SRC "Carat" Department of Crystal Physics and Technology, Ukraine)

Magnetic structure of subsurface layers of single crystalline yttrium-iron garnet films implanted with Si⁺ ions with various energies.

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Ostaszewska U. (Instytut Inżynierii Materiałów Polimerowych i Barwników w Toruniu, Oddział Zamiejscowy Elastomerów i Technologii Gumy w Piastowie), Pieczyńska D. (Instytut Inżynierii Materiałów Polimerowych i Barwników w Toruniu, Oddział Zamiejscowy Elastomerów i Technologii Gumy w Piastowie), Bieliński D.M. (Instytut Inżynierii Materiałów Polimerowych i Barwników w Toruniu, Oddział Zamiejscowy Elastomerów i Technologii Gumy w Piastowie), Jagielski Jacek (ITME) (Instytut Problemów Jądrowych, Otwock-Swierk)

Modyfikacja polimerów za pomocą bombardowania jonowego. Cz.II. Modyfikacja funkcjonalnych właściwości gumy.

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Piątkowska Anna (ITME), Kucharski S. (Instytut Podstawowych Problemów Technicznych, Warszawa)

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Sitek J. (Instytut Tele- i Radiotechniczny, Warszawa), Kościelski M. (Instytut Tele- i Radiotechniczny, Warszawa), Bukat K. (Instytut Tele- i Radiotechniczny, Warszawa), Jakubowska Małgorzata (ITME) (Politechnika Warszawska, Wydział Mechatroniki), Niedzwiedz W. (Politechnika Warszawska, Wydział Mechatroniki), Młóżniak Anna (ITME)

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Sobczak Grzegorz (ITME)

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Rżanek-Boroch Z. (Politechnika Warszawska), Zagrajek Urszula (ITME) (Politechnika Warszawska), Czajkowska D. (Politechnika Warszawska)

Zastosowanie olejku z drzewa herbacianego jako substancji przeciwdrobnoustrojowej w plazmowej modyfikacji folii poliamidowopolietylenowej.

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Nosewicz S. (Instytut Podstawowych Problemów Techniki PAN, Warszawa), Rojek J. (Instytut Podstawowych Problemów Techniki PAN, Warszawa), Pietrzak Katarzyna (ITME) (Instytut Podstawowych Problemów Techniki PAN, Warszawa), Chmielewski Marcin (ITME), Kaliński Dariusz (ITME)

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121.

Gokkavas M. (Nanotechnology Research Center, Blikent University, Ankara, Turkey), Butun S. (Nanotechnology Research Center, Blikent University, Ankara, Turkey; Department of Physics, Blikent University, Ankara, Turkey), Caban Piotr (ITME) (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Strupiński Włodzimierz (ITME), Ozbay E. (Nanotechnology Research Center, Blikent University, Ankara, Turkey; Department of Physics, Blikent University, Ankara, Turkey; Department of Electrical and Electronics Engineering, Blikent University, Ankara, Turkey)

Integrated AlGaN quadruple-band ultraviolet photodetectors.

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Kucharski R. (AMMONO S.A., Warszawa, Poland), Zając M. (AMMONO S.A., Warszawa, Poland), Doradziński R. (AMMONO S.A., Warszawa, Poland), Rudziński Mariusz (ITME), Kudrawiec R. (Institute of Physics, Wrocław University of Technology, Wrocław, Poland), Dwiliński R. (AMMONO S.A., Warszawa, Poland)

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Bukat K. (Tele and Radio Research Institute, Warszawa, Poland), Sitek J. (Tele and Radio Research Institute, Warszawa, Poland), Kościelski M. (Tele and Radio Research Institute, Warszawa, Poland), Jakubowska M. (Warsaw University of Technology, Warszawa, Poland), Słoma M. (Warsaw University of Technology, Warszawa, Poland), Młóżniak Anna (ITME), Niedźwiedz W. (Warsaw University of Technology, Warszawa, Poland)

SAC 305 solder paste with carbon nanotubes - part I: investigation of the influence of the carbon nanotubes on the SAC solder paste properties.

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Janeczek K. (Tele and Radio Research Institute, Warszawa, Poland), Serzysko T. (Tele and Radio Research Institute, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warszawa, Poland), Kozioł G. (Tele and Radio Research Institute, Warszawa, Poland), Młóżniak Anna (ITME)

Mechanical durability of RFID chip joints assembled on flexible substrates.

Solid State Ionics

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Aksienionek Magdalena (ITME) (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Michalska Monika (ITME), Wasiucionek M. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Lipińska Ludwika (ITME), Mirkowska Monika (ITME), Gierlotka S. (Institute of High Pressure Physics, Polish Academy of Science, Warszawa, Poland)

LiFePO₄-carbon composites obtained by high-pressure technique: Synthesis and studies on their structure and physical properties.

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Piątkowska Anna (ITME)

Wpływ grubości warstwy DLC na właściwości tribologiczne w tarciu ślizgowym.
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Bakoń Andrzej (ITME), Barylski A. (Katedra Technologii Maszyn i Automatykacji Produkcji, Wydział Mechaniczny, Politechnika Gdańska)

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**III. REFERATY, KOMUNIKATY, PLAKATY/POSTERY
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MIĘDZYNARODOWYCH, ZAGRANICZNYCH
I KRAJOWYCH**

**Conference of Emerging Liquid Crystal Technologies VII, San Francisco, USA,
2012.01.22-2012.01.25**

1.

Ertman S. (Warsaw University of Technology, Poland), Siarkowska A. (Warsaw University of Technology, Poland), Tefelska M. (Warsaw University of Technology, Poland), Chychłowski M.S. (Warsaw University of Technology, Poland), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (Warsaw University of Technology, Poland)
Electrical tuning of index-guiding photonic liquid crystal fibers.
Proc.of SPIE, Vol.8279, article no 82790T

**9th International Conference on Nanosciences & Nanotechnologies (NN12),
NANOTEXNOLGY 2012, Thessaloniki, Grecja, 2012.02.03-2012.02.06**

2.

Michalska Monika (ITME), Krajewski M. (Faculty of Chemistry, University of Warsaw, Poland), Lipińska Ludwika (ITME), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland), Ziółkowska D. (Faculty of Chemistry, University of Warsaw, Poland)
Structural and electromechanical studies of spinel ($\text{Li}_4\text{Ti}_5\text{O}_{12}$) obtained by sol-gel method as an anode material in lithium ion batteries.
Abstract. 1 s. + plakat

**Integrated Optics-Sensors, Sensing Structures and Methods, Szczyrk, Poland,
2012.02.27-2012.03.01**

3.

Drewniak S. (Department of Optoelectronics, Silesian University of Technology, Gliwice, Poland), Pustelny T. (Department of Optoelectronics, Silesian University of Technology, Gliwice, Poland), Strupiński Włodzimierz (ITME), Pasternak Iwona (ITME)
Characterization of graphene structures by means of Raman spectroscopy.

Nanolight, Benasque, Hiszpania, 2012.03.11-2012.03.17

4.

Gajc Marcin (ITME), Kłós Andrzej (ITME), Sadecka Katarzyna (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)
Plasmonic enhancement of erbium ions photoluminescence in nanocomposites with silver nanoparticles.

5.

Sadecka Katarzyna (ITME) (Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland), Gajc Marcin (ITME), Kłós Andrzej (ITME), Diduszko Ryszard (ITME),

Surma Barbara (ITME), Nikolaenko A. (Optoelectronics Research Centre, University of Southampton, UK), Pawlak Dorota (ITME)

Metallo-dielectric eutectic structures - future of metamaterials?.

Abstract. 1 s., il.

6.

Stefański Andrzej (ITME), Myroshnychenko V. (Instituto de Quimica-Fisica "Rocasolano" - CSiC, Madrid, Spain), de Abajo J.G. (Instituto de Quimica-Fisica "Rocasolano" - CSiC, Madrid, Spain), Pawlak Dorota (ITME)

Surface polaritons in eutectics.

SolarFuell12, Mallorca, Spain, 2012.03.25-2012.03.27

7.

Bieńkowski Krzysztof (ITME), Solarska Renata (ITME), Pawlak Dorota (ITME)

SrTiO₃-TiO₂ and NiTiO₃-TiO₂ eutectic crystals as photoanodes.

III Sympozjum "Fotowoltaika i transparentna elektronika - Perspektywy rozwoju", Świeradów-Zdrój, Polska, 2012.03.29-01.04.2012

8.

Knyps Piotr (ITME), Dumiszewska Ewa (ITME), Wesołowski Marek (ITME), Strupiński Włodzimierz (ITME)

Trójzłączowe ogniwa fotowoltaiczne InGaP/InGaAs/Ge - technologia wytwarzania. Materiały konferencyjne. s.63-68, il., bibliog

Seminars of the International Ph.D. Studies, Warszawa, Poland, 2012.04.04

9.

Sadecka Katarzyna (ITME)

Self-organized metallo-dielectric plasmonic Bi₂O₃-Ag eutectic composite.

Graphen 2012, Bruksela, Belgia, 2012.04.10-2012.04.13

10.

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

SPM investigations of electrical properties of graphene nanostructures on 6H-SiC substrate.

Abstract. 1 s., il.

11.

Dąbrowski Paweł (ITME) (Solid States Physics Department, University of Lodz, Poland), Wlasny I. (Solid States Physics Department, University of Lodz, Poland), Klusek Z. (Solid States Physics Department, University of Lodz, Poland), Kozłowski W. (Solid States Physics Department, University of Lodz, Poland), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME)

Scanning tunnelling spectroscopy investigations of chemical composition of graphene/Cu (111) interface.

Abstract. 2 s., il., bibliogr.

12.

Grodecki Kacper (ITME) (Faculty of Physics, University of Warsaw, Poland), Bożek R. (Faculty of Physics, University of Warsaw, Poland), Strupiński Włodzimierz (ITME), Wymołek A. (Faculty of Physics, University of Warsaw, Poland), Stępniewski R. (Faculty of Physics, University of Warsaw, Poland), Baranowski Jacek (ITME) (Faculty of Physics, University of Warsaw, Poland)

Micro-Raman spectroscopy of graphene grown by CVD on stepped 4H-SiC (0001) surface.

13.

Pasternak Iwona (ITME), Grodecki Kacper (ITME), Dąbrowski P. (Solid States Physics Department, University of Lodz, Poland), Wlasny I. (Solid States Physics Department, University of Lodz, Poland), Klusek Z. (Solid States Physics Department, University of Lodz, Poland), Strupiński Włodzimierz (ITME)

Graphene growth on Cu mono- and polycrystalline substrates.

Abstract. 1 s., il.

14.

Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Zdrojek M. (Warsaw University of Technology, Faculty of Physics, Warszawa, Poland), Talik E. (Institute of Physics, University of Silesia, Katowice, Poland), Andrzejczuk M. (Faculty of Science and Engineering, Warsaw University of Technology, Poland), Lewandowska M. (Faculty of Science and Engineering, Warsaw University of Technology, Poland), Możdżonek Małgorzata (ITME), Aksienionek Agata (ITME), Kiełbasiński Konrad (ITME), Brzozowski Ernest (ITME), Strojny-Nęcza Agata (ITME)

Fabrication of graphene flakes via oxidation-reduction method.

Abstract. 2 s., il.

11th International Technical Systems Degradation Conference, Liptovski Mikulas, Słowacja, 2012.04.11-2012.04.14

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Piątkowska Anna (ITME), Kucharski S. (Institute of Fundamental Technological Research Polish Academy of Sciences, Warszawa, Poland)

Classification of internal damages of the sample with a layer based on acoustic emission and microscopic observations.

Materiały Konferencyjne XI Int. Techn Syst. Degrad. Conf. 2012, s.117-119, il., bibliogr.

Conference on Microstructured and Specialty Optical Fibers, Brussels, Belgium, 2012.04.14-2012.04.19

16.

Nowosielski J.M. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, UK), Filipkowski Adam (ITME) (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, UK), Waddie A.J. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, UK), Kujawa Ireneusz (ITME), Stepień Ryszard (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Poland), Taghizadeh M.R. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, UK)

Diffraction optics development with stack-and-draw technique.
Proc.SPIE Vol.8428, Micro-Optics 84281R, s.1-7, il., bibliogr.

17.

Pniewski J. (University of Warsaw, Faculty of Physics, Poland), Pysz Dariusz (ITME), Stepień Ryszard (ITME), Kujawa Ireneusz (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)

Dispersion properties of all-solid photonic crystal fibers with nanostructured core.
Proc.SPIE Vol.8426, Microstructured and Specialty Optical Fibers 84261J, s.1-6, il., bibliogr.

Conference on Nonlinear Optics and Applications, Brussels, Belgium, 2012.04.16-2012.04.18

18.

Buczyński R. (Faculty of Physics, University of Warsaw, Poland), Bookey H. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburgh, Scotland, UK), Stepień Ryszard (ITME), Pniewski J. (Faculty of Physics, University of Warsaw, Poland), Pysz Dariusz (ITME), Waddie A. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK), Kar A.K. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK), Taghizadeh M.R. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK)

Toward Mid-IR supercontinuum generation in bismuth-lead-galate glass based photonic crystal fibers.
Proc.of SPIE, Vol.8434, Article No 84340Z

Conference on Micro-Optics, Brussels, Belgium, 2012.04.16-2012.04.19

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Nowosielski J. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburgh, Scotland, UK), Buczyński R. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburgh, Scotland, UK), Waddie A.J. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburgh, Scotland, UK), Filipkowski A. (Heriot-Watt

University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Pysz Dariusz (ITME), McCarthy A. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Stepień Ryszard (ITME), Taghizadeh M.R. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK)

Large diameter multilevel graded nanostructured microlens.
Proc.of SPIE. Vol.8428 Article No 84280Q

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Waddie A.J. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Nowosielski J.M. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Filipkowski A. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Stepień Ryszard (ITME), Pysz Dariusz (ITME), Buczyński R. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Taghizadeh M.R. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK)

Customised birefringence in nanostructured micro-optical devices.
Proc.of SPIE. Vol.8428 Article No 84280R

SPIE Photonics Europe 2012, Brussels, Belgium, 2012.04.16-2012.04.20

21.

Pawlak Dorota (ITME), Gajc Marcin (ITME), Bieńkowski Krzysztof (ITME), Kłós Andrzej (ITME), Sadecka Katarzyna (ITME), Stefański Andrzej (ITME), Surma Barbara (ITME)

Self-organized eutectic and metal-dielectric nanoplasmonic composites: manufacturing and properties.

Conference on Microstructured and Specialty Optical Fibers, Brussels, Belgia, 2012.04.17-2012.04.19

22.

Anders K. (Inst.Microelect.&Optoelect., Warszawa, Poland), Florczyk P. (Inst.Microelect.&Optoelect., Warszawa, Poland), Stepień Ryszard (ITME), Pysz Dariusz (ITME), Piramidowicz R. (Inst.Microelect.&Optoelect., Warszawa, Poland)

Erbium doped low photon glasses for application in up-conversion fiber lasers.
Proc.of SPIE. Vol.8426 Article No 84260L

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Filipkowski Adam (ITME), Pysz Dariusz (ITME), Gdula P., Welikow K., Haraśny Krzysztof (ITME), Waddie A.J. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK), Borzycki K., Kraft A., Piramidowicz R., Stepień Ryszard (ITME), Taghizadeh M.R. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Development of large core microstructured polymer optical fiber.
Proceedings of SPIE Vol. 8426 Article No 842616

24.

Kujawa Ireneusz (ITME), Stepień Ryszard (ITME), Waddie A.J. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK), Skrabalak G. (Institute of Advanced Manufacturing Technology, Kraków, Poland),

Taghizadeh M.R. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK), Buczyński Ryszard (ITME)
Development of glass microoptics for MidIR with hot embossing technology.
Proc.SPIE Vol. 8428, Micro-Optics 84281P

25.

Stepień Ryszard (ITME), Pysz Dariusz (ITME), Kujawa Ireneusz (ITME), Pniewski J. (Faculty of Physics, University of Warsaw, Poland), Waddie A.J. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK), Taghizadeh M.R. (Department of Physics, School of Engineering and Physical Sciences Heriot-Watt University, Edinburgh, Scotland, UK), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)
Development of large-core photonic crystal fiber for hyperspectral transmission.
Proceeding of SPIE Vol. 8426, Microstructured and Specialty Optical Fibers 842614

3rd International Conference on Metamaterials, Photonic Crystals and Plasmonic, Paryż, Francja, 2012.04.19-2012.04.22

26.

Stefański Andrzej (ITME), Myroshnychenko V. (Instituto de Quimica-Fisica "Rocasolano" - CSiC, Madrid, Spain), de Abajo J.G. (Instituto de Quimica-Fisica "Rocasolano" - CSiC, Madrid, Spain), Pawlak Dorota (ITME)
Electromagnetic properties of microfibrinous TSAG-TSP eutectic composite.

27.

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Kłós Andrzej (ITME), Diduszko Ryszard (ITME), Surma Barbara (ITME), Nikolaenko A. (Optoelectronic Research Centre, University of Southampton Highfield, UK), Pawlak Dorota (ITME)
Fabrication and characterization of metallodielectric eutectic structures for photonics.

28.

Gajc Marcin (ITME), Kłós Andrzej (ITME), Surma Barbara (ITME), Sadecka Katarzyna (ITME), Zheludev N.I. (Optoelectronic Research Centre, University of Southampton Highfield, UK), Nikolaenko A. (Optoelectronic Research Centre, University of Southampton Highfield, UK), Pawlak Dorota (ITME)
Fabrication of metallodielectric nanocomposites for plasmonic applications through directional solidification.

5th EPS-QEOD EuroPhoton Conference "Solid State, Fibre and Waveguide Coherent Light Sources", Sztokholm, Szwecja, 2012.04.26-2012.04.31

29.

Sobon G. (Laser and Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Sotor J. (Laser and Fiber Electronics Group, Wrocław University of Technology, Wrocław, Poland), Pasternak Iwona (ITME), Grodecki Kacper (ITME), Paletko P. (Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Wrocław, Poland), Strupiński Włodzimierz (ITME), Jankiewicz Zdzisław (ITME), Abramski K.
Graphene saturable absorbers on glass substrates for passive mode-locking of fiber lasers.

Abstract. 1 s., il., bibliogr.

Central European School on Physics Organic Chemistry, Przesieka, Poland, 2012.05.07-2012.05.11

30.

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

Self-organized eutectic micro -and nanostructures and other bottom-up approaches towards applications.

XII Seminarium Powierzchnia i Struktury Cienkowarstwowe, Szklarska Poręba, Polska, 2012.05.09-2012.05.12

31.

Caban Piotr (ITME), Teklińska Dominika (ITME), Strupiński Włodzimierz (ITME)

Heteroepitaxial aluminium nitride as a buffer layer in the III-N compounds MOVPE growth process.

Książka Streszczeń. 1 s.

32.

Dumiszewska Ewa (ITME), Knyps Piotr (ITME) (Warsaw University of Technology, IMiO, Warszawa, Poland), Wesołowski Marek (ITME), Teodorczyk Marian (ITME), Strupiński Włodzimierz (ITME)

III-V solar cells grown on Ge substrates.

Książka Streszczeń. 1 s. bibliogr.

33.

Teklińska Dominika (ITME) (Warsaw University of Technology, Faculty of Materials Science, Warszawa, Poland), Józwik-Biała Iwona (ITME), Kościwicz Kinga (ITME), Caban Piotr (ITME), Strupiński Włodzimierz (ITME), Olszyna A. (Warsaw University of Technology, Faculty of Materials Science, Warszawa, Poland)

Comparison of the surface morphology of 6H-SiC, 4H-SiC and 3H-SiC/Si substrates.

Książka Streszczeń. 1 s.

34.

Tomaszewski Henryk (ITME), Teodorczyk Marian (ITME), Gajewski Michał (ITME)

Wpływ warunków osadzania cienkich warstw dwutlenku tytanu na ich właściwości katalityczne i hydrofilne.

Książka Streszczeń. 1 s.

35th International Spring Seminar on Electronics Technology, Bad Aussee, Austria, 2012.05.09-2012.05.13

35.

Kościelski M. (Tele and Radio Research Institute, Warszawa, Poland), Bukat K. (Tele and Radio Research Institute, Warszawa, Poland), Sitek J. (Tele and Radio Research Institute, Warszawa, Poland), Jakubowska M. (Warsaw University of Technology, Warszawa, Poland), Niedźwiedz W. (Warsaw University of Technology, Warszawa, Poland), Młodziak Anna (ITME)

Sac 305 paste with silver nanopowder and carbon nanotubes addition - basic properties of pastes and solder joints.

Materiały Konferencyjne 35th.Int.Spring Seminar...s.363-366, il., bibliogr.

IX Warszawskie Seminarium Doktorantów Chemików - ChemSession, Warszawa, Polska, 2012.05.10

36.

Michalska Monika (ITME)

Synteza i badania nanoproszków LiMn_2O_4 otrzymanych metodą zol-żel do jonowych baterii litowych.

Abstrakt. 1 s., bibliogr. + plakat

E-MRS 2013 Spring Meeting, Symposium W, Strasbourg, France, 2012.05.14-2012.05.18

37.

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Strzelecka Stanisława (ITME), Hruban Andrzej (ITME), Jurkiewicz-Wegner Elżbieta (ITME), Piersa Mirosław

Application of High-resolution photoinduced transient spectroscopy to controlling properties of defect levels in semi-insulating GaP.

International Symposium on Ceramic Materials and Components for Energy and Environmental Applications, Dresden, Germany, 2012.05.20-2012.05.23

38.

Węglarz Helena (ITME), Kozłowska Anna (ITME), Nakielska Magdalena (ITME), Sidorowicz Agata (ITME), Tomaszewski Henryk (ITME), Wajler Anna (ITME)

Optical parameters of polycrystalline ytterbium doped yttrium-aluminium garnet (Yb:YAG).

Program and Abstracts. s.123

39.

Wajler Anna (ITME), Kozłowska Anna (ITME), Nakielska Magdalena (ITME), Sidorowicz Agata (ITME), Tomaszewski Henryk (ITME), Węglarz Helena (ITME), Zych L. (AGH - University of Science and Technology, Faculty of Science and Technology, Kraków, Poland)

Preparation and spectroscopic properties of hot-pressed and pressureless sintered $\text{Co:MgAl}_2\text{O}_4$ ceramics.

Program and Abstracts. s.118

40.

Tomaszewski Henryk (ITME)

Technological parameters of magnetron sputtering deposition influencing photoinduced properties of TiO_2 thin films.

Program and Abstracts. s.72

41.

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

**11th International School and Symposium on Synchrotron Radiation in Natural Science,
Kraków-Tyniec, Poland, 2012.05.20-2012.05.25**

42.

Klinger D. (Institute of Physics, PAS, Warszawa, Poland), Sobierajski R. (Institute of Physics, PAS, Warszawa, Poland), Pelka J. (Institute of Physics, PAS, Warszawa, Poland), Lusakowska E. (Institute of Physics, PAS, Warszawa, Poland), Żymierska D. (Institute of Physics, PAS, Warszawa, Poland), Wierzchowski Wojciech (ITME), Wieteska K. (Institute of Atomic Energy POLATOM, Świerk-Otwock, Poland), Balcer Tomasz (ITME), Chalupsky J. (Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic), Hajkova V. (Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic), Burian T. (Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic), Gleeson A.J. (CCRLC Daresbury Laboratory, Warrington, United Kingdom), Juha L. (Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic), Tiedtke K. (HASYLAB/ DESY, Hamburg, Germany), Toleikis S. (HASYLAB/ DESY, Hamburg, Germany), Vysin L. (Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic), Wabnitz H. (HASYLAB/ DESY, Hamburg, Germany), Gaudin J. (European XFEL, DESY, Hamburg, Germany)

Damage of two-component materials such as GaAs, ZnO, SiO₂ created by ultra-short UVU laser pulses.

Abstract. Synchr.Radiat.Natural Sc. P-25, Vol.11 nr 1-2, s.105, bibliogr.

43.

Wieteska K. (Institute of Atomic Energy, Otwock-Świerk, Poland), Wierzchowski Wojciech (ITME), Malinowska Agnieszka (ITME), Lefeld-Sosnowska M. (Institute of Experimental Physics University of Warsaw, Poland), Świrkowicz Marek (ITME), Łukasiewicz Tadeusz (ITME), Paulmann C. (HASYLAB at DESY, Hamburg, Germany)

Synchrotron diffraction topography of SBN (Sr_xBa_{1-x}Nb₂O₆) and CBN(Ca_xBa_{1-x}Nb₂O₆) crystals.

Abstract. Synchr.Radiat.Natural Sc. P-70, Vol.11 nr 1-2, s.155, il., bibliogr.

44.

Wierzchowski Wojciech (ITME), Wieteska K. (Institute of Atomic Energy POLATOM, Otwock-Świerk, Poland), Klinger D. (Polish Academy of Sciences, Institute of Physics, Warszawa, Poland), Sobierajski R. (Polish Academy of Sciences, Institute of Physics, Warszawa, Poland), Pelka J. (Polish Academy of Sciences, Institute of Physics, Warszawa, Poland), Żymirski D. (Polish Academy of Sciences, Institute of Physics, Warszawa, Poland), Balcer Tomasz (ITME), Paulmann C. (Institute of Mineralogy and Petrography, University of Hamburg, Germany)

The investigations of the damages induced by flesh pulses in silicon crystals by means of white beam synchrotron section topography.

Abstract.Synchr.Radiat.Natural Sc. P71, Vol.11 nr 1-2, s.157-158, il., bibliogr.

45.

Paszkowicz W. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Ermakova O.N. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Wierzchowski Wojciech (ITME), Wieteska K. (Institute of Atomic Energy, Otwock-Świerk, Poland), Berkowski M. (Institute of Atomic Energy, Otwock-Świerk, Poland), Głowacki M.

(Institute of Atomic Energy, Otwock-Świerk, Poland), Dąbkowska H. (BIMR, Department of Physics, McMaster University, Hamilton, Canada), Domagała H. (Institute of Atomic Energy, Otwock-Świerk, Poland), Bąk-Misiuk J. (Institute of Atomic Energy, Otwock-Świerk, Poland), Paulmann C. (HASYLAB at DESY, Hamburg, Germany)

Topographic and high-resolution diffraction study of defect structure of RVO_4 single crystals.

Abstract. Synchr.Radiat.Natural Sc. P-70, Vol.11 nr 1-2, s.128-129, il., bibliogr.

Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments, Wilga, Poland, 2012.05.28

46.

Janeczek K. (Tele &Radio Research Institute, Warszawa, Poland), Jakubowska Małgorzata (ITME), Futera K. (Tele &Radio Research Institute, Warszawa, Poland), Młóżniak Anna (ITME), Kozioł G. (Tele &Radio Research Institute, Warszawa, Poland), Araźna A. (Tele &Radio Research Institute, Warszawa, Poland)

Characterization of polymer silver pastes for screen printed flexible RFID antennas. Proc.SPIE Photonics Applications. 2012, Vol.84541C

VI Międzynarodowa Konferencja Ekologia w Elektronice, Warszawa, Polska, 2012.05.28-2012.05.29

47.

Futera K. (Tele and Radio Research Institute, Warszawa, Poland), Jakubowska Małgorzata (ITME), Kozioł G. (Tele and Radio Research Institute, Warszawa, Poland), Janeczek K. (Tele and Radio Research Institute, Warszawa, Poland), Araźna A. (Tele and Radio Research Institute, Warszawa, Poland)

Inkjet printed electrodes for OLED's applications. Printing large pixel.

48.

Jakubowska Małgorzata (ITME) (Department of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Słoma Marcin (ITME) (Department of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Młóżniak Anna (ITME), Janczak D. (Department of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Wróblewski G. (Department of Mechatronics, Warsaw University of Technology, Warszawa, Poland), Lenkiewicz K. (Department of Mechatronics, Warsaw University of Technology, Warszawa, Poland)

Investigation of screen printed thick film layers based on graphene nanoplatelets. Monographs of Tele&Radio Research Institute, Progress in Eco-Electronics. 2012 vol.2, s.74-82, il., bibliogr.

49.

Janeczek K. (Tele &Radio Research Institute, Warszawa, Poland), Futera K. (Tele &Radio Research Institute, Warszawa, Poland), Kozioł G. (Tele &Radio Research Institute, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Warszawa, Poland), Młóżniak Anna (ITME), Serzysko T. (Tele &Radio Research Institute, Warszawa, Poland)

Environmentally friendly technology of antenna manufacturing on flexible substrates. Monographs of Tele&Radio Research Institute, Progress in Eco-Electronics. 2012 vol.2, s.53-62

50.

Kościelski M. (Tele and Radio Research Institute, Warszawa, Poland), Nidźwiedź W. (Warsaw University of Technology, Warszawa, Poland), Sitek J. (Tele and Radio Research Institute, Warszawa, Poland), Bukat K. (Tele and Radio Research Institute, Warszawa, Poland), Jakubowska Małgorzata (ITME), Młodziak Anna (ITME)

The influence of nanosilver powders addition to SAC solder paste on reliability properties of solder joints.

51.

Nidźwiedź W. (Warsaw University of Technology, Warszawa, Poland), Bukat K. (Tele and Radio Research Institute, Warszawa, Poland), Sitek J. (Tele and Radio Research Institute, Warszawa, Poland), Kościelski M. (Tele and Radio Research Institute, Warszawa, Poland), Jakubowska Małgorzata (ITME)

Influence of different nano additions to SAC solder paste on BGA joints structure. Monographs of Tele&Radio Research Institute, Progress in Eco-Electronics. 2012 vol.2, s.83-92

VI International Conference on the Fundamental Science of Graphene and Applications of Graphene-Based Devices - Graphene Week 2012, Delft, Holandia, 2012.06.04-2012.06.08

52.

Stankiewicz Rafał (ITME), Gryglas-Borysiewicz M. (Institute of Experimental Physics, faculty of Physics, University of Warsaw, Warszawa, Poland), Dobrzański Lech (ITME), Przybytek J. (Institute of Experimental Physics, faculty of Physics, University of Warsaw, Warszawa, Poland), Kwiatkowski A. (Institute of Experimental Physics, faculty of Physics, University of Warsaw, Warszawa, Poland), Wyszomłek A. (Institute of Experimental Physics, faculty of Physics, University of Warsaw, Warszawa, Poland), Baranowski Jacek (ITME) (Institute of Experimental Physics, faculty of Physics, University of Warsaw, Warszawa, Poland), Strupiński Włodzimierz (ITME), Stępniewski R. (Institute of Experimental Physics, faculty of Physics, University of Warsaw, Warszawa, Poland)

QHE in low carrier density epitaxial graphene grown by CVD on SiC (0001).

41th "Jaszowiec" 2012 International School and Conference on the Physics of Semiconductors, Krynica-Zdrój, Poland, 2012.06.08-2012.06.15

53.

Królicka Aleksandra (ITME)

Characterization of mercury cadmium telluride ($\text{Hg}_{1-x}\text{Cd}_x\text{Te}$) epitaxial layers by made photodiodes.

Abstract. WeP34, s 206

54.

Błaszczyc J.A. (Faculty of Physics, University of Warsaw, Poland), Kosiorek A. (Faculty of Physics, University of Warsaw, Poland), Strupiński Włodzimierz (ITME), Wyszomłek A. (Faculty of Physics, University of Warsaw, Poland), Stępniewski R. (Faculty of Physics, University of Warsaw, Poland)

Doping of SiC substrates induced by graphene growth process.

55.

Grodecki Kacper (ITME) (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland), Bożek R. (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland), Wysmołek A. (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland), Stępniewski R. (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME) (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland)

Graphene formation on SiC (0001) surface steps by CVD process.
Abstract. Th05, s.237, bibliogr.

56.

Hruban Andrzej (ITME), Materna Andrzej (ITME), Strzelecka Stanisława (ITME), Piersa Mirosław (ITME), Romaniec Magdalena (ITME), Jurkiewicz-Wegner Elżbieta (ITME), Diduszko Ryszard (ITME), Orłowski Waclaw (ITME), Dalecki Wojciech (ITME)

Growth of p-type Bi₂Se₃ crystals with controlled carrier concentration for topological insulators.

Abstract. WeP30, 202, bibliogr.

57.

Mirowska Aleksandra (ITME), Orłowski Waclaw (ITME)

Influence of growing conditions add doping on physical properties of gallium antimonide single crystals.

Abstract. WeP56, s.228

58.

Szysko S. (Faculty of Physics, University of Warsaw, Poland), Wołoś A. (Institute of Physics, PAS, Warszawa, Poland; Faculty of Physics, University of Warsaw, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Strzelecka Stanisława (ITME), Hruban Andrzej (ITME), Materna Andrzej (ITME), Piersa Mirosław (ITME)

Investigation of topological insulators Bi₂Te₃, Bi₂Se₃, and Bi₂Te₂Se by microwave spectroscopic.

Abstract. WeP32, s.203, bibliogr.

59.

Stankiewicz Rafał (ITME), Gryglas-Borysewicz M. (Institute of Experimental Physics, University of Warsaw, Poland), Dobrzański Lech (ITME), Przybytek J. (Institute of Experimental Physics, University of Warsaw, Poland), Kwiatkowski A. (Institute of Experimental Physics, University of Warsaw, Poland), Wysmołek A. (Institute of Experimental Physics, University of Warsaw, Poland), Baranowski Jacek (ITME) (Institute of Experimental Physics, University of Warsaw, Poland), Strupiński Włodzimierz (ITME), Stępniewski R. (Institute of Experimental Physics, University of Warsaw, Poland)

QHE in low carrier density epitaxial graphene grown by CVD on SiC (0001).
Abstract. WeP19, s.191, bibliogr.

60.

Urban J. (Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland), Grodecki Kacper (ITME) (Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland), Wysmołek A. (Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland), Strupiński Włodzimierz (ITME), Stępniewski R.

(Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland),
Baranowski J. (Institute of Experimental Physics, Faculty of Physics, University of Warsaw,
Poland)

Raman spectroscopy of nitrogen doped epitaxial graphene grown on 4H-SiC.
Abstract. WeP24, s.196, bibliogr.

Gordon Research Conference on Plasmonics, Waterville, USA, 2012.06.09-2012.06.10

61.

Pawlak Dorota (ITME), Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Bieńkowski Krzysztof (ITME), Stefański Andrzej (ITME), Osewski Paweł (ITME), Surma Barbara (ITME)

From self-organized directionally solidified metallodielectric structures to plasmonic nanocomposites photovoltaics/photoelectrochemistry.

Gordon Research Conference on Plasmonics, Waterville, USA, 2012.06.10-2012.06.15

62.

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

Directional solidification as a new route for plasmonic applications.

11th International Conference on Quantative Infrared Thermography, Neapol, Włochy, 2012.06.11-2012-2012.06.14

63.

Kozłowska Anna (ITME), Małąg Andrzej (ITME), Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME), Podnieśniński Dariusz (ITME) (Military University of Technology, Institute of Optoelectronics, Warszawa, Poland)

Temperature profiling of diode lasers and lasers bars by means of infrared thermography.

Proceedings 11th International Conference on Quantitative... s.224-1-224-2, il., bibliogr.

XI Krajowa Konferencja Elektroniki, Darłówko-Wschodnie, Polska, 2012.06.11-2012.06.14

64.

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

Badania degradacji diod laserowych na pasmo 808 nm.

Materiały Konferencyjne. s.175

65.

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

Projektowanie i realizacja diod laserowych dużej mocy ze strukturami do stabilizacji wiązki w płaszczyźnie złącza.

Materiały Konferencyjne. s.178-180, il., bibliogr.

66.

Racka Katarzyna (ITME), Tymicki Emil (ITME), Grasz Krzysztof (ITME) (Instytut Fizyki, PAN, Warszawa), Gała Maciej (ITME), Krzyżak Konrad (ITME), Surma Barbara (ITME), Jakiela Rafał (ITME) (Instytut Fizyki, PAN, Warszawa), Diduszko Ryszard (ITME), Pisarek M. (Instytut Chemii Fizycznej PAN, Warszawa)

Wzrost kryształów SiC metodą PVT w obecności domieszki ceru.

Materiały Konferencyjne. s.29-30

67.

Sitek J. (Instytut Tele- i Radiotechniczny, Warszawa), Kościelski M. (Instytut Tele- i Radiotechniczny, Warszawa), Bukat K. (Instytut Tele- i Radiotechniczny, Warszawa), Jakubowska Małgorzata (ITME) (Politechnika Warszawska, Wydział Mechatroniki, Warszawa), Niedźwiedz W. (Politechnika Warszawska, Wydział Mechatroniki, Warszawa), Młodziak Anna (ITME)

Wpływ dodatku nanoproszków srebra do pasty lutowniczej SAC na termiczne i mechaniczne własności zmęczeniowe połączeń lutowanych.

Materiały Konferencyjne. s.33

68.

Teklińska Dominika (ITME) (Politechnika Warszawska, Wydział Inżynierii Materiałowej, Warszawa), Strupiński Włodzimierz (ITME), Olszyna A. (Politechnika Warszawska, Wydział Inżynierii Materiałowej, Warszawa)

Analiza morfologii warstwy buforowej 3C-SiC/Si w zależności od stosowanego ciśnienia.

Materiały Konferencyjne. s.46

69.

Węgrzecki M. (Instytut Technologii Elektronowej, Warszawa), Bar J. (Instytut Technologii Elektronowej, Warszawa), Budzyński T. (Instytut Technologii Elektronowej, Warszawa), Cież M. (Instytut Technologii Elektronowej, Warszawa), Grabiec P. (Instytut Technologii Elektronowej, Warszawa), Kłós H. (Instytut Technologii Elektronowej, Warszawa), Kulawik J. (Instytut Technologii Elektronowej, Warszawa), Lipiński Dariusz (ITME), Panas A. (Instytut Technologii Elektronowej, Warszawa), Ruhm W. (Institut für Strahlenschutz, Helmholtz Zentrum München, Neuherberg, Germany), Sarnecki Jerzy (ITME), Słysz W. (Instytut Technologii Elektronowej, Warszawa), Węgrzecka I. (Instytut Technologii Elektronowej, Warszawa), Wieluński M. (Institut für Strahlenschutz, Helmholtz Zentrum München, Neuherberg, Germany), Witek K. (Instytut Technologii Elektronowej, Warszawa), Zaborowski M. (Instytut Technologii Elektronowej, Warszawa)

Detekcja neutronów i detekcja radonu przy wykorzystaniu krzemowych detektorów naładowanych cząstek - nowa koncepcja osobistej dozymetrii.

Abstrakt. 1 s., il.

Symposium - (NCBJ) Narodowe Centrum Badań Jądrowych, Warszawa, Poland, 2012.06.15

70.

Jóźwik Przemysław (ITME) (National Centre for Nuclear Research, Świerk/Otwock, Poland), Natarajan Sathish (ITME) (National Centre for Nuclear Research, Świerk/Otwock, Poland), Nowicki L. (National Centre for Nuclear Research, Świerk/Otwock, Poland), Ratajczak R. (National Centre for Nuclear Research, Świerk/Otwock, Poland), Stonert A. (National Centre

for Nuclear Research, Świerk/Otwock, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Świerk/Otwock, Poland), Turos Andrzej (ITME) (National Centre for Nuclear Research, Świerk/Otwock, Poland)

Analysis of crystal lattice deformation by ion channeling including Monte Carlo simulations.

4th European Conference on Crystal Growth, Glasgow, UK, 2012.06.17-2012.06.20

71.

Baranowski Jacek (ITME)

Epitaxial graphene growth.

15th European Conference on Composite Materials, Wenecja, Włochy, 2012.06.24-2012.06.28

72.

Kaliński Dariusz (ITME), Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME)

Mechanical, thermal and tribological properties of hot-pressed NiAl/Al₂O₃ composites.

Proc.of the 15th European Conference...s.1-8. il., bibliogr.

73.

Pietrzak Katarzyna (ITME), Kaliński Dariusz (ITME), Chmielewski Marcin (ITME)

Microstructure and mechanical properties of hot-pressed Fe₃Al/Al₂O₃ and Fe₃Al/TiC composites.

Proc.of the 15th European Conference...s.1-7, il., bibliogr.

XII Konferencja Naukowa Czujniki Optoelektroniczne i Elektroniczne, Karpacz, Polska, 2012.06.24-2012.06.27

74.

Węgrzecki M. (Instytut Technologii Elektronowej, Warszawa), Bar J. (Instytut Technologii Elektronowej, Warszawa), Budzyński T. (Instytut Technologii Elektronowej, Warszawa), Gosztalk T. (Politechnika Wrocławska, Wydział Elektroniki Mikrosystemów i Fotoniki, Wrocław), Grabiec P. (Instytut Technologii Elektronowej, Warszawa), Lipiński Dariusz (ITME), Nieradka K. (Politechnika Wrocławska, Wydział Elektroniki Mikrosystemów i Fotoniki, Wrocław), Panas A. (Instytut Technologii Elektronowej, Warszawa), Sarnecki Jerzy (ITME), Słysz W. (Instytut Technologii Elektronowej, Warszawa), Węgrzecka I. (Instytut Technologii Elektronowej, Warszawa), Zaborowski M. (Instytut Technologii Elektronowej, Warszawa)

Krzemowe, 16-elementowe matryce fotodiodowe specjalizowane do monitorowania optycznego czujników mikrozdźwięniowych.

Abstrakt. 1 s., il.

75.

Węgrzecki M. (Instytut Technologii Elektronowej, Warszawa), Bar J. (Instytut Technologii Elektronowej, Warszawa), Budzyński T. (Instytut Technologii Elektronowej, Warszawa), Dressler R. (Paul Scherrer Institut, Szwajcaria), Grabiec P. (Instytut Technologii Elektronowej, Warszawa), Kłós H. (Instytut Technologii Elektronowej, Warszawa), Kulawik J. (Instytut Technologii Elektronowej, Warszawa), Lipiński Dariusz (ITME), Panas A.

(Instytut Technologii Elektronowej, Warszawa), Sarnecki Jerzy (ITME), Słysz W. (Instytut Technologii Elektronowej, Warszawa), Węgrzecka I. (Instytut Technologii Elektronowej, Warszawa), Yakushev A. (GSI Helmholtzzentrum für Schwerionenforschung GmbH, Darmstadt, Niemcy), Zaborowski M. (Instytut Technologii Elektronowej, Warszawa)

Opracowane w ITE krzemowe detektory cząstek do międzynarodowych badań nad transaktywnościami.

Abstrakt. 1 s., il.

9th International Conference Ion Implantation and Other Applications of Ions and Electrons, Kazimierz Dolny, Polska, 2012.06.25-2012.06.28

76.

Józwik Przemysław (ITME) (National Centre for Nuclear Research, Świerk-Otwock, Poland), Sathish Natarajan (ITME) (National Centre for Nuclear Research, Świerk-Otwock, Poland), Nowicki L. (National Centre for Nuclear Research, Świerk-Otwock, Poland), Jagielski Jacek (ITME), Turos Andrzej (ITME)

Analysis of crystal lattice deformation by ion channeling.

Abstract. 1 s.

77.

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

Ion implantation of the 4H SiC homoepitaxial layers and substrates with MeV Se and Al ions.

Abstract. 1 s.

Conference Laser Optics, Sankt Petersburg, Rosja, 2012.06.25-2012.06.29

78.

Bajor Andrzej (ITME), Kisielewski Jarosław (ITME), Kopczyński K. (Institute of Optoelectronics, Military University of Technology, Poland), Łukasiewicz Tadeusz (ITME), Mierczyk J. (Institute of Optoelectronics, Military University of Technology, Poland), Młyńczak J. (Institute of Optoelectronics, Military University of Technology, Poland)

Growth and investigation of 2" YAG single crystals doped with Cr, Mg; V; or Co, Si, for q-switching applications.

Abstract. 2 s., il., bibliogr.

9th International Conference Ion Implantation and Other Applications of Ions and Electrons, Kazimierz Dolny, Poland, 2012.06.25-2012.06.28

79.

Konarski P. (PIE), Kozłowski Andrzej (ITME), Diduszko Ryszard (ITME)

Quantification procedures in SIMS depth profiling of annealed NiTi/SiC structure.

36th International Microelectronics and Packaging Conference IMAPS-CPMT Poland, Kolobrzeg, Poland, 2012.06.26-2012.06.29

80.

Janeczek K. (Tele and Radio Research Institute, Warszawa, Poland), Jankowski-Miśkiewicz P. (Rzeszów University of Technology, Department of Electronic and Communications Systems, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warszawa, Poland), Kozioł G. (Tele and Radio Research Institute, Warszawa, Poland), Młodziak Anna (ITME), Futera K. (Tele and Radio Research Institute, Warszawa, Poland), Stęplewski W. (Tele and Radio Research Institute, Warszawa, Poland)

Performance characterization of UHF RFID antennas manufactured with screen printing technique on flexible substrates.
Microelectronic Materials and Technologies. Vol.2 , s.61-74, Koszalin 2012

81.

Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Warszawa, Poland), Jarosz M. (Warsaw University of Technology, Faculty of Mechatronics, Warszawa, Poland), Kiełbasiński Konrad (ITME), Szalapak J. (Warsaw University of Technology, Faculty of Mechatronics, Warszawa, Poland), Młodziak Anna (ITME)

Thick-film screen printable pastes based on silver powders for die-attachment applications.
Microelectronic Materials and Technologies. Vol.2, s.256-268, Koszalin 2012

10th International Symposium on Systems with Fast Ionic Transport, Chernogolovka, Rosja, 2012.07.01-2012.07.04

82.

Michalska Monika (ITME), Hamankiewicz B. (Faculty of Chemistry, University of Warsaw, Warszawa, Poland), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Warszawa, Poland), Ziółkowska D. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Korona K. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Aksienionek Magdalena (ITME), Lipińska Ludwika (ITME)

Structural and electrochemical studies on LiMn_2O_4 /carbon nanocomposites as a cathode materials for Li-ion batteries.
Abstract. 1 s., bibliogr.

83.

Michalska Monika (ITME) (Faculty Chemistry, University of Warsaw, Warszawa, Poland), Hamankiewicz B. (Faculty Chemistry, University of Warsaw, Warszawa, Poland), Czerwiński A. (Faculty Chemistry, University of Warsaw, Warszawa, Poland), Ziółkowska D. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Aksienionek Magdalena (ITME), Lipińska Ludwika (ITME)

The improvement of structural stability of nanocrystalline LiMn_2O_4 powders prepared by sol-gel method.
Abstract. 1 s., bibliogr.

84.

Aksienionek Magdalena (ITME) (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Wasiucionek M. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Gierlotka S. (Institute of High Pressure Physics, Polish Academy of Science, Warszawa, Poland), Nowiński J.L. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Judek J. (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Michalska Monika (ITME)

A novel synthesis route of LiFePO_4 involving a high-pressure stage.

Abstract. 1 s., bibliogr.

European Photovoltaics Summer School, Kraków, Poland, 2012.07.04-2012.07.07

85.

Knypś Piotr (ITME)

Technological issues and optimization processes of junctions in a multijunction pv cell based on InGaP/InGaAs/Ge materials.

Abstract. 5 s. , il., bibliogr.

European Summer School of Photo Voltaics, Kraków, Poland, 2012.07.04-2012.07.07

86.

Jakubowska Małgorzata (ITME) (Department of Mechatronics, Warsaw University of Technology, Warszawa), Słoma Marcin (ITME) (Department of Mechatronics, Warsaw University of Technology, Warszawa), Janczak D. (Department of Mechatronics, Warsaw University of Technology, Warszawa), Młozniak Anna (ITME), Wróblewski G. (Department of Mechatronics, Warsaw University of Technology, Warszawa)

Printed transparent electrodes with graphene nanoplatelets.

Proc.of the European Summer...2012

Europejska Letnia Szkoła Fotowoltaiki (European Summer School of Photovoltaics), Kraków, Poland, 2012.07.04-2012.07.07

87.

Kalbarczyk Joanna (ITME), Teodorczyk Marian (ITME), Krzyżak Konrad (ITME), Gawlik Grzegorz (ITME), Jarosz Mateusz (ITME), Młozniak Anna (ITME)

Low-ohmic contacts on the basis of silver nanopowder dedicated to photovoltaic cells.

Abstract. 6 s., il., bibliogr.

Summer Topical 2012, Seattle, USA, 2012.07.09-2012.07.11

88.

Małag Andrzej (ITME), Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME), Nakielska Magdalena (ITME), Sobczak Grzegorz (ITME), Kozłowska Anna (ITME), Kalbarczyk Joanna (ITME), Krzyżak Konrad (ITME)

Heterostructure waveguide design for high-power narrow far-field laser emission.

Seminar: Graphene growth by CVD vs sublimation method (University of Erlangen), Erlangen, Germany, 2012.07.16

89.

Strupiński Włodzimierz (ITME)

Graphene growth by CVD vs sublimation method.

4th International Symposium on Growth of III-Nitrides, Sankt Petersburg, Rosja, 2012.07.16-2012.07.19

90.

Rudziński Mariusz (ITME), Kudrawiec R. (Institute of Physics, Wrocław University of Technology, Wrocław, Poland), Kucharski R. (AMMONO S.A., Warszawa, Poland), Dwiliński R. (AMMONO S.A., Warszawa, Poland), Strupiński Włodzimierz (ITME)

Properties of MOCVD AlGaIn/GaN heterostructures grown on polar and non-polar bulk GaN substrates.

Conference Laser Physics, Calgary, Kanada, 2012.07.23-2012.07.27

91.

Bajor Andrzej (ITME), Kisielewski Jarosław (ITME), Kopczyński K. (Institute of Optoelectronics, Military University of Technology, Poland), Łukasiewicz Tadeusz (ITME), Mierczyk J. (Institute of Optoelectronics, Military University of Technology, Poland), Młyńczak J. (Institute of Optoelectronics, Military University of Technology, Poland)

Recent development in technology and investigation of YAG:Cr,Mg saturable absorbers.

Abstract. 1 s., bibliogr.

31st International Conference on the Physics of Semiconductor, Zurich, Szwajcaria, 2012.07.29-2012.08.03

92.

Wołoś A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland; Faculty of Physics, University of Warsaw, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Poland), Szyszko S. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Strzelecka Stanisława (ITME), Hruban Andrzej (ITME), Materna Andrzej (ITME), Piersa Mirosław (ITME), Wilamowski Z. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland)

Microwave spectroscopy of three dimensional topological insulators Bi_2Te_3 , Bi_2Se_3 , and $\text{Bi}_2\text{Te}_2\text{Se}$.

Abstract. 1 s., il.

SPIE12, San Diego, USA, 2012.08.12-2012.08.16

93.

Pawlak Dorota (ITME), Gajc Marcin (ITME), Sadecka Katarzyna (ITME), Stefański Andrzej (ITME), Kłos Andrzej (ITME), Osewski Paweł (ITME), Bieńkowski Krzysztof (ITME), Surma Barbara (ITME)

Advances in eutectic and nanoparticle based composite materials for plasmonics and metamaterials. SPIE Optics and Photonics

Konferencja CECAM - Topological Materials, Bremen, Germany, 2012.08.13-2012.08.17

94.

Rischau C.W. (Laboratoire des solides irradiés, Ecole polytechnique, Palaiseau, France), Van der Beek C.J. (Laboratoire des solides irradiés, Ecole polytechnique, Palaiseau, France), Konczykowski M. (Laboratoire des solides irradiés, Ecole polytechnique, Palaiseau, France), Leridon B. (Laboratoire de Physique et d'Etude des Matériaux, ESPCI, Paris, France), Crygiel C. (CIMAP, GANIL, Caen, France), Hruban Andrzej (ITME)

Ion-beam induced changes of the electrical properties of Bi_2Te_3 .

Abstract. 1 s., il., bibliogr.

63rd Annual Meeting of the International Society of Electrochemistry, Electrochemistry for Advanced Materials, Technologies and Instrumentation, Prague, Czech Republic, 2012.08.19-2012.08.24

95.

Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland), Hamankiewicz B. (Faculty of Chemistry, University of Warsaw, Poland), Krajewski M. (Faculty of Chemistry, University of Warsaw, Poland), Michalska Monika (ITME), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland)

Sol-gel synthesis and characterization of LiMn_2O_4 /carbon composites as cathode material for lithium ion batteries.

Abstract. 1 s. + plakat

96.

Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland), Krajewski M. (Faculty of Chemistry, University of Warsaw, Poland), Hamankiewicz B. (Faculty of Chemistry, University of Warsaw, Poland), Michalska Monika (ITME), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland)

Surface modified and metal doped $\text{Li}_4\text{Ti}_5\text{O}_{12}$ as an anode material in lithium-ion batteries.

Abstract. 1 s. + plakat

The 9th European Conference on Silicon Carbide and Related Materials, Saint Petersburg, Rosja, 2012.09.01-2012.09.07

97.

Skibiński J. (Faculty of Materials Science Engineering, Warsaw University of Technology, Poland), Wejrzanowski T. (Faculty of Materials Science Engineering, Warsaw University of Technology, Poland), Teklińska Dominika (ITME), Kościwicz Kinga (ITME), Kurzydłowski K.J. (Faculty of Materials Science Engineering, Warsaw University of Technology, Poland)

Influence of hydrogen mass flow rate on the flow parameters and crystal growth area in SiC CVD reactor.

98.

Tymicki Emil (ITME), Graszka Krzysztof (ITME) (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Racka Katarzyna (ITME), Wejrzanowski T. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Poland), Dągiel J. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Poland), Jakięła R. (ITME) (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Teklińska Dominika (ITME) (Warsaw University of Technology, Faculty of Materials Science and Engineering, Poland), Diduszko Ryszard (ITME), Mazur Krystyna (ITME), Łukasiewicz Tadeusz (ITME)

Growth of long 6H-SiC crystals physical vapour transport method.

Abstract. MoP-69, s.18

99.

Teklińska Dominika (ITME) (Warsaw University of Technology, Faculty of Materials Science and Engineering, Poland), Jóźwik-Biała Iwona (ITME), Tymicki Emil (ITME), Racka Katarzyna (ITME), Strupiński Włodzimierz (ITME), Olszyna Andrzej (Warsaw University of Technology, Faculty of Materials Science and Engineering, Poland)

Comprehensive study of the impact of growth conditions on voids formation and surface morphology of a 3C-SiC/Si buffer layer.

Abstract. TuP-26, s.32

Photon12, Durham, UK, 2012.09.03-2012.09.06

100.

Pawlak Dorota (ITME), Gajc Marcin (ITME), Kłos Andrzej (ITME), Surma Barbara (ITME), Bieńkowski Krzysztof (ITME), Sadecka Katarzyna (ITME), Stefański Andrzej (ITME)

Bottom-up manufacturing methods for metamaterials and plasmonic materials.

8th European Workshop on Secondary Ion Mass Spectrometry - SIMS Europe 2012, Munster, Germany, 2012.09.09-2012.09.11

101.

Konarski P. (PIE), Miśnik M. (PIE), Dobrzański Lech (ITME), Kozłowski Andrzej (ITME), Diduszko Ryszard (ITME)

Depth profile analysis of annealed Ni/Ti/SiC structures - SIMS and GDMS study.

6th International Conference on Scanning Probe Spectroscopy and 4th International Workshop on Spin-Polarized Scanning Tunneling Microscopy, Timmendorfer Strand, Germany, 2012.09.09-2012.09.12

102.

Klusek Z. (Solid States Physics Department, University of Lodz, Poland), Dąbrowski Paweł (ITME) (Solid States Physics Department, University of Lodz, Poland), Własny I. (Solid States Physics Department, University of Lodz, Poland), Kozłowski W. (Solid States Physics Department, University of Lodz, Poland), Zasada I. (Solid States Physics Department,

University of Lodz, Poland), Sławińska J. (Department of Theoretical Physics and Computer Science, University of Lodz, Poland), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME)

Graphene-metal interactions scanning tunneling spectroscopy (sts) and density functional theory (dft) studies

VII Międzynarodowa Konferencja Naukowo-Techniczna POLSKA CERAMIKA 2012- Workshop Transparent Ceramics, Kraków, Polska, 2012.09.09-2012.09.12

103.

Węglarz Helena (ITME), Wajler Anna (ITME), Tomaszewski Henryk (ITME), Kozłowska Anna (ITME), Nakielska Magdalena (ITME), Sidorowicz Agata (ITME) (Warsaw University of Technology, Poland), Librant Zdzisław (ITME)

Fabrication and properties of transparent lanthanides doped yttrium garnet ceramics.

104.

Wajler Anna (ITME), Zych Łukasz (AGH University of Science and Technology, Kraków, Poland), Tomaszewski Henryk (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME) (Warsaw University of Technology, Poland), Jach Katarzyna (ITME)

Hot-pressing of transparent $MgAl_2O_4$ i $Co:MgAl_2O_4$ ceramics.

105.

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

Influence of precipitation conditions on properties of Tm_2O_3 powders used for fabrication $Tm:YAG$ ceramics.

106.

Wajler Anna (ITME), Tomaszewski Henryk (ITME), Putyra P. (Institute of Advanced Manufacturing Technology, Kraków, Poland), Węglarz Helena (ITME), Sidorowicz Agata (ITME) (Warsaw University of Technology, Warszawa, Poland), Jach Katarzyna (ITME), Zagrajek Urszula (ITME)

Preparation and sintering studies of nonstoichiometric $(Mg_{1-x}Al_{2+x}O_4)$ magnesium aluminate nanopowders.

107.

Sidorowicz Agata (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Diduszek Ryszard (ITME), Zagrajek Urszula (ITME), Tomaszewski Henryk (ITME), Olszyna A. (Warsaw University of Technology, Warszawa, Poland)

Preparation of thulium doped yttrium-aluminum garnet ($Tm:YAG$) by co-precipitation method using ammonium carbonate.

108.

Librant Zdzisław (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Tomaszewski Henryk (ITME), Sidorowicz Agata (ITME), Zagrajek Urszula (ITME), Kozłowska Anna (ITME), Możdżonek Małgorzata, Witek A. (ICiMB), Oziębło A. (ICiMB), Jabczyński J. (IO WAT)

Transparent ceramics in Institute of Electronic Materials Technology.

109.

Jach Katarzyna (ITME), Tomaszewski Henryk (ITME), Zagrajek Urszula (ITME)
Model studies tungsten layers preparation on quartz substrates by CVD method.

Konferencja Naukowo-Techniczna "Szkło materiał XXI wieku", Kraków, Polska, 2012.09.16-2012.09.17

110.

Stępień Ryszard (ITME), Buczyński Ryszard (ITME), Pysz Dariusz (ITME), Kujawa Ireneusz (ITME)

Szklą ołowiowo-bismutowe na włókna mikrostrukturalne i elementy mikrooptyczne dla średniej podczerwieni.

55 Zjazd PTChem i SITPChem, Białystok, Polska, 2012.09.16-2012.09.20

111.

Hamankiewicz B. (Uniwersytet Warszawski, Wydział Chemii, Warszawa), Krajewski M. (Uniwersytet Warszawski, Wydział Chemii, Warszawa), Michalska Monika (ITME), Ziółkowska D. (Uniwersytet Warszawski, Wydział Fizyki, Warszawa), Czerwiński A. (Uniwersytet Warszawski, Wydział Chemii, Warszawa)

Domieszkowany tlenek litowo-manganowy o strukturze spinelu jako materiał na elektrodę dodatnią w ogniwie litowo-jonowym.

Abstrakt. 1 s. + plakat

112.

Krajewski M. (Uniwersytet Warszawski, Wydział Chemii, Warszawa), Hamankiewicz B. (Uniwersytet Warszawski, Wydział Chemii, Warszawa), Michalska Monika (ITME), Ziółkowska D. (Uniwersytet Warszawski, Wydział Fizyki, Warszawa), Czerwiński A. (Uniwersytet Warszawski, Wydział Chemii, Warszawa)

$\text{Li}_4\text{Ti}_5\text{O}_{12}$ powlekany srebrem jako materiał anodowy w ogniwie litowo-jonowym.
Abstrakt. 1 s., bibliogr. + plakat

E-MRS 2012 Fall Meeting, Warszawa, Poland, 2012.09.17-2012.09.21

113.

Caban Piotr (ITME), Teklińska Dominika (ITME), Strupiński Włodzimierz (ITME)
Gallium nitride epitaxial layers grown on SiC substrates.

114.

Dumiszewska Ewa (ITME), Knyps Piotr (ITME), Wesołowski Marek (ITME), Strupiński Włodzimierz (ITME)

Comparison of silicon and tellurium dopings of tunnel junctions for MOCVD growth of triple junction solar cells on germanium.

115.

Jach Katarzyna (ITME), Pietrzak Katarzyna (ITME), Strojny-Nędza Agata (ITME), Wajler Anna (ITME)

Fabrication of alumina-copper composite by using of ceramic preform.

116.

Michalska Monika (ITME), Lipińska Ludwika (ITME), Korona K. (Faculty of Physics, University of Warsaw, Poland)

Synthesis and studies on $\text{LiMnPO}_4/\text{Ag}$ nanocomposite for lithium ion secondary batteries.

117.

Sidorowicz Agata (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Tomaszewski Henryk (ITME), Olszyna A. (Politechnika Warszawska)

Tm_2O_3 nanopowders preparation by precipitation for Tm:YAG reactive sintering.

118.

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

The properties of copper/alumina composite materials obtained by tape casting.

119.

Teklińska Dominika (ITME), Józwick-Biała Iwona (ITME), Grodecki Kacper (ITME), Caban Piotr (ITME), Strupiński Włodzimierz (ITME), Olszyna Andrzej (PW)

The analysis of voids density in SiC/Si in relation to the beam accelerating voltage in scanning electron microscopy.

120.

Wajler Anna (ITME), Sidorowicz Agata (ITME) (Warsaw University of Technology, Warszawa, Poland), Putyra P. (Institute of Advanced Manufacturing Technology, Kraków, Poland), Węglarz Helena (ITME), Jach Katarzyna (ITME), Zagrajek Urszula (ITME), Tomaszewski Henryk (ITME)

Nanopowders preparation and spark plasma sintering of $\text{Co:MgAl}_2\text{O}_4$ transparent ceramics.

4th Electronics System Integration Technology Conference, Amsterdam, Holandia, 2012.09.17-2012.09.20

121.

Jarosz Mateusz (ITME), Jakubowska Małgorzata (ITME), Kielbasiński Konrad (ITME), Młodziak Małgorzata (ITME), Teodorczyk Marian

Low temperature joining technique (LTJT) as an alternative to lead-free soldering for die-attach applications.

XXXII Ogólnopolska Konferencja Tribologiczna "Jesienna Szkoła Tribologiczna 2012", Kudowa Zdrój, Polska, 2012.09.18-2012.09.21

122.

Ściński M. (Instytut Technologii Polimerów i Barwników, Politechnika Łódzka; Instytut Inżynierii Materiałów Polimerowych i Barwników o/z Piastów), Bieliński D. (Instytut Technologii Polimerów i Barwników, Politechnika Łódzka), Piątkowska Anna (ITME), Ratajczak R. (Narodowe Centrum Badań Jądrowych Świerk-Otwock), Grams J. (Instytut Chemii Ogólnej i Ekologicznej, Politechnika Łódzka)

Chemiczne aspekty tarcia i zużycia w węzle ciernym polimer-metal.

123.

Piątkowska Anna (ITME)

Wpływ grubości warstwy DLC na właściwości tribologiczne w tarcu ślizgowym.
Abstract. 7 s., il., bibliogr.

X Sympozjum Techniki Laserowej, Szczecin-Świnoujście, Polska, 2012.09.24-2012.09.28

124.

Baranowski Jacek (ITME), Jankiewicz Zdzisław (ITME)

Grafen - jego własności i możliwości zastosowań w technice laserowej.
Streszczenia referatów, komunikatów i plakatów. Abstrakt. s.19

125.

Jusza A. (Instytut Mikroelektroniki i Optoelektroniki, Politechnika Warszawska), Lipińska Ludwika (ITME), Baran Magdalena (ITME), Mergo P. (Wydział Chemii, Uniwersytet Marii Curie-Skłodowskiej, Lublin), Polis P. (Wydział Inżynierii Materiałowej, Politechnika Warszawska), Piramidowicz R. (Instytut Mikroelektroniki i Optoelektroniki, Politechnika Warszawska)

Kompozytowe źródła światła białego na bazie polimerów z nanokrystalitami domieszkowanymi jonami RE³⁺.
Streszczenia referatów, komunikatów i plakatów. Abstrakt. s.119

126.

Kozłowska Anna (ITME), Teodorczyk Marian (ITME), Podniesiński Dariusz (ITME), Dąbrowska Elżbieta (ITME), Małąg Andrzej (ITME)

Badanie wpływu parametrów konstrukcyjnych mikrokanałowego układu chłodzenia matryc diod laserowych na charakterystyki termiczne matryc.
Streszczenia referatów, komunikatów i plakatów. Abstrakt. s.104

127.

Nakielska Magdalena (ITME), Podniesiński Dariusz (ITME) (Instytut Optoelektroniki WAT, Warszawa), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Sarnecki Jerzy (ITME), Kozłowska Anna (ITME), Małąg Andrzej (ITME)

Własności spektroskopowe i generacyjne cienkich warstw epitaksjalnych Nd:YAG/YAG pompowanych diodami 808 nm i 885 nm.
Streszczenia referatów, komunikatów i plakatów. Abstrakt. s. 93, il., bibliogr.

128.

Nakielska Magdalena (ITME), Wajler Anna (ITME), Leśniewska-Matys K. (Instytut Mechatroniki i Optoelektroniki PW, Warszawa), Kozłowska Anna (ITME), Podniesiński Dariusz (ITME) (Instytut Optoelektroniki WAT, Warszawa), Andres K. (Instytut Mechatroniki i Optoelektroniki PW, Warszawa), Kordzi T. (Instytut Mechatroniki i Optoelektroniki PW, Warszawa), Piramidowicz R. (Instytut Mechatroniki i Optoelektroniki PW, Warszawa)

Charakteryzacja ceramiki Co:MgAl₂O₄ przeznaczonej do zastosowań laserowych.
Streszczenia referatów, komunikatów i plakatów. Abstrakt. s. 94, il.

129.

Sobczak Grzegorz (ITME), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Kalbarczyk Joanna (ITME), Małąg Andrzej (ITME)

Poprawa charakterystyk promieniowania diod laserowych dużej mocy poprzez zastosowanie struktur periodycznych w płaszczyźnie złącza.
Proc.SPIE 8702 Laser Technology 2012: Progress in Laser, 87820B 2013, s.10 s. il., bibliogr

130.

Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME), Brzozowski J. (Firma POLIFORM Kampinos), Sobczak Grzegorz (ITME), Krzyżak Konrad (ITME), Małąg Andrzej (ITME)

Prototypowe stanowisko do sprzęgania diod laserowych ze światłowodem skonstruowane i wykonane w ITME - Warszawa.

Streszczenia referatów, komunikatów i plakatów. Abstrakt. s.106-107, il., bibliogr

131.

Dąbrowska Elżbieta (ITME), Nakielska Magdalena (ITME), Kozłowska Anna (ITME), Krzyżak Konrad (ITME), Sobczak Grzegorz (ITME), Teodorczyk Marian (ITME), Kalbarczyk Joanna (ITME), Małąg Andrzej (ITME)

Mechanizmy degradacji diod laserowych na pasmo 880 nm..

Proc.SPIE 8702 Laser Technology 2012: Progress in Lasers, 87020C, 2013, 9 s. il., bibliogr.

EOS Annual Meeting, Aberdeen, Szkocja, 2012.09.25-2012.09.28

132.

Buczyński Ryszard (ITME) (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Waddie A. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Nowosielski J. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK; University of Warsaw, Faculty of Physics, Warszawa, Poland), Filipkowski Adam (ITME) (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Taghizadeh M.R. (Heriot-Watt University, School of Engineering and Physical Sciences, Edinburg, Scotland, UK)

Development of large diameter elliptical graded nanostructure microlens.

Abstract. 2 s., il., bibliogr.

European Conference/Workshop on the Synthesis, Characterization and Applications of Graphene, GrapHEL, Mykonos, Grecja, 2012.09.27-2012.09.30

133.

Pasternak Iwona (ITME), Grodecki Kacper (ITME) (Faculty of Physics, University of Warsaw, Poland), Dąbrowski Paweł (ITME) (Solid States Physics Department, University of Lodz, Poland), Strupiński Włodzimierz (ITME)

Graphene growth on metallic substrates.

Abstract. 1 s.

134.

Strupiński Włodzimierz (ITME), Grodecki Kacper (ITME) (Faculty of Physics, University of Warsaw, Poland), Bożek R. (IFaculty of Physics University of Warsaw, Poland), Flege J.I. (Institute of Solid State Physics, University of Bremen Otto-Hahn-Alle, Bremen, Germany), Wyszomółek A. (Faculty of Physics University of Warsaw, Poland), Stępniewski R. (Faculty of Physics, University of Warsaw, Poland), Pasternak Iwona (ITME), Baranowski Jacek (ITME) (Faculty of Physics, University of Warsaw, Poland)

Development of graphene epitaxy by chemical vapor deposition on SiC.

XIV Konferencja i III Szkoła "Światłowody i ich Zastosowania", Nałęczów, Polska, 2012.10.08-2012.10.12

135.

Kujawa Ireneusz (ITME), Pysz Dariusz (ITME), Pniewski J. (Wydział Fizyki, Uniwersytet Warszawski), Karpisz T. (Wydział Elektroniki i Technik Informatycznych, Politechnika Warszawska), Kasztelan R. (Wydział Fizyki, Uniwersytet Warszawski), Stępień Ryszard (ITME), Salski B. (Wydział Elektroniki i Technik Informatycznych, Politechnika Warszawska), Buczyński Ryszard (ITME) (Wydział Fizyki, Uniwersytet Warszawski)
Highly birefringent fiber with anisotropic artificial material.

Abstract. 1 s. il.

136.

Kujawa Ireneusz (ITME), Waluk P. (Kolegium Międzywydziałowych Interdyscyplinarnych Studiów Matematyczno-Przyrodniczych, Uniwersytet Warszawski), Kasztelan R. (Wydział Fizyki, Uniwersytet Warszawski), Stępień Ryszard (ITME), Haraśny Krzysztof (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (Wydział Fizyki, Uniwersytet Warszawski)
Wytwarzanie soczewek Fresnela metodą hot embossing do celów techniki światłowodowej.

Fresnel lens fabrication for MidIR optics and fiberoptic technique by using hot embossing process.

Proc.SPIE Vol.8698, Optical Fibers and Their Applications 869804, s.1-6, il., bibliogr.

137.

Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk), Józwik-Biała (ITME), Arey B. (Environmental Molecular Science Laboratory, Richland, USA), Kovarik L. (Environmental Molecular Science Laboratory, Richland, USA), Sattonnay G. (Univ.Paris-Sud, LEMHE/ICMMO, Orsay, France), Debelle A. (CSNSM, CNRS/IN2P3, Univ.Paris-Sud, Orsay, France), Mylonas S. (CSNSM, CNRS/IN2P3, Univ.Paris-Sud, Orsay, France), Monnet I. (CIMAP/GANIL, CEA-CNRS-Univ. Caen, Caen Cedex 5, France), Thome L. (CSNSM, CNRS/IN2P3, Univ.Paris-Sud, Orsay, France)

On the synergy between electronic and nuclear energy losses in swift heavy ion-irradiated $Gd_2Ti_2O_7$.

Abstract. 1 s., bibliogr.

International Conference for Students and Scientists on Materials Science, Tbilisi, Gruzja, 2012.10.10-2012.10.13

138.

Zych Ł. (AGH - University of Science and Technology, Faculty of Science and Technology, Kraków, Poland), Wajler Anna (ITME), Lach R. (AGH - University of Science and Technology, Faculty of Science and Technology, Kraków, Poland)

Filter pressing and sintering of fine spinel and yttrium oxide powders.

II Warsztaty Organicznej Drukowanej i Elastycznej Elektroniki FLEX NET, Łódź, Polska, 2012.10.22

139.

Strupiński Włodzimierz (ITME)

Grafen - technologia produkcji i perspektywy zastosowań.

**4th International Directionally Solidified Eutectic Ceramics, Washington, USA,
2012.10.14-2012.10.17**

140.

Gajc Marcin (ITME), Kłos Andrzej (ITME), Sadecka Katarzyna (ITME), Surma Barbara (ITME), Zdunek K., Pawlak Dorota (ITME)

Directional solidification as a new route for nanoplasmonic materials fabrication.

141.

Kłos Andrzej (ITME), Gajc Marcin (ITME), Mrożek M. (Institute of Physics, Jagiellonian University, Karaków, Poland), Gawlik Grzegorz (ITME), Pawlak Dorota (ITME)

Enhancement of Faraday effect in directionally grown eutectics and single crystals doped with nanoparticles.

Abstract. 1 s., bibliogr.

142.

Kołodziejak Katarzyna (ITME), Kaczkan M. (Institute of Microelectronics and Optoelectronics, Warszawa, Poland), Diduszko Ryszard (ITME), Pawlak Dorota (ITME)

Eutectics of the Al_2O_3 - Yb_2O_3 system - growth, microstructure and photoluminescent properties.

143.

Orliński Krzysztof (ITME), Massaouti M. (Institute of Electronic Structure and laser, Foundation for Research and Technology Hellas), Kafesaki M. (Institute of Electronic Structure and laser, Foundation for Research and Technology Hellas), Tzortzakis S. (Institute of Electronic Structure and laser, Foundation for Research and Technology Hellas), Alexander B.D. (University of Greenwich, School of Science), Pawlak Dorota (ITME)

$GdCrO_3$ - Gd_2O_3 eutectic a potentially "switchable" optical metamaterial.

144.

Osewski Paweł (ITME), Orliński Krzysztof (ITME), Kołodziejak Katarzyna (ITME), Pawlak Dorota (ITME), Belardini A. (Universita' di Roma "La Sapienza"), Leahu G. (Universita' di Roma "La Sapienza"), Sibilica C. (Universita' di Roma "La Sapienza"), Adamo G. (University of Southampton), Nikolaenko A. (University of Southampton), Zheludev N. (University of Southampton)

Excitonic resonances in self-organized ZnO - $ZnWO_4$ eutectic structures.

145.

Stefański Andrzej (ITME)

Electromagnetic properties of microfibrinous eutectic composites.

**4th International Directionally Solidified Eutectic Ceramics, Washington, USA,
2012.10.15-2012.10.17**

146.

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Kłos Andrzej (ITME), Diduszko Ryszard (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)

First demonstration of localized surface plasmon resonance (LSPR) in metallodielectric eutectic system.

Abstract. 1 s. bibliogr.

International Workshop on Multifragmentation and Related Topics, Caen, Francja, 2011.11.02-2011.11.05

147.

Kordyasz A.J. (Heavy Ion Laboratory, Warsaw University, Poland), Kowalczyk M. (Heavy Ion Laboratory, Warsaw University, Poland; Institute of Experimental Physics, Warsaw University, Poland), Kisieliński M. (Heavy Ion Laboratory, Warsaw University, Poland), Bednarek A. (Heavy Ion Laboratory, Warsaw University, Poland), Hadyńska-Klęk K. (Heavy Ion Laboratory, Warsaw University, Poland), Sarnecki Jerzy (ITME), Brzozowski Andrzej (ITME), Jagielski Jacek (ITME), Gawlik Grzegorz (ITME), Zagojski Andrzej (ITME), Teodorczyk Marian (ITME), Gajewski Michał (ITME), Majka Z. (Jagielonian University, Kraków, Poland), Wieloch A. (Jagielonian University, Kraków, Poland)

Silicon vertex detector for superheavy elements identification.

Materiały konferencyjne. EPJ Web of Conferences. 2012 Vol.31 (00041) published by EDP

3rd International Symposium on Graphene Devices, Saint Aubin, France, 2012.11.05-2012.11.09

148.

Pasternak Iwona (ITME), Ciuk Tymoteusz (ITME), Grodecki Kacper (ITME), Strupiński Włodzimierz (ITME)

Comparison of CVD graphene grown on copper foil and PVD copper on insulating substrates.

21th RD50 Workshop on Radiation Hard Semiconductor Devices for Very High Luminosity Colliders, Genewa, Szwajcaria, 2012.11.14-2012.11.16

149.

Kamiński Paweł (ITME)

Electronic properties of vacancy aggregates in n-type silicon for particle detectors.

Seminar: Graphene Epitaxy by Chemical Vapor Deposition on SiC (Aarhus University), Aarhus, Denmark, 2012.11.20

150.

Strupiński Włodzimierz (ITME)

Graphene epitaxy by chemical vapor deposition on SiC.

Konferencja Młodych Naukowców III Edycja, Łódź, Polska, 2012.11.24

151.

Kotra K. (Politechnika Warszawska), Kalbarczyk Joanna (ITME)

Wpływ plazmowej modyfikacji powierzchni na morfologię membran polimerowych o różnej geometrii porów.

VII Seminarium "Badania prowadzone metodami skaningowej mikroskopii bliskich oddziaływań - STM/AFM 2012", Zakopane, Polska, 2012.11.28-02.12.2012

152.

Własny I. (Uniwersytet Łódzki), Dąbrowski P. (Uniwersytet Łódzki), Klusek Z. (Uniwersytet Łódzki), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME)

Wpływ grafenu na korozję miedzi. Badania w makro- i nanoskali.

EPIGRAPHIC, Catania, Włochy, 2012.12.03-2012.12.07

153.

Strupiński Włodzimierz (ITME), Grodecki Kacper (ITME), Bożek R. (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland), Meyer A., Flege J.I., Wyszomolek A. (Faculty of Physics, University of Warsaw, Poland), Stepniowski R. (Faculty of Physics, University of Warsaw, Poland)

CVD of graphene on SiC.

154.

Baranowski Jacek (ITME) (Faculty of Physics, University of Warsaw, Poland)

Uniformity of epitaxial graphene.

Seminar: Graphene technology (Institute des Membranes), Montpellier, France, 2012.12.12

155.

Strupiński Włodzimierz (ITME)

Graphene technology.

Konferencja "Ochrona Środowiska i Energia", Gliwice, Polska, 2012.12.14

156.

Jeremiasz O. (Helioenergia Sp. zo.o.), Sarnecki Jerzy (ITME), Nikiel W. (Helioenergia Sp. zo.o.), Teodorczyk Marian (ITME), Wnuk Artur (ITME), Kozłowski Roman (ITME), Gawlik Grzegorz (ITME)

Prezentacja postępu prac nad konstrukcją modułu fotowoltaicznego z fluorescencyjnym koncentratorem energii promienistej promieniowania E-M w zakresie widzialnym i bliskiej podczerwieni.

XI Seminarium Krakowsko-Katowickie, Chorzów, Polska, 2012.12.14

157.

Skuta Aleksandra (ITME), Talik E. (Uniwersytet Śląski), Lipińska Ludwika (ITME), Michalska Monika (ITME)

Badanie morfologii i składu chemicznego domieszkowanego LiMn_2O_4 dla zastosowania w bateriach litowo-jonowych.