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Missala T. (Industrial Research Institute for Automation and Measurements PIAP, Warsaw, Poland), Szewczyk R. (Industrial Research Institute for Automation and Measurements PIAP, Warsaw, Poland), Winiarski W. (Industrial Research Institute for Automation and Measurements PIAP, Warsaw, Poland), Hamela M. (Industrial Research Institute for Automation and Measurements PIAP, Warsaw, Poland), Kamiński M. (Industrial Research Institute for Automation and Measurements PIAP, Warsaw, Poland), Juś A. (Industrial Research Institute for Automation and Measurements PIAP, Warsaw, Poland), Tomasik J. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland), Nowicki M. (Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Warsaw, Poland), Pasternak Iwona (ITME)

Assessment of graphene coatings influence on tribological properties of surface in: Challenges in Automation, Robotics and Measurement Techniques. Vol. 440. Editors: R. Szewczyk, C. Zieliński, M. Kaliczyńska. Springer International Publishing 2016, Germany, s. 781-788, seria: Advances in Intelligent Systems and Computing
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Dybowska-Sarapuk Łucja (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Szałapak Jerzy (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Wróblewski G. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Wyżkiewicz Iwona (ITME), Słoma Marcin (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland)

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TTS - Technika Transportu Szynowego 2016

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

Monowarstwowe narzędzia diamentowe w produkcji nowoczesnych środków transportu.
nr 12 s.386-390

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

1.

Mechatronics 2015, Warszawa, Poland, 2015.09.21-2015.09.23

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

Rheology of inks for various techniques of printed electronics.

Proceedings. **2016**, 6 s., il., bibliogr.

2.

Workshop "Advances on the Synthesis of Graphene", Fuerteventura, Hiszpania, 2016.01.19-2016.01.23

Pasternak Iwona (ITME), Jóźwik Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME)

High-quality graphene grown on Ge(001)/Si(001) substrates.

3.

Strupiński Włodzimierz (ITME)

Technology development on CVD growth and transfer.

4.

Polskie Towarzystwo Ceramiczne, Warszawa, Polska, 2016.01.20-2016.01.20

Wajler Anna (ITME)

Zastosowanie granulacji kriogenicznej do wytwarzania materiałów ceramicznych.

5.

The 11th Conference Integrated Optics - Sensors, Sensing Structures and Methods, Szczyrk, Poland, 2016.02.29-2016.03.04

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

World-smallest fiber-GRIN lens system for optofluidic applications.

6.

5th Conference on Directionally Solidified Eutectic Ceramics, Warszawa, Poland, 2016.04.03-2016.04.07

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

ZnO-$ZnWO_4$ eutectic doped with Al and Ga ions, as a self-organized nanostructured TCO-based plasmonic material.
Abstract Book. s.78, bibliogr.

7.
Belyi V. (Institute of Physics of NAS Belarus, Minsk, Belarus), Kazak N. (Institute of Physics of NAS Belarus, Minsk, Belarus), Agashkov A. (Institute of Physics of NAS Belarus, Minsk, Belarus), Pawlak Dorota (ITME)
Investigating the solidified eutectic materials with laser microscopy in reflection mode.
Abstract Book. s.82, il.

8.
Gajc Marcin (ITME), Kłos Andrzej (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)
Nanoparticle based nanocomposite materials with unusual optical properties manufactured by micro-pulling down method.
Abstract Book. s.17, bibliogr.

9.
Kalwasińska Oliwia (ITME) (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Gajc Marcin (ITME), Surma Barbara (ITME), Osewski Paweł (ITME), Strzęp A. (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Ryba-Rymanowski W. (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Pawlak Dorota (ITME)
Additional emission of bulk materials co-doped with CdTe quantum dots and silver nanoparticles.
Abstract book. s.85, bibliogr.

10.
Kłos Andrzej (ITME), Gajc Marcin (ITME), Diduszko Ryszard (ITME), Turczyński Sebastian (ITME), Dolinsek J. (J.Stefan Institute University of Ljubljana, Ljubljana, Slovenia), Pawlak Dorota (ITME)
Growth of bismuth germanium oxides doped with metalic nanoparticles by directional solidification.
Abstract Book. s.87, bibliogr.

11.
Kołodziejak Katarzyna (ITME), Sar Jarosław (ITME), Osewski Paweł (ITME), Pawlak Dorota (ITME)
$MnTiO_3$-TiO_2 eutectic based photoanodes for photoelectrochemical water splitting.
Abstract Book. 88 s., bibliogr.

12.
Królicka Aleksandra (ITME), Materna Andrzej (ITME), Piersa Mirosław (ITME), Mirowska Aleksandra (ITME)
Mechanical, structural and thermoelectric properties of nano-grained PbTe doped with silver and lanthanum.
Abstract. s.89, bibliogr.

13.
Kurowska Marta (ITME), Gajc Marcin (ITME), Surma Barbara (ITME), Osewski Paweł (ITME), Pawlak Dorota (ITME)
An attempt to obtain stimulated emission in effective gain medium with semiconductor quantum dots and silver nanoparticles.
Abstract Book. s.23, bibliogr.

14.
Niewiadomski A. (University of Silesia, Katowice, Poland), Surma Barbara (ITME), Kołodziejak Katarzyna (ITME), Turczyński Sebastian (ITME), Talik E. (University of Silesia, Katowice, Poland), Pawlak Dorota (ITME)
Raman studies of chosen eutectic composites.
Abstract Book. s.42, il., bibliogr.

15.
Nowaczyński Rafał (ITME) (Warsaw University of Technology, Warsaw, Poland), Gajc Marcin (ITME), Surma Barbara (ITME), Osewski Paweł (ITME), Pawlak Dorota (ITME)
Nanoplasmonic composite with QDs-based emission at two different wavelengths.
Abstract Book. s.29, bibliogr.

16.
Orliński Krzysztof (ITME), Pawlak Dorota (ITME)
Fabrication of $LnFeO_3$ and $LnCrO_3$ with high surface area for gas sensing applications.
Abstract book. s.92, bibliogr.

17.
Osewski Paweł (ITME), Belardini A. (Universita‘ di Roma ,,LaSapienza", Rome, Italy), Petronijević E. (Universita‘ di Roma ,,LaSapienza", Rome, Italy), Leahu G. (Universita‘ di Roma ,,LaSapienza", Rome, Italy), Centini M. (Universita‘ di Roma ,,LaSapienza", Rome, Italy), Sibilia C. (Universita‘ di Roma ,,LaSapienza", Rome, Italy), Pawlak Dorota (ITME)
Optical properties of ZnO-$ZnWO_4$ eutectic and $ZnWO_4$ single crystal.
Abstract Book. s.77, bibliogr.

18.
Paszke Piotr (ITME), Nowaczyński Rafał (ITME), Kłos Andrzej (ITME), Gajc Marcin (ITME), Pawlak Dorota (ITME)
Microspheres for WGM microresonators used as biosensors.
Abstract Book. s. 30, bibliogr.

19.
Sadecka Katarzyna (ITME), Toudert J. (Laser Processing Group, Instituto de Optica, Madrid, Spain), Gajc Marcin (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)
Directional solidification of eutectics: toward multiscale metamaterials based on tunable and optically-resonant components.
Abstract Book. s.22, bibliogr.

20.
Sar Jarosław (ITME), Osewski Paweł (ITME), Kołodziejak Katarzyna (ITME), Wysmułek Konrad (ITME), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)
Eutectics as potential materials for energy conversion.

Abstract Book. s.24, bibliogr.

21.
Szubka M. (A.Chełkowski Institute of Physics, University of Silesia, Katowice, Poland), Talik E. (A.Chełkowski Institute of Physics, University of Silesia, Katowice, Poland), Guzik A. (A.Chełkowski Institute of Physics, University of Silesia, Katowice, Poland), Zajdel P. (A.Chełkowski Institute of Physics, University of Silesia, Katowice, Poland), Sadecka Katarzyna (ITME), Pawlak Dorota (ITME)
Characterization of self-organized Bi_2O_3-Ag eutectic by X-ray diffraction, scanning electron microscopy and X-ray photoelectron spectroscopy.
Abstract Book. s.95

22.
Turczyński Sebastian (ITME), Andrzejewski B. (Institute of Molecular Physics, Polish Academy of Sciences, Poznań, Poland), Pawlak Dorota (ITME)
Stopping of phase transitions by eutectic structuring on the example of $PrAlO_3$-$PrAl_{11}O_{18}$ eutectic.
Abstract Book. s.96, il., bibliogr.

23.
Wysmułek Konrad (ITME), Sar Jarosław (ITME), Kołodziejak Katarzyna (ITME), Osewski Paweł (ITME), Orliński Krzysztof (ITME), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)
$SrTiO_3$-TiO_2 eutectic obtained by the micro-pulling down method for solar-driven water splitting.
Abstract Book. s.35, bibliogr.

24.
SQUARE Brussels Meeting Centre, Brussels, Belgium, 2016.04.03-2016.04.07
Van Erps J. (Vrije Universiteit Brussel, Brussels Photonics Team (B-PHOT), Department of Applied Physics and Photonics, Brussel, Belgium), Ciuk Tymoteusz (ITME), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Van Put S. (Centre for Microsystems Technology (CMST), imec and Ghent University, Gent, Belgium), Van Steenberge G. (Centre for Microsystems Technology (CMST), imec and Ghent University, Gent, Belgium), Baert K. (Vrije Universiteit Brussel, Research Group Electrochemical and Surface Engineering (SURF), Belgium), Terryn H. (Vrije Universiteit Brussel, Research Group Electrochemical and Surface Engineering (SURF), Belgium), Thienpont H. (Vrije Universiteit Brussel, Brussels Photonics Team (B-PHOT), Department of Applied Physics and Photonics, Brussel, Belgium), Vermeulen N. (Vrije Universiteit Brussel, Brussels Photonics Team (B-PHOT), Department of Applied Physics and Photonics, Brussel, Belgium)
Pattering of graphene on silicon-on-insulator waveguides through laser ablation and plasma etching.
Proc.SPIE. Vol.9891, 98910T. Silicon Photonics and Photonic Integrated Circuits V

25.
SPIE Photonics Europe 2016/Conference 9888-Micro Optics, Bruksela, Belgia, 2016.04.04-2016.04.07
Piechal Bernard (ITME), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Waddie A. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Scottish Universities Physics Alliance, Edinburgh, UK), Taghizadeh M.R. (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt

University, Scottish Universities Physics Alliance, Edinburgh, UK), Buczyński Ryszard (ITME) (Department of Physics, School of Engineering and Physical Sciences, Heriot-Watt University, Scottish Universities Physics Alliance, Edinburgh, UK)

Achromatic nanostructured gradient index microlenses for telecom fiber systems.
Abstract. 1 s., bibliogr.

26.

XXV Poznańskie Konwersatorium Analityczne "Nowoczesne metody przygotowania próbek i oznaczania śladowych ilości pierwiastków", Poznań, Polska, 2016.04.07-2016.04.08

Zalewska Izabela (ITME), Cimek Jarosław (ITME), Karaś Agata (ITME), Sokołowska Wanda (ITME)

Zastosowanie metod spektroskopowych (FAAS i ICP-OES) do opracowania wysoko nieliniowego szkła ołowiowo-bizmutowo-krzemianowego przeznaczonego do wytwarzania włókien fotonicznych.
Abstrakt. 1 s.

27.

27th International Symposium on Space Terahertz Technology, Nanjing, China, 2016.04.12-2016.04.15

Krause S. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg , Sweden), Mityashkin V. (Moscow State Pedagogical University, Moscow, Russia), Antipov S. (Moscow State Pedagogical University, Moscow, Russia), Gol'tsman G. (Moscow State Pedagogical University, Moscow, Russia), Medelin D. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg , Sweden), Desmaris V. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg , Sweden), Belitsky V. (Group for Advanced Receiver Development, Chalmers University of Technology, Gothenburg , Sweden), Rudziński Mariusz (ITME)

Study of IF bandwidth of NbN hot electron bolometers on GaN buffer layer using a direct measurement method.
Proceedings ISSTT 2016. 3 s., il., bibliogr.

28.

6th KMM-VIN Industrial Workshop (IW6) "Innovative Material Solutions for Transport Applications, Londyn, United Kingdom, 2016.04.17-2016.04.20

Jakubowska J. (Institute of Fundamental Technological Research, Warszawa, Poland), Strojny-Nędza Agata (ITME), Napłocha K. (Institute of Machine Engineering and Automation, Wrocław University of Technology, Wrocław, Poland), Węglewski W. (Institute of Fundamental Technological Research, Warszawa, Poland), Bochenek K. (Institute of Fundamental Technological Research, Warszawa, Poland)

Relationships between microstructure and mechanical properties of Al_2O_3/Al FGM for brake disc application.
Abstract. 1 s., il.

29.

II Seminarium Analizy Termicznej, Zakopane, Polska, 2016.04.17-2016.04.20

Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Strojny-Nędza Agata (ITME), Zybała Rafał (ITME)

Przewodność cieplna kompozytów miedź-ceramika (SiC, AlN) spiekanych techniką Hot pressing.
Abstrakt. 1 s., il.

30.
Strojny-Nędza Agata (ITME), Pietrzak Katarzyna (ITME), Chmielewski Marcin (ITME), Zybała Rafał (ITME)
Wpływ postaci użytego wzmocnienia na przewodnictwo cieplne kompozytów Cu-Al_2O_3.
Abstrakt. 1 s., il.

31.
Materials Challenges in Alternative & Renewable Energy, Clearwater, USA, 2016.04.17-2016.04.21
Wysmułek Konrad (ITME), Sar Jarosław (ITME), Kołodziejak Katarzyna (ITME), Osewski Paweł (ITME), Orliński Krzysztof (ITME), Pawlak Dorota (ITME)
$SrTiO_3$-TiO_2 eutectic composite- a candidate material for photoelectrochemical hydrogen production.
Abstract. 1 s.

32.
Kołodziejak Katarzyna (ITME), Sar Jarosław (ITME), Wysmułek Konrad (ITME), Bartsch M. (Department of Materials, ETH Zurich, Zurich, Switzerland), Niederberger M. (Department of Materials, ETH Zurich, Zurich, Switzerland), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)
Photoelectrochemical properties of TiO_2-WO_3 self-organized eutectic material.
Abstract. 1 s., il.

33.
Graphene2016, Genua, Włochy, 2016.04.19-2016.04.22
Pasternak Iwona (ITME), Dąbrowski P. (Departmanet of Solid State Physics, University of Lodz, Poland), Ciepielewski Paweł (ITME), Klusek Z. (Department of Solid States Physica, University of Lodz, Poland), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME)
Large-area high-quality graphene on Ge(001)/Si(001) substrates.
Abstract. 1 s., il.

34.
10th World Biomaterials Congres, Montreal, Canada, 2016.05.17-2016.05.22
Kalaszczyńska I. (Medical University of Warsaw, Department of Histology and Embriology, Poland; Medical of University of Warsaw, Centre for Preclinical Research and Technology, Poland), Zdrojek M (Warsaw University of Technology, Faculty of Physics, Poland), Wróblewska A. (Warsaw University of Technology, Faculty of Physics, Poland), Judek J. (Warsaw University of Technology, Faculty of Physics, Poland), Rumiński S. (Medical University of Warsaw, Department of Histology and Embriology, Poland; Medical of University of Warsaw, Centre for Preclinical Research and Technology, Poland), Baran Magdalena (ITME), Lipińska Ludwika (ITME), Lewandowska-Szumiel M. (Medical University of Warsaw, Department of Histology and Embriology, Poland; Medical of University of Warsaw, Centre for Preclinical Research and Technology, Poland)
Graphene oxide reduction as a result of cells activity.
Abstract. 1 s.

35.
Symposium TECHNICA, Nowy Jork, USA, 2016.05.20-2016.05.22
Strupiński Włodzimierz
Grafen – technologia i zastosowania

36.

19th ICDIM Conference/Session: Scintillation, energy transfer & storage carrier trapping phenomena, Lyon, France, 2016.05.30-2016.06.05

Drozdowski W. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Brylew K. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Łachmański W. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Wojtowicz A.J. (Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME), Pajączkowska Anna (ITME), Talik E. (Institute of Physics, University of Silesia, Katowice, Poland), Szubka M. (Institute of Physics, University of Silesia, Katowice, Poland), Kusz J. (Institute of Physics, University of Silesia, Katowice, Poland), Guzik A. (Institute of Physics, University of Silesia, Katowice, Poland), Balin K. (A.Chelkowski Institute of Physics and Silesian Center for Education and Interdisciplinary Research, University of Silesia, Chorzów, Poland)

A deeper insight into LuYAG:Pr scintillator crystals.

Abstract. (Tu-O-6), 1 s., bibliogr.

37.

XXXVIII-th IEEE-SPIE Joint Symposium, Wilga, Poland, 2016.05.30-2016.06.05

Krzemiński J. (Faculty of Mechantronics, Warsaw University of Technology, Warsaw, Poland), Skalski A. (Faculty of Mechantronics, Warsaw University of Technology, Warsaw, Poland), Szałapak Jerzy (ITME) (Faculty of Mechantronics, Warsaw University of Technology, Warsaw, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechantronics, Warsaw University of Technology, Warsaw, Poland)

Investigation of adhesion of functional nanolayers todifferent substrates.

Proc. of SPIE. Vol.10031, 1003105-1-6. Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2016

38.

Krzemiński J. (Faculty of Mechatronics, Warsaw University of Technology, Warsaw, Poland), Szałapak Jerzy (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warsaw, Poland), Dybowska-Sarapuk Łucja (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warsaw, Poland), Jakubowska Małgorzata (ITME) (Faculty of Mechatronics, Warsaw University of Technology, Warsaw, Poland)

Spray coated nanosilver functional layers.

Proc. of SPIE Vol.10031, 1003104-1-6.Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2016

39.

Szałapak Jerzy (ITME) (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warsaw, Poland), Kiełbasiński Konrad (ITME), Krzemiński J. (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warsaw, Poland), Pawłowski R. (Abraxas Jeremiasz Olgierd, Wodzisław Śląski), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Warsaw, Poland)

Thermal and electrical comparison of different joining techniques.

Proc. of SPIE. Vol.10031, 1003107-1-7. Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2016

40.

Sympozjum Młodych Naukowców Wydziału Fizyki, Toruń, Polska, 2016.06.01-2016.06.01

Łachmański W. (Scintillator and Phosphor Materials Spectroscopy Group, Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Kantorski I. (Scintillator and Phosphor Materials Spectroscopy Group, Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Drozdowski W. (Scintillator and Phosphor Materials Spectroscopy Group, Institute of Physics, Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME)

Effect of thermal annealing on scintillation of $Lu_{0.75}Y_{0.25}AG$:Pr crystals.

Abstract. 1 s., il., bibliogr.

41.

Forum of Understanding on Nanomaterials and their Interdisciplinary applications, Jachranka, Poland, 2016.06.03-2016.06.05

Ciuk Tymoteusz (ITME) (Institute of Microelectronic and Optoelectronics, Warsaw University of Technology, Poland), Strupiński Włodzimierz (ITME), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Poland), Sobieski Jan (ITME) (Faculty of Physics, Warsaw University of Technology, Poland), Przewłoka A. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland), Petruk O. (Industrial Research Institute for Automation and Measurements PIAP, Warsaw, Poland), Kowalik Andrzej (ITME), Jóźwik Iwona (ITME), Rychter A. (Institute of Radioelectronics and Multimedia Technology, Warsaw University of Technology, Poland), Baranowski Jacek (ITME)

Applications of epitaxial graphene.

42.

Advanced Materials and Technologies, Rawa Mazowiecka, Polska, 2016.06.05-2016.06.08

Krasnowski M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Grabias Agnieszka (ITME), Kulik T.

Phase transformations during mechanical alloing of (Fe-Al)-30%B podwer and during heating of the milling products.

Abstract. 1 s., il.

43.

13th International Conference Beam Injection Assessment of Microstructures in Semiconductors, Versailles, France, 2016.06.05-2016.06.09

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Surma Barbara (ITME), Kozubal Michał (ITME), Dierlamm A. (Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen, Germany), Kwestarz M. (Topsil Semiconductor Materials S.A., Warszawa, Poland)

Effect of proton fluence on the properties and concentrations of radiation defects in high-purity FZ Si.

Book of Abstracts. MoB-2, s.22, bibliogr.

44.

International Symposium on Reliability of Optoelectronics for Systems, Otwock, Poland, 2016.06.06-2016.06.09

Kozłowska Anna (ITME), Pietrzak Katarzyna (ITME), Chmielewski Marcin (ITME), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME)

Heat-sinking of high-power laser diodes using copper/carbon nanoform composites.

Materiały konferencyjne. 5 s. il., bibliogr.

45.

XV Krajowa Konferencja Elektroniki, Darłówko Wschodnie, Polska, 2016.06.06-2016.06.10

Caban Piotr (ITME), Firek P. (Wydział Elektroniki i Technik Informacyjnych, Politechnika Warszawska), Teklińska Dominika (ITME), Rudziński Mariusz (ITME), Grzonka Justyna (ITME), Kaszub Wawrzyniec (ITME), Wójcik Marek (ITME), Gaca Jarosław (ITME), Strupiński Włodzimierz (ITME)

Heteroepitaksja AlN/Si z zastosowaniem dodatkowych warstw buforowych.

Materiały konferencyjne. 2 s.

46.

Szałapak Jerzy (ITME) (Wydział Mechatroniki, Politechnika Warszawska), Młożniak Anna (ITME), Teodorczyk Marian (ITME), Jakubowska Małgorzata (ITME) (Wydział Mechatroniki, Politechnika Warszawska), Kiełbasiński Konrad (ITME), Krzemiński J. (Wydział Mechatroniki, Politechnika Warszawska), Pawłowski R. (Abraxas Jeremiasz Olgierd, Wodzisław Śląski; Helioenergia Sp. z o.o., Czerwionka Leszczyny)

Sintered nanosilver joints on rigid and flexible substrates.

Materiały konferencyjne. 10 s., il., bibliogr.

47.

21st World Hydrogen Energy Conference 2016, Zaragoza, Spain, 2016.06.13-2016.06.16

Kołodziejak Katarzyna (ITME), Sar Jarosław (ITME), Wysmułek Konrad (ITME), Bartsch M. (ETH Zurich, Department of Materials, Zurich, Switzerland), Niederberger M. (ETH Zurich, Department of Materials, Zurich, Switzerland), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Warsaw, Poland)

TiO_2-WO_3 self-organized eutectic material for photoelectrochemical water splitting.

Abstract. 1s., il., bibliogr.

48.

Wysmułek Konrad (ITME), Sar Jarosław (ITME), Kołodziejak Katarzyna (ITME), Osewski Paweł (ITME), Orliński Krzysztof (ITME), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)

$SrTiO_3$-TiO_2 eutectic light absorber as a chemically stable candidate for solar-driven water splitting.

Abstract. 1 s.

49.

XI International Conference - Ion Implantation and Other Applications of Ions and Electrons, Kazimierz Dolny, Poland, 2016.06.13-2016.06.16

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

Structural and functional properties of ion-irradiated graphene-elastomer composites.

Abstract. 1 s.

50.
Jóźwik Iwona (ITME), Piątkowska Anna (ITME), Gawlik Grzegorz (ITME), Dąbrowska Elżbieta (ITME), Maląg Andrzej (ITME)
Examination of low-dimensional structures of graphene and ion-implanted semiconductor in a scanning electron microscope at low-kV operation.
Abstract. 1 s.

51.
Graphene Week 2016, Warszawa, Poland, 2016.06.13-2016.06.17
Binder J. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Stępniewski R. (Faculty of Physics, University of Warsaw, Warszawa, Poland), Strupiński Włodzimierz (ITME), Wysmołek A. (Faculty of Physics, University of Warsaw, Warszawa, Poland)
Graphene under water: In-situ Raman of solution gated field-effect transistors.
Abstract Book. 1 s., il., bibliogr.

52.
Bueno R.A. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain), Martinez J.I. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain), Palacio I. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain), Palomares F.J. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain), Mendez J. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME), Lopez M.F. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain), Mompean F. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain), Garcia-Hernandez M. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain), Martin-Gago J.A. (Instituto de Ciencia de Materiales des Madrid-CSIC, Spain)
Organic functionalization of epitaxial graphene on SiC.
Abstract Book. 1 s., il., bibliogr.

53.
Chwalibóg A. (University of Copenhagen, Frederiksberg, Denmark), Kurnatowicz N. (Warsaw University of Life Sciences, Warsaw, Poland), Sawosz E. (Warsaw University of Life Sciences, Warsaw, Poland), Jaworski S. (Warsaw University of Life Sciences, Warsaw, Poland), Kutwin M. (Warsaw University of Life Sciences, Warsaw, Poland), Strojny B. (Warsaw University of Life Sciences, Warsaw, Poland), Wierzbicki M. (Warsaw University of Life Sciences, Warsaw, Poland), Szeliga J. (Warsaw University of Life Sciences, Warsaw, Poland), Lipińska Ludwika (ITME)
Effect of Bio-interaction between graphene and bacteria listeria monocytogenes or salmonella enterica.
Abstract Book. 1 s.

54.
Ciepielewski Paweł (ITME), Strupiński Włodzimierz (ITME), Grzonka Justyna (ITME), Baranowski Jacek (ITME), Kowalski G. (Faculty of Physics, University of Warsaw, Poland), Tokarczyk M. (Faculty of Physics, University of Warsaw, Poland)
Epitaxial growth of ‘freestanding‘ graphene layers on 6H-SiC(0001).
Abstract Book. 1 s. (s.300), il., bibliogr.

55.
Ciuk Tymoteusz (ITME), Petruk O. (Industrial Research Institute for Automation and Measurements PIAP), Kowalik Andrzej (ITME), Jóźwik Iwona (ITME), Caban Piotr (ITME), Wieteska P. (Faculty of Physics, University of Warsaw, Poland), Rychter A. (Institute of

Radioelectronics and Multimedia Technology, Warsaw University of Technology, Poland), Strupiński Włodzimierz (ITME)

Graphene on SiC Hall effect sensor for industrial applications.

56.

Dąbrowski P. (Department of Solid State Physics, University of Lodz, Poland), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME), Rogala M. (Department of Solid State Physics, University of Lodz, Poland), Kowalczyk P.J. (Department of Solid State Physics, University of Lodz, Poland), Busiakiewicz A. (Department of Solid State Physics, University of Lodz, Poland), Lutsyk I. (Department of Solid State Physics, University of Lodz, Poland; Department of Solid State Physics, Yuriy Fedkovych Chernivtsi National University,Chernivtsi, Ukraine), Kopciuszyński M. (Institute of Physics, M.Curie-Skłodowska University, Lublin , Poland), Zdyb R. (Institute of Physics, M.Curie-Skłodowska University, Lublin , Poland), Jalochowski M. (Institute of Physics, M.Curie-Skłodowska University, Lublin , Poland), Klusek Z. (Department of Solid State Physics, University of Lodz, Poland)

The electronic structure of graphene on Ge(001)/Si(001) substrates: experimental and theoretical studies.

Abstract Book. 1 s. (s.370), il., bibliogr.

57.

Gawlik Grzegorz (ITME), Piątkowska Anna (ITME)

Electrochemical etching of graphene by salted water.

Abstract Book. 1 s. (s.325), bibliogr.

58.

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

The effect of mesenchymal stem cells on physicochemical properties of graphene oxide.

Abstract Book. 1 s.

59.

Kaźmierczak P. (Faculty of Physics, University of Warsaw, Poland), Tokarczyk M. (Faculty of Physics, University of Warsaw, Poland), Bożek R. (Faculty of Physics, University of Warsaw, Poland), Kowalski G. (Faculty of Physics, University of Warsaw, Poland), Stępniewski R. (Faculty of Physics, University of Warsaw, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Poland), Pasternak Iwona (ITME), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME)

"Freestanding" behavior of the graphene grown on the Ge(100/Si(100 substrates.

Abstract book. 1 s. (s.303), bibliogr.

60.

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Warsaw, Warsaw, Poland), Korona K. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Warsaw, Poland; Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME) (Institute of Optoelektronics, Military University of Technology, Warsaw, Poland), Pakuła K. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Zytkiewicz Z.R. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland)

Raman scattering in graphene deposited on GaN nanowires with different variations in nanowires height.

Abstract Book. 1 s., il., bibliogr.

61.

Koziński Rafał (ITME), Woluntarski Michał (ITME), Łepecki Michał (ITME), Wiliński Zbigniew (ITME), Lipińska Ludwika (ITME)

Prototype of graphene paper production machine.

Abstract Book. 1 s. (s.301), il., bibliogr.

62.

Kozubal Michał (ITME), Ciepielewski Paweł (ITME), Sobieski Jan (ITME), Grzonka Justyna (ITME), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME)

Imaging ellipsometry supported by Raman spectroscopy, SEM and AFM as a way of standardization of epitaxial graphene characterisation.

Abstract Book. 1 s. (s.375), il., bibliogr.

63.

Krajewska Aleksandra (ITME), Oberda Krzysztof (ITME), Azpeitia J. (Instituto de Ciencia de Materiales de madrid, Consejo Superior de Investigationes Cintificas, Contoblanco, Madrid, Spain), Gutierrez A. (Departamento de Fisica Aplicada, Instituto de Ciencia de Materiales Nicolas Cabrera Universidad Autonoma de Madrid, Contoblanco, Madrid, Spain), Pasternak Iwona (ITME), Lopez M.F. (Instituto de Ciencia de Materiales de madrid, Consejo Superior de Investigationes Cintificas, Contoblanco, Madrid, Spain), Munuera C. (Instituto de Ciencia de Materiales de madrid, Consejo Superior de Investigationes Cintificas, Contoblanco, Madrid, Spain), Strupiński Włodzimierz (ITME)

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Application of reduced graphene oxide in environmental electroanalysis as carbon paste electrode modifier.

Abstract Book. 1 s. (s.356)

65.

Łepecki Michał (ITME), Aksienionek Magdalena (ITME), Woluntarski Michał (ITME), Koziński Rafał (ITME), Strachowski Tomasz (ITME), Lipińska Ludwika (ITME)

Facile route to preparation MoS_2/rGO composite by hydrothermal method.

Abstract Book. 1 s. (s.299) , il., bibliogr.

66.
Melios C. (National Physical Laboratory, Teddington, United Kingdom; Advanced Technology Institute, University of Syrrey, Guildford, Surrey, UK), Spencer S. (National Physical Laboratory, Teddington, United Kingdom), Shard A. (National Physical Laboratory, Teddington, United Kingdom), Strupiński Włodzimierz (ITME), Silva S.R.P. (Advanced Technology Institute, University of Syrrey, Guildford, Surrey, UK), Kazakova O. (National Physical Laboratory, Teddington, United Kingdom)
Quasi-free standing graphene on SiC: Studies of local electronic and structural properties.
Abstract Book. 1 s., il., bibliogr.

67.
Michalska Monika (ITME), Ziółkowska D. (Faculty of Physics, University of Warsaw, Poland), Hamankiewicz B. (Faculty of Chemistry, University of Warsaw, Poland), Krajewski M. (Faculty of Chemistry, University of Warsaw, Poland), Jasiński J.B. (Conn Center for Renewable Energy Research, University of Lousville, KY, USA), Andrzejczuk M. (Faculty of Materials Engineering, Warsaw University of Technology, Poland), Lipińska Ludwika (ITME), Czerwiński A. (Faculty of Chemistry, University of Warsaw, Poland)
Novel graphene oxide/spinel oxide ($LiMn_2O_4$, $Li_4Ti_5O_{12}$) nanocomposites and their application in lithium ion batteries.
Abstract Book. 1 s. (s.332)

68.
Michałowski Paweł (ITME), Kaszub Wawrzyniec (ITME), Merkulov A. (CAMECA,Gennevilliers Cedex, France), Strupiński Włodzimierz (ITME)
Secondary ion mass spectroscopy depth profiling of hydrogen-intercalated graphene on SiC.
Abstract Book. 1 s., il.

69.
Pasternak Iwona (ITME), Dąbrowski P. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Ciepielewski Paweł (ITME), Klusek Z. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME)
High-quality graphene grown on Ge(001)/Si(001) substrates.
Abstract Book.1 s. (s.302), il.

70.
Rogala M. (Department of Solid State Physics, University of Lodz, Poland), Kowalczyk P.J. (Department of Solid State Physics, University of Lodz, Poland), Dąbrowski P. (Department of Solid State Physics, University of Lodz, Poland), Wlasny I. (Department of Solid State Physics, University of Lodz, Poland), Kozłowski W. (Department of Solid State Physics, University of Lodz, Poland), Bisiakiewicz A. (Department of Solid State Physics, University of Lodz, Poland), Pawłowski S. (Department of Solid State Physics, University of Lodz, Poland), Karaduman I. (Department of Physics, Gazi Uniersity, Ankara, Turkey), Lutsyk I. (Department of Solid State Physics, Yuriy Fedkovych Chernivtsi National University, Ukraine), Lipińska Ludwika (ITME), Koziński Rafał (ITME), Jagiełło Joanna (ITME), Baranowski Jacek (ITME), Szot K. (Peter Grunberg Institut & JARA-FIT, Forgscungszentrum Julich, Germany), Klusek Z. (Department of Solid State Physics, University of Lodz, Poland)
Humidity dependent memristive behavior of graphene oxide.
Abstract Book. 1 s. (s.306), il., bibliogr.

71.
Sawosz E. (Warsaw University of Life Sciences, Warsaw, Poland), Jaworski S. (Warsaw University of Life Sciences, Warsaw, Poland), Kutwin M. (Warsaw University of Life Sciences, Warsaw, Poland), Grodzik M. (Warsaw University of Life Sciences, Warsaw, Poland), Wierzbicki M. (Warsaw University of Life Sciences, Warsaw, Poland), Kurantowicz N. (Warsaw University of Life Sciences, Warsaw, Poland), Strojny B. (Warsaw University of Life Sciences, Warsaw, Poland), Hotowy A. (Warsaw University of Life Sciences, Warsaw, Poland), Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Chwalibóg A. (University of Copenhagen, Frederiksberg, Denmark)
Graphene, functionalized with amino acids inhibits development of brain cancer by a gene depended manner.
Abstract Book. s.1

72.
Sekuła M. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland; Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, Poland), Baran Magdalena (ITME), Kmiotek K. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Jagiełło Joanna (ITME), Karnas E. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Madeja Z. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Lipińska Ludwika (ITME), Zuba-Surma E. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland)
Graphene-based substrate for mesenchymal stem cell growth and differentiation.
Abstract Book. 1 s. (s.210)

73.
Sobieski Jan (ITME) (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland), Pasternak Iwona (ITME), Walczak R. (Seco/Warwick S.A., Świebodzin, Poland), Strupiński Włodzimierz (ITME)
Scaling up of Graphene growth on copper foils.
Abstract Book. 1 s., il., bibliogr.

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Soboń G. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Wroclaw, Poland), Sotor J. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Wroclaw, Poland), Krzempek K. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Wroclaw, Poland), Dudzik G. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Wroclaw, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Wroclaw University of Technology, Wroclaw, Poland)
Prototype of a graphene-based ultrafast fiber laser.
Abstarct Book. 1 s. il., bibliogr.

75.
Sotor J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Technology, Poland), Sobon G. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Technology, Poland), Bogusławski J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Technology, Poland), Pawliszewska M. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Technology, Poland),

Kowalczyk M. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Technology, Poland), Tarka J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Technology, Poland), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Przewłoka Aleksandra (ITME), Strupiński Włodzimierz (ITME), Abramski K.M. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Technology, Poland)

Broadband saturable absorbers based on graphene/PMMA composite for ultrashort pulse generation in 1550-2100 nm spectral range.
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76.
Strachowski Tomasz (ITME), Woluntarski Michał (ITME), Łepecki Michał (ITME), Koziński Rafał (ITME), Aksienionek Magdalena (ITME), Lipińska Ludwika (ITME)

Influence of synthesis codnitions on GO and rGO specific surface area measured by the BET method.
Abstract Book. 1 s. (s.298), il., bibliogr.

77.
Tortello M. (Dipartimento di Scienza Applicata e Tecnologia (DISAT), Politecnico di Torino, Alessandria, Italy), Colonna S. (Dipartimento di Scienza Applicata e Tecnologia, Politecnico di Torino,Alessandria, Italy), Gomez J. (AVANZARE Innovacion Tecnologica S.L., Navarrete, Spain), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME), Pavese M. (Dipartimento di Scienza Applicata e Tecnologia (DISAT), Politecnico di Torino, Alessandria, Italy), Giorgis F. (Dipartimento di Scienza Applicata e Tecnologia (DISAT), Politecnico di Torino, Alessandria, Italy), Saracco G. (Dipartimento di Scienza Applicata e Tecnologia (DISAT), Politecnico di Torino, Alessandria, Italy), Gonnelli R.S. (Dipartimento di Scienza Applicata e Tecnologia (DISAT), Politecnico di Torino, Alessandria, Italy), Fina A. (Dipartimento di Scienza Applicata e Tecnologia, Politecnico di Torino, Alessandria, Italy)

Nanoscale characterization of the thermal conductivity of supported graphite nanoplates, graphene and few-layer graphene.
Abstract Book. 1 s., il., bibliogr.

78.
Vermeulen N. (Brussels Photonics Team, Vrije Universiteit Brussel, IR-TONA, Brussels, Belgium), Van Erps J. (Brussels Photonics Team, Vrije Universiteit Brussel, IR-TONA, Brussels, Belgium), Ciuk Tymoteusz (ITME), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Strupiński Włodzimierz (ITME), Thienpont H. (Brussels Photonics Team, Vrije Universiteit Brussel, IR-TONA, Brussels, Belgium)

New fabrication method and optical application possibilities for graphene integrated into silicon photonics.
Abstract Book. 1 s., il., bibliogr.

79.
Woluntarski Michał (ITME), Łepecki Michał (ITME), Jagiełło Joanna (ITME), Lipińska Ludwika (ITME)

Influence of stirring conditions on the efficiency of graphite oxide exfoliation.
Abstract Book. 1 s., il., bibliogr.

80.
45th "Jaszowiec" International School and Conference on the Physics of Semiconductors, Szczyrk, Poland, 2016.06.18-2016.06.24

Michalska Monika (ITME), Królicka Aleksandra (ITME)
Synthesis of thermoelectric $Ca_2Co_2O_5$ nanocrystalline powder - structural and selected physical studies.
Abstract. 1 s.

81.
Królicka Aleksandra (ITME), Michalska Monika (ITME), Mirowska Aleksandra (ITME), Piersa Mirosław (ITME), Materna Andrzej (ITME)
Impact of different conditions of technological process on thermoelectric properties of nano-grained n-type PbTe.
Abstract. 1 s., bibliogr.

82.
Tokarczyk M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Kowalski G (Faculty of Physics, University of Warsaw, Warsaw, Poland), Gryglas-Borysiewicz M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Ciepielewski Paweł (ITME), Możdżonek Małgorzata (ITME), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland)
Structural investigations of graphene layers grown on 4H-SiC - buffer layer engineering.
Abstract. 1 s., il., bibliogr.

83.
XI Ogólnopolskie Seminarium Spektroskopii Mössbauerowskiej, Radom-Turno, Polska, 2016.06.19-2016.06.22
Grabias Agnieszka (ITME), Basykh V. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Ferenc J. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Cieślak G. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Kulik T. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Kopcewicz Michał (ITME)
Mössbauer and magnetic studies of FeCoNiSiBCuNb nanocrystalline alloys.
Program i Abstrakty. 1 s., il., bibliogr.

84.
Malczewski D. (University of Silesia, Faculty of Earth Sciences, Sosnowiec, Poland), Grabias Agnieszka (ITME)
Preliminary results of ^{57}Fe mössbauer spectroscopy of metamict samarskite after one-hour high temperature annealing in argon.
Program i Abstrakty. s.1 (O-05)

85.
58 Konwersatorium Krystalograficzne, Wrocław, Polska, 2016.06.23-2016.06.24
Diduszko Ryszard (ITME) (Instytut Tele- i Radiotechniczny, Warszawa), Malinowska Agnieszka (ITME), Wierzbicka Edyta (ITME), Miśta E. (Narodowe Centrum Badań Jądrowych, Otwock)
Rentgenowskie badania wykopalisk z epoki brązu.
Abstrakt. 1 s., il., bibliogr.

86.

14th International Symposium on Novel and Nano Materials, Budapest, Hungary, 2016.07.03-2016.07.08

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

Role of interface in copper-silicon carbide composite materials.

Abstract. 1 s., bibliogr.

87.

14th International Symposium on Novel and Nano Materials, Budapest, Hungary, 2016.07.03-2016.07.08

Pietrzak Katarzyna (ITME), Gładki Andrzej (ITME), Frydman Krystyna (ITME), Wójcik-Grzybek Danuta (ITME), Strojny-Nędza Agata (ITME), Wejrzanowski Tomasz (Faculty of Materials Science and Engineering Warsaw University of Technology, Warsaw, Poland)

Copper-graphene oxide composites - processing, microstructure and thermal properties.

Abstract. 1 s., bibliogr.

88.

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

Influence of material coating on the heat transfer in layered Cu-SiC-Cu systems.

Abstract. 1 s., bibliogr.

89.

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

Synthesis and characterization of antimony telluride for thermoelectric and optoelectronic applications.

Abstract. 1 s.

90.

8th European Postgraduate Fluid Dynamics Conference, Warszawa, Poland, 2016.07.06-2016.07.09

Remer M. (Institute of Aeronautics and Applied Mechanics, Department of Aerodynamics, Warsaw, University of Technology, Poland), Stasiuk K. (Institute of Aeronautics and Applied Mechanics, Department of Aerodynamics, Warsaw, University of Technology, Poland), Sobieraj G. (Institute of Aeronautics and Applied Mechanics, Department of Aerodynamics, Warsaw, University of Technology, Poland), Rokicki J. (Institute of Aeronautics and Applied Mechanics, Department of Aerodynamics, Warsaw, University of Technology, Poland), Gumowski K.

(Institute of Aeronautics and Applied Mechanics, Department of Aerodynamics, Warsaw, University of Technology, Poland), Stańczyk Beata (ITME), Dobrzański Lech (ITME)
Dynamic contact angle of water droplet on superhydrophobic surface.

91.

27th International Conference on Atomic Collisions in Solids, Lanzhou, Chiny, 2016.07.24-2016.07.29

Gawlik Grzegorz (ITME), Ciepielewski Paweł (ITME), Jagielski Jacek (ITME)
Modification of graphene by ion beam.
Abstract. 1 s., bibliogr.

92.

4th International Symposium Optics & its Applications, Yerevan-Ashtarak, Armenia, 2016.07.25-2016.07.28

Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kujawa Ireneusz (ITME), Kasztelanic Rafał (ITME), Pysz Dariusz (ITME), Klimczak Mariusz (ITME), Kluczyński B. (Airoptic sp. z o.o., Rubierz, Poznań, Poland), Cimek Jarosław (ITME), Stępień Ryszard (ITME), Waddie A. (Institute of Photonics and Quantum Sciences, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Alajoki T. (VTT Oy, Katovayla, Oulu, Finland), Cherchi M. (VTT Oy, Katovayla, Oulu, Finland), Suomalainen S. (Optoelectronics Research Centre, Tempere University of Technology, Tempere, Finland), Viheriala J. (Optoelectronics Research Centre, Tempere University of Technology, Tempere, Finland), Guina M. (Optoelectronics Research Centre, Tempere University of Technology, Tempere, Finland), Virtanen S. (Vaisala Oyj, Vanha Nurmijarventie, Vantaa, Finland), Ratajczyk M. (VIGO System S.A., Ożarów Mazowiecki, Poland), Taghizadeh M.R. (Institute of Photonics and Quantum Sciences, School of Engineering and Physical Sciences, Heriot-Watt University, Edinburgh, Scotland, UK), Karioja P. (VTT Oy, Katovayla, Oulu, Finland)
Novel components and devices for mid IR sensors.
Book of Abstracts. s.42

93.

33rd International Conference on the Physics of Semiconductors, Beijing, China, 2016.07.31-2016.08.05

Materna Andrzej (ITME), Kończykowski M. (Laboratoire des Solides Irradies, CNRS UMR 7642&CEA-DSM-IRAMIS Ecole Polytechniqe, Palaiseau Cedex, France), Wołoś A. (University of Warsaw, Faculty of Physics, Warsaw, Poland; Institute of Physics Polish Academy of Sciences, Warsaw, Poland), Hruban Andrzej (ITME), Kamińska M. (University of Warsaw, Faculty of Physics, Warsaw, Poland), Romaniec Magdalena (ITME), Mirowska Aleksandra (ITME), Królicka Aleksandra (ITME), Strzelecka Stanisława (ITME), Piersa Mirosław (ITME), Diduszko Ryszard (ITME)
Record-high resistivity in ternary compound Bi_2Te_2Se, topological insulator grown by Vertical Bridgman method.
Abstract. 1 s.

94.

6th International Congress on Ceramics, Drezno, Germany, 2016.08.21-2016.08.25

Wajler Anna (ITME), Węglarz Helena (ITME), Sidorowicz Agata (ITME), Nakielska Magdalena (ITME), Jach Katarzyna (ITME)
Freeze granulation of nanometric and submicronic powders for transparent Nd:YAG ceramics.

95.

Toplogical Matter School 2016, San Sebastian, Hiszpania, 2016.08.22-2016.08.26

Materna Andrzej (ITME), Hruban Andrzej (ITME), Piersa Mirosław (ITME), Wołoś A. (Institute of Physics Polish Academy of Sciences (IFPAN), Warsaw, Poland)

Bi_2Te_2Se - topological insulator with high resistivity.

Abstract. 1 s., bibliogr.

96.

16th European Microscopy Congress, Lyon, France, 2016.08.28-2016.09.02

Grzonka Justyna (ITME), Pasternak Iwona (ITME), Krajewska Aleksandra (ITME), Ciepielewski Paweł (ITME), Strupiński Włodzimierz (ITME)

Study of graphene by ultra-low Energy SEM.

Abstract. 2 s., il.

97.

Fuerzas y Tunel 2016, Girona, Hiszpania, 2016.09.05-2016.09.07

Azpeitia J. (Instituto de Ciencia de Materials de Madrid (ICMM-CSIC), Contoblanco, Madrid, Spain), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Martinez L. (Instituto de Ciencia de Materials de Madrid (ICMM-CSIC), Contoblanco, Madrid, Spain), Martinez J.I. (Instituto de Ciencia de Materials de Madrid (ICMM-CSIC), Contoblanco, Madrid, Spain), Gutierrez A. (Departamento de Fisica Aplicada, Instituto de Ciencia de Materiales Nicolas Cabrera, Universidad Autonoma de Madrid, Contoblanco, Madrid, Spain), Oberda Krzysztof (ITME), Pasternak Iwona (ITME), Mierczyk Z. (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Huttel Y. (Instituto de Ciencia de Materials de Madrid (ICMM-CSIC), Contoblanco, Madrid, Spain), Martin-Gago J.A. (Instituto de Ciencia de Materials de Madrid (ICMM-CSIC), Contoblanco, Madrid, Spain), Garcia-Hernandez M. (Instituto de Ciencia de Materials de Madrid (ICMM-CSIC), Contoblanco, Madrid, Spain), Strupiński Włodzimierz (ITME), Lopez M.F. (Instituto de Ciencia de Materials de Madrid (ICMM-CSIC), Contoblanco, Madrid, Spain), Munuera C. (Instituto de Ciencia de Materials de Madrid (ICMM-CSIC), Contoblanco, Madrid, Spain)

Au NPs on graphene: influence of the deposition method on the doping effect.

Abstract. 1 s., bibliogr.

98.

Photonics and Fiber Technology Conference, Sydney, Australia, 2016.09.05-2016.09.08

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

Towards compact coherent and broadband all-normal mid-infrared supercontinuum source.

Abstract. 2 s., il., bibliogr.

99.

20th Slovak-Czech-Polish Optical Conference on Wave and Quantum Aspects of Contemporary Optics, Jasna, Słowacja, 2016.09.05-2016.09.09

Kasztelanic Rafał (ITME), Kujawa Ireneusz (ITME), Stępień Ryszard (ITME), Haraśny Krzysztof (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Department of Physics, Warsaw, Poland)

Molding of soft glass refraction lenses with hot emobossing process in reduced pressure.

Abstract. 1 s., il., bibliogr.

100.
Kasztelanic Rafał (ITME), Filipkowski Adam (ITME), Stępień Ryszard (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Department of Physics, Warsaw, Poland)
Shack-Hartman detector based on a hexagonal matrix of micro GRIN lenses fabricating by stack and draw technique.
Abstract. 1 s., il. bibliogr.

101.
11th International Conference on Surface, Coatings and Nanostructured Materials, Aveiro, Portugalia, 2016.09.06-2016.09.09
Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Teodorczyk Marian (ITME), Zybała R. (Warsaw University of Technology, Warsaw, Poland), Bazarnik P. (Warsaw University of Technology, Warsaw, Poland), Nosewicz S. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Jarząbek D. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Strojny-Nędza Agata (ITME)
Effect of metallic coating on the properties of copper-silicon carbide composites.
Abstract. 1 s., il., bibliogr.

102.
Pietrzak Katarzyna (ITME), Olesińska Wiesława (ITME), Strąk Cezary (ITME), Siedlec Robert (ITME), Gładki Andrzej (ITME)
Cu-graphene subsurface layer creation on copper substrate and its resistance to oxidation.
Abstract. 1 s., bibliogr.

103.
Strojny-Nędza Agata (ITME), Pietrzak Katarzyna (ITME), Gładki Andrzej (ITME), Jarząbek D.M. (Instituite of Fundamental Technological research, Polish Academy of Sciences, Warsaw, Poland), Chmielewski Marcin (ITME)
The influence of the preparing conditions, shape and from of starting materials on the adhesion between ceramic particles and metal matrix in Cu-Al_2O_3 composites.
Abstract. 1 s., il., bibliogr.

104.
Teklińska Dominika (ITME) (Warsaw University of Technology, Faculty of Materials Science, Warsaw, Poland), Możdżonek Małgorzata (ITME), Jóźwik Iwona (ITME), Olszyna A. (Warsaw University of Technology, Faculty of Materials Science, Warsaw, Poland), Strupiński Włodzimierz (ITME)
Hexagonal nitride grown on silicon carbide substrates.
Abstract. 1 s.

105.
Polska Ceramika 2016 - IX Międzynarodowa Konferencja Naukowo-Techniczna, Kraków, Polska, 2016.09.11-2016.09.14
Boniecki Marek (ITME), Wesołowski Władysław (ITME), Gołębiewski Przemysław (ITME), Zybała Rafał (ITME), Kaszyca Kamil (ITME), Koziński Rafał (ITME), Piątkowska Anna (ITME), Romaniec Magdalena (ITME), Ciepielewski Paweł (ITME), Krzyżak Konrad (ITME)

Właściwości mechaniczne ceramiki Y_2O_3 wzmocnionej płatkami grafenowymi w podwyższonej temperaturze.
Abstrakt. 1 s.

106.
Gołębiewski Przemysław (ITME), Wajler Anna (ITME), Węglarz Helena (ITME), Zych Ł. (Akademia Górniczo-Hutnicza, Kraków)
Modyfikacja powierzchni submikronowego proszku spinelu glinowo-magnezowego za pomocą kwasu ortofosforowego i jednozasadowego fosforanu glinu.
Abstrakt. 1 s.

107.
XII Konferencja Naukowa "Technologia Elektronowa", Wisła, Polska, 2016.09.11-2016.09.14
Bugajski M. (Institute of Electron Technology, Warsaw, Poland), Gutowski P. (Institute of Electron Technology, Warsaw, Poland), Pierścińska D. (Institute of Electron Technology, Warsaw, Poland), Pierściński K. (Institute of Electron Technology, Warsaw, Poland), Serebrennikova O. (Ioffe Physical Technical Institute), Morawiec M. (Institute of Electron Technology, Warsaw, Poland), Karbownik P. (Institute of Electron Technology, Warsaw, Poland), Sankowska I. (Institute of Electron Technology, Warsaw, Poland), Badura M. (Department of Surgery of the Veterinary Medicine Faculty, Academy of Agriculture in Wrocław, Poland), Radziewicz D. (Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Poland), Ściana B. (Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Poland), Tłaczała M. (Faculty of Microsystem Electronics and Photonics, Wrocław University of Technology, Poland), Dumiszewska Ewa (ITME)
Strain-compensated AlInAs/InGaAs/InP quantum cascade lasers of gas detection systems.

108.
Caban Piotr (ITME), Wójcik Marek (ITME), Gaca Jarosław (ITME), Rudziński Mariusz (ITME), Strupiński Włodzimierz (ITME)
Wpływ wysokotemperaturowej warstwy AlN na osadzanie GaN oraz heterostrukturę tranzystora AlGaN/AlN/GaN.
Materiały konferencyjne. 2 s., bibliogr.

109.
Dumiszewska Ewa (ITME), Knyps Piotr (ITME), Kaszub Wawrzyniec (ITME), Wesołowski Marek (ITME), Strupiński Włodzimierz (ITME)
Technologia struktur epitaksjalnych elastycznych ogniw słonecznych.
Proc.SPIE. Epitaxial lift-off technology of GaAs multijunction solar cells. Vol.10175, Electron Technology Conference 2016

110.
Michałowski Paweł (ITME), Kaszub Wawrzyniec (ITME), Merkulov A. (CAMECA,Gennevilliers Cedex, France), Strupiński Włodzimierz (ITME)
Secondary ion mass spectroscopy depth profiling of hydrogen intercalated graphene on SiC.
Abstract. 1 s.

111.

18th International Conference Physics of Highly Charged Ions, Kielce, Poland, 2016.09.11-2016.09.16

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

Graphene defects induced by ion beam.

Book of Abstract. PA55, s.121, bibliogr.

112.

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

Modification of titanium and gold nanolayers by slow Xe^{35+} ions.

Abstract. 1 s., il., bibliogr.

113.

II Krajowa Konferencja "Grafen i inne materiały 2D"/2nd Polish Conference "Graphene and 2D materials", Szczecin, Polska, 2016.09.12-2016.09.14

Aksienionek Magdalena (ITME), Jagiełło Joanna (ITME), Woluntarski Michał (ITME), Lipińska Ludwika (ITME)

Ewolucja regionu 2D oraz mechanizm transportu nośników ładunku w zależności od stopnia rozdrobnienia zredukowanego tlenku grafenu.

Materiały Konferencyjne. 1 s., il., bibliogr.

114.

Dąbrowski P. (Wydział Fizyki i Informatyki Sosowanej, Uniwersytet Łódzki, Łódź, Polska), Rogala M. (Wydział Fizyki i Informatyki Sosowanej, Uniwersytet Łódzki, Łódź, Polska), Lutsyk I. (Wydział Fizyki i Informatyki Sosowanej, Uniwersytet Łódzki, Łódź, Polska; Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine), Kopciuszyński M. (Uniwerystet Marii Curie-Skłodowskiej, Lublin, Polska), Jałochowski M. (Uniwerystet Marii Curie-Skłodowskiej, Lublin, Polska), Zdyb R. (Uniwerystet Marii Curie-Skłodowskiej, Lublin, Polska), Pasternak Iwona (ITME), Strupiński Włodzimierz (ITME), Baranowski Jacek (ITME), Klusek Z. (Wydział Fizyki i Informatyki Sosowanej, Uniwersytet Łódzki, Łódź, Polska)

Wpływ podłoża na własności elektronowe grafenu.

Materiały konferencyjne. s.36

115.

Jagiełło Joanna (ITME), Sekuła M. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków), Karnas E. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków), Noga S. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków), Kurcz M. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków), Strachowski Tomasz (ITME), Kurp K. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet

Jagielloński, Kraków), Lipińska Ludwika (ITME), Zuba-Surma E. (Zakład Biologii Komórki, Wydział Biochemii, Biofizyki i Biotechnologii, Uniwersytet Jagielloński, Kraków)

Grafen płatkowy jako podłoże dla ludzkich mezenchymalnych komórek macierzystych.
Materiały Konferencyjne. 1 s., il., bibliogr.

116.

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

Spektroskopowe i mikroskopowe badania własności grafenu przekładanego na podłoża nanodrutów o różnym rozkładzie wysokości.
Materiały Konferencyjne. s.48-49, il.

117.

Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Skrzypczyńska K. (Institute of Chemistry, Military University of Technology, Warsaw, Poland), Kuśmierek K. (Institute of Chemistry, Military University of Technology, Warsaw, Poland), Świątkowski A. (Institute of Chemistry, Military University of Technology, Warsaw, Poland)
Adsorption and electrochemical properties of reduced graphene oxide in comparison with activated carbon in 2,4-D herbicide solution.
Materiały Konferencyjne. 1 s., bibliogr.

118.

Strąk Cezary (ITME), Siedlec Robert (ITME)

Wpływ grafenu i tlenu na właściwości kompozytu miedź-tlen-węgiel.
Materiały Konferenyjne. 2 s., il., bibliogr.

119.

Rogala M. (Wydział Fizyki i Informatyki, Uniwersytet Łódzki), Dąbrowski P. (Wydział Fizyki i Informatyki, Uniwersytet Łódzki), Kowalczyk P.J. (Wydział Fizyki i Informatyki, Uniwersytet Łódzki), Własny I. (Wydział Fizyki, Uniwersytet Warszawski), Kozłowski W. (Wydział Fizyki i Informatyki, Uniwersytet Łódzki), Busiakiewicz A. (Wydział Fizyki i Informatyki, Uniwersytet Łódzki), Lutsyk I. (Wydział Fizyki i Informatyki, Uniwersytet Łódzki; Yury Fedkovych Chernivtsi National University, Ukraina), Lipińska Ludwika (ITME), Baranowski Jacek (ITME), Klusek Z. (Wydział Fizyki i Informatyki, Uniwersytet Łódzki)

Wpływ standardowych technik pomiarowych na strukturę chemiczną i elektronową tlenku grafenu.
Materiały Konferencyjne. s.35, il., bibliogr.

120.

COST Action MP1302 Nanospectroscopy Topical Meeting on "Nanoparticles Synthesis Assembly, Characterization and Applications", Warszawa, Poland, 2016.09.13-2016.09.16
Kurowska Marta (ITME), Gajc Marcin (ITME), Surma Barbara (ITME), Osewski Paweł (ITME), Pawlak Dorota

An attempt to obtain stimulated emission in effective gain medium with semiconductor quantum dots and silver nanoparticles.

Book of Abstracts. s.23, bibliogr.

121.
Paszke P. (Centre of New Technologies, Warsaw, Poland), Nowaczyński R. (Centre of New Technologies, Warsaw, Poland), Kłos Andrzej (ITME), Gajc Marcin (ITME), Osewski Paweł (ITME), Pawlak Dorota (ITME)
Microspheres for WGM microresonators used as biosensors.
Book of Abstracts. s.27, bibliogr.

122.
Gajc Marcin (ITME), Kłos Andrzej (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)
Nanoparticle based nanocomposite materials with unusual optical peoperties manufactured by micro-pulling down method.
Book of Abstracts. s.20, bibliogr.

123.
Szlachetko Kamil (ITME), Osewski Paweł (ITME), Surma Barbara (ITME), Sadecka Katarzyna (ITME), Kasprowicz Dobrosława (ITME), Pawlak Dorota (ITME)
Observation of silver nanoparticles in nanoplasmonic eutectic-based Bi2O3-Ag composite.
Book of Abstracts. s.42

124.
Nowaczyński Rafał (ITME) (Centre of New Technologies, University of Warsaw, Warsaw, Poland), Gajc Marcin (ITME), Surma Barbara (ITME), Osewski Paweł (ITME), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Warsaw, Poland)
Synthesis and optical properties of quantum dot based nanocomposite with narrow-band emission at two different wavelengths.
Book of Abstracts. s.24, bibliogr.

125.
Jakubowski Damian (ITME), Osewski Paweł (ITME), Antolik Aneta (ITME), Pawlak Dorota (ITME)
Transmission experiments for cofirmation of subwavelength transmission in $Tb_3Sc_2Al_3O_{12}$-$TbScO_3$ eutectic.
Book of Abstracts. s.38

126.
Advances in Optofluidics: Integration of Optical Control and Photonics with Microfluidics, Cetraro, Włochy, 2016.09.14-2016.09.15
Kasztelanic Rafał (ITME), Pniewski J. (Faculty of Physics, University of Warsaw, Poland), Stefaniuk T. (Faculty of Physics, University of Warsaw, Poland), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)
Compact nonlinear photonic crystal fiber systems infiltrated with liquids.
Abstract Booklet. 1 s.

127.
Frontiers in Optics Laser Science/OSA Technical Conference, Rochester, USA, 2016.09.17-2016.09.07
Sotor J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Technology, Wroclaw, Poland), Sobon G. (Laser & Fiber Electronics Group, Faculty of

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

Sub-100 fs all-PM Er-doped solition mode-locked fiber oscillator based on graphene saturable absorber.

Abstract. 1s., JTh2A.105

128.

SIMS Europe 2016, Munster, Germany, 2016.09.18-2016.09.20

Michałowski Paweł (ITME), Kaszub Wawrzyniec (ITME), Merkulov A. (CAMECA,Gennevilliers Cedex, France), Strupiński Włodzimierz (ITME)

Secondary ion mass spectroscopy depth profiling of hydrogen intercalated graphene on SiC.

Abstract. 1 s.

129.

E-MRS 2016 Fall Meeting, Warszawa, Poland, 2016.09.19-2016.09.22

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

Influence of AlN buffer layer on epitaxy of GaN and HEMTs.

Abstract. 1s.

130.

Dumiszewska Ewa (ITME), Gaca Jarosław (ITME), Wójcik Marek (ITME), Jóźwik Iwona (ITME), Strupiński Włodzimierz (ITME)

Growth of InP nanowires by MOVPE.

Abstract. 1 s. E.P2.1

131.

E-MRS 2016 Fall Meeting/Symposium Z: Functional oxides - synthesis, structure, properties and applications, Warszawa, Poland, 2016.09.19-2016.09.22

Wierzbicka Edyta (ITME), Malinowska Agnieszka (ITME), Wierzchowski Wojciech (ITME), Romaniec Magdalena (ITME), Kisielewski Jarosław (ITME), Hartwig J. (European Synchrotron Radiation Facility (ESRF), Grenoble, France)

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

Abstract. 1 s., bibliogr.

132.

14th European Conference on Thermoelectrics/Instituto Superior Tecnico, Lisbon, Portugal, 2016.09.20-2016.09.23

Kaszyca Kamil (ITME), Schmidt Maksymilian (ITME), Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Zybała R. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland)

Joining of thermoelectric material with metallic electrode using Spark Plasma Sintering (SPS) technoque.

133.

GraphChina 2016, Quingdao, China, 2016.09.22-2016.09.24

Strupiński Włodzimierz (ITME)

Graphene growth on SiC and Ge - from lab scale to production.

134.

XI Sympozjum Techniki Laserowej, Jastarnia, Polska, 2016.09.27-2016.09.30

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

Generacja solitonów sprzężonych w laserze światłowodowym z nasycalnym absorberem na bazie grafenu.

Proc.SPIE. Vol.10159, 1015907. Laser Technology: Progress and Applications of Lasers; Książka Abstraktów. PL1-1, il.,bibliogr.

135.

Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Kiełbasiński Konrad (ITME), Maląg Andrzej (ITME)

Nanosrebro w technologii diod laserowych.

Książka Abstraktów. s.122, PL2-15

136.

Maląg Andrzej (ITME), Sobczak Grzegorz (ITME), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Dąbrowski Andrzej (ITME)

Stabilizacja wiązki w płaszczyźnie złącza poprzez preferencję wysokiego modu bocznego w diodach laserowych na pasmo 980 nm.

Książka Abstraktów. s.31, RS1-5, il.

137.

Pawliszewska M. (Politechnika Wrocławska), Soboń G. (Politechnika Wrocławska), Kaczmarek P. (Politechnika Wrocławska), Przewłoka Aleksandra (ITME), Pasternak Iwona (ITME), Peterka P. (Instytut Fotoniki i Elektroniki Czeskiej Akademii Nauk, Praga, Czechy), Strupiński Włodzimierz (ITME), Abramski K. (Politechnika Wrocławska), Sotor J. (Politechnika Wrocławska)

Generacja ultrakrótkich impulsów w zakresie spektralnym 2070-2090 nm w układzie lasera ze światłowodem aktywnym domieszkowanym jonami holmu.

Książka Abstraktów. s.74, PL1-5, il., bibliogr.

138.

Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME), Jeremiasz O. (Helioenergia Sp. z o.o., Czerwnonka Leszczyny, Polska), Krzyżak Konrad (ITME), Maląg Andrzej (ITME)

Kontakty dla krzemowych ogniw słonecznych otrzymywane metodą laserowego wygrzewania i wtapiania past SILVER CON.

Książka Abstraktów. s.143, PL2-36, il.

139.

EU Graphene Flagship US NSF Workshop: 2D Materials, Heterostuctures and Devicws, Manchester, United Kingdom, 2016.10.10-2016.10.12

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

Graphene-enhanced secondary ion mass spectroscopy (GESIMS) for analysis of surface, 2D materials and ultra thin films.

Abstract. 1 s., il.

140.

25th Anniversary Conference: Biomaterials in Medicine and Veterinary Medicine, Rytro, Poland, 2016.10.13-2016.10.16

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

Graphene-based substrates influence biological and functional properties of human umbilical cord-derived mesenchymal stem cells.

141.

10th International Conference of Polish Society for Crystal Growth, Zakopane, Poland, 2016.10.16-2016.10.21

Wysmułek Konrad (ITME), Sar Jarosław (ITME), Kołodziejak Katarzyna (ITME), Osewski Paweł (ITME), Orliński Krzysztof (ITME), Radecka M. (Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Poland), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)

$SrTiO_3$-TiO_2 eutectic as an attractive material for solar-driven water slitting.

Abstract Book. s.97

142.

Wołoś A. (Institute of Physics, Polish Academy od Sciences, 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), Borysiuk J. (Institute of Physics, Polish Academy od Sciences, Poland), Sobczak K. (Institute of Physics, Polish Academy od Sciences, Poland), Kończykowski M. (Laboratoire des Solides Irradies, Ecole Polytechnique, France)

Three-dimensional topolgical insulators.

Abstract Book. s.95, bibliogr.

143.

Tymicki Emil (ITME), Racka-Szmidt Katarzyna (ITME), Raczkiewicz Marcin (ITME), Grasza K. (Institute of Physics, Polisch Academy of Sciences, Poland)

4H-SiC polytype stability in SiC crystals grown by PVT method.

Abstract Book. s.75, bibliogr.

144.

Strupiński Włodzimierz (ITME)

Graphene growth on semiconductors and metals.

Abstract Book. s.22

145.
Sar Jarosław (ITME), Kołodziejak Katarzyna (ITME), Wysmułek Konrad (ITME), Pawlak Dorota (ITME) (Centre of New Technologies, University of Warsaw, Poland)
Eutectic systems based photoelectrochemical cells.
Abstract Book.1 s., bibliogr.

146.
Sadecka Katarzyna (ITME), Toudert J. (Laser Processing Group, Instituto de Optica, CSIC, Spain), Surma Barbara (ITME), Gajc Marcin (ITME), Pawlak Dorota (ITME)
Directional solidification of eutectics-nanoplasmonic volumetric, self-organized silver based eutectic metamaterial.
Abstract Book. s.31

147.
Sadecka Katarzyna (ITME), Berger M.H. (Centre des Materiaux, MINES Paristech, CNRS, France), Gajc Marcin (ITME), Kisielewski Jarosław (ITME), Pawlak Dorota (ITME)
Evolution of silver in a eutectic-based Bi2O3-Ag metamaterial.
Abstract Book. s.118

148.
Sadecka Katarzyna (ITME), Toudert J. (Laser Processing Group, Instituto de Optica, CSIC, Spain), Surma Barbara (ITME), Turczyński Sebastian (ITME), Pawlak Dorota (ITME)
Tunability of the nanoplasmonic resonance of a volumetric eutectic-based Bi2O3-Ag metamaterial.
Abstract Book. s.117

149.
Raczkiewicz Marcin (ITME), Kłos Andrzej (ITME), Osewski Paweł (ITME), Gajc Marcin (ITME), Pawlak Dorota (ITME)
Utilizing the micro-pulling down method as a manufacturing method of organic crystals on the example of vanillin (MHBA).
Abstract Book. s. 116

150.
Paszke Piotr (ITME), Nowaczyński Rafał (ITME), Kłos Andrzej (ITME), Gajc Marcin (ITME), Osewski Paweł (ITME), Pawlak Dorota (ITME)
Microspheres for WGM resonators for use as biosensors.
Abstract Book. s.81

151.
Pasternak Iwona (ITME), Dąbrowski P. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Ciepielewski P. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Baranowski Jacek (ITME), Strupiński Włodzimierz (ITME)
Graphene growth on large area Ge(001/Si(001) substrates.
Abstract Book. s. 40

152.
Osewski Paweł (ITME), Belardini A. (Universita‘ doi Roma "La Sapienza", Rome, Italy), Petronijevic E. (Universita‘ doi Roma "La Sapienza", Rome, Italy), Leahu G. (Universita‘ doi

Roma "La Sapienza", Rome, Italy), Centini M. (Universita‘ doi Roma "La Sapienza", Rome, Italy), Berger M.H. (Laboratoire Pierre-Marie Fourt, Centre des Materiaux de l‘Ecole des Mines se Paris and CNRS UMR 7633, Evry, France), Sibilia C. (Universita‘ doi Roma "La Sapienza", Rome, Italy), Pawlak Dorota (ITME)

Optical properties of $ZnO-ZnWO_4$ eutectic and $ZnWO_4$ single crystal.

Abstract Book. s.69, bibliogr.

153.

Nowaczyński Rafał (ITME), Gajc Marcin (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)

Synthesis and optical properties of quantum dot based nanocomposite with narrow-band emission at dwo different wavelengths.

Abstract Book. s.36, bibliogr.

154.

Materna Andrzej (ITME), Piersa Mirosław (ITME), Romaniec Magdalena (ITME), Diduszko Ryszard (ITME), Mirowska Aleksandra (ITME), Królicka Aleksandra (ITME)

BiTeCl - topological insulators with strong asymmetric inversion.

Abstract Book. s.112, bibliogr.

155.

Lipińska Ludwika (ITME), Zuba-Surma E. (Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Poland)

Synthesis, physicochemical properties and applications of selected inorganic and carbonic nanomaterials.

Abstract Book. s.56

156.

Kurowska Marta (ITME) (Faculty of Physics, University of Warsaw, Poland), Gajc Marcin (ITME), Orliński Krzysztof (ITME), Materna Andrzej (ITME), Wołoś A. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Pawlak Dorota (ITME)

Novel method manufacturing structures with topological insulators.

Abstract Book. s.111, bibliogr.

157.

Kurowska Marta (ITME), Surma Barbara (ITME), Osewski Paweł (ITME), Strzęp A. (Institute of Low Teperature and Structure Research, Poland), Ryba-Romanowski W. (Institute of Low Teperature and Structure Research, Poland), Pawlak Dorota (ITME)

Stimulated emission under continuous-wave laser excitation in material co-doped with quantum dots and silver nanoparticles.

Abstract Book. s.80, bibliogr.

158.

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

Synthesis and thermoelectric properties of (Pb,Sn)Te alloys.

Abstract Book. s.110, bibliogr.

159.

Kozłowski Paweł (ITME)

ZnGeP2 synthesis and growth.

Abstract Book. s.108

160.
Kołodziejak Katarzyna (ITME), Sar Jarosław (ITME), Wysmułek Konrad (ITME), Osewski Paweł (ITME), Bartsch M. (Department of Materials, ETH Zurich, Switzerland), Niederberger M. (Department of Materials, ETH Zurich, Switzerland), Pawlak Dorota (ITME)
Self-organized TiO_2-WO_3 eutectic composite as a photoanode for photoelectrochemical water splitting.
Abstract Book. 1 s.

161.
Gajc Marcin (ITME), Kłos Andrzej (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME)
Nanocomposite plasmonic materials with unusual optical properties manufactured by micro-pulling down method.
Abstract Book. s.30

162.
Antolik Aneta (ITME), Osewski Paweł (ITME), Pawlak Dorota (ITME)
The influence of doping with aluminium and gallium ions on the structural and optical properties of ZnO-ZnWO4 eutectic.
Abstract Book. s.70, bibliogr.

163.
Orliński Krzysztof (ITME), Pawlak Dorota (ITME)
A reliable image of the grain population - microstructural analysis in directionally solidified eutectics in practice.
Abstract. 1 s., bibliogr.

164.
12th Laser Ceramics Symposium, Saint-Louise, Francja, 2016.10.16-2016.10.21
Nakielska Magdalena (ITME), Podniesiński Dariusz (ITME), Sidorowicz Agata (ITME), Wajler Anna (ITME), Węglarz Helena (ITME), Malinowska Agnieszka (ITME), Wierzbicka Edyta (ITME), Wierzchowski Wojciech (ITME)
Comparison of YAG:Tm,Ho ceramics and single crystals as active materials for solid-state lasers operating in "eye-safe" range.
Abstract. 1 s., il.

165.
Sidorowicz Agata (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Woźniak J. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Romaniec Magdalena (ITME), Olszyna A. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland)
Transparent polycrystalline thulium and holmium co-doped yttrium oxide for lasers operating in the "eye-safe" range.
Abstract. 1 s., il., bibliogr.

166.
IEEE Sensors 2016, Orlando, USA, 2016.10.30-2016.11.02
Nowek Andrzej (ITME), Stankiewicz Rafał (ITME), Baran Magdalena (ITME), Zalewska Izabela (ITME), Brzozowski Ernest (ITME)
ZnO thin films for applications in surface acoustic wave actuators.
IEEE Sensors 2016. Proceedings Paper. 3 s., il., bibliogr.

167.

29th RD50 Workshop - CERN, Geneva, Switzerland, 2016.11.21-2016.11.23

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Surma Barbara (ITME), Kozubal Michał (ITME), Wodzyński Maciej (ITME), Dierlamm A. (Karlsruhe Institute of Technology, Germany), Hindrichsen C. (Topsil GlobalWafers, Denmark), Jensen J. (Topsil GlobalWafers, Denmark), Kwestarz M. (Topsil Semiconductors, Poland)

Defect centers in nitrogen-enriched high-resistivity n-type silicon induced by high-energy protons.

Report of Abstracts. 1 s.

168.

Workshop on Detector Technologies for High Energy Physics, Erfurt, Germany, 2016.11.27-2016.11.29

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Surma Barbara (ITME), Kozubal Michał (ITME), Wodzyński Maciej (ITME), Dierlamm A. (Karrlsruhe Institut Technology, Eggenstein-Leopoldshafen, Germany), Roeder R. (CiS Research Institute for Microsensor Systems GmBH, Erfurt, Germany), Lauder K. (CiS Research Institute for Microsensor Systems GmBH, Erfurt, Germany), Witting T. (CiS Research Institute for Microsensor Systems GmBH, Erfurt, Germany), Kwestarz M. (Topsil Semiconductors Sp. z o.o., Warszawa, Poland)

Bulk radiation of silicon detectors fabricated on high-resitivity N-free wafers.

Abstract. 1 s.