

INSTYTUT TECHNOLOGII MATERIAŁÓW ELEKTRONICZNYCH

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PRACOWNIKÓW NAUKOWYCH ITME
W 2010 ROKU**

Warszawa 2011

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Abstract Book. P48, s.123, bibliogr.

140.

Stefański Andrzej (ITME) (Institute of Microelectronics and Optoelectronics Warsaw University of Technology, Warszawa, Poland), Kafesaki M. (IESIL-FORTH, Crete, Greece; Department of Materials Science and Technology, University of Crete, Greece), Pawlak Dorota (ITME)

Electromagnetic properties of complex eutectic structures.

Abstract Book. P44, s.118-119, bibliogr.

141.

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Kłos Andrzej (ITME), Diduszko Ryszard (ITME), Surma Barbara (ITME), Nyga P. (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Pawlak Dorota (ITME)

Bi_2O_3 -Ag and CuO-Ag eutectics as self-organized metallodielectric materials.

Abstract Book. P39, s.112, bibliogr.

142.

Racka-Dzietko Katarzyna (ITME), Tymicki Emil (ITME), Graszka Krzysztof (ITME) (Institute of Physics, PAS, Warszawa, Poland), Surma Barbara (ITME), Diduszko Ryszard (ITME), Kozubal Michał (ITME), Jakiela Rafał (ITME) (Institute of Physics, PAS, Warszawa, Poland), Kościwicz Kinga (ITME) (Warsaw University of Technology Faculty of Materials Science and Engineering, Warszawa, Poland), Pawłowski Mariusz (ITME)

Cerium doping of SiC single crystals by PVT method - experimental analysis of structural, optical and electrical properties.

Abstract Book. P37, s.109-110, bibliogr.

143.
Orliński Krzysztof (ITME), Pawlak Dorota (ITME)
LiBO₂-NiO composites obtained by micrometer-pulling down method.
Abstract Book. P34, s.106, bibliogr.
144.
Mazur Krystyna (ITME), Sarnecki Jerzy (ITME), Wierzchowski Wojciech (ITME), Wieteska K. (Institute of Atomic Energy POLATOM, Otwock-Świerk, Poland), Turos Andrzej (ITME) (The Andrzej Sołtan Institute for Nuclear Studies, Otwock-Świerk, Poland)
X-ray investigation of Ni²⁺:GGG epitaxial layers.
Abstract Book. P29, s.101
145.
Łukasiewicz Tadeusz (ITME), Kłos Andrzej (ITME), Bajor Andrzej (ITME), Kisielewski Jarosław (ITME), Kaczmarek Barbara (ITME), Świrkowicz Marek (ITME)
Growth optimization of 2-inch single crystals of calcium gadolinium oxoborate (GdCOB) for optical applications.
Abstract Book. P18, s.86
146.
Lisiecki R. (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Solarz P. (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Ryba-Romanowski W. (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Dominiak-Dzik G. (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Strzep A. (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Łukasiewicz Tadeusz (ITME)
Spectroscopic characterization of LuVO₄:Er³⁺ laser crystals.
147.
Kołodziejak Katarzyna (ITME), Pawlak Dorota (ITME), Diduszko Ryszard (ITME), Kaczkan M. (Institute of Microelectronics and Optoelectronics Warsaw University of Technology, Poland)
Growth and microstructure of Yb₃Al₅O₁₂-Yb₄Al₂O₉:Er³⁺ binary eutectic crystals.
Abstract Book. P22, s.91, il.
148.
Kłos Andrzej (ITME), Gajc Marcin (ITME), Nikolayenko A.E. (Optoelectronics Research Centre University of Southampton, UK), Surma Barbara (ITME), Pawlak Dorota (ITME)
Growth and optical properties of dielectric materials doped with metallic nanoparticles.
Abstract Book. P21, s.90, bibliogr.
149.
Bieńkowski Krzysztof. (ITME) (University of Warsaw, The Faculty of Chemistry, Poland), Solarska R. (University of Warsaw, The Faculty of Chemistry, Poland), Diduszko Ryszard (ITME), Pawlak Dorota (ITME)
NiTiO₃-TiO₂ growth as fiber by micro-pulling down method.
Abstract Book. O01, s.46, il.

150.

Baranowski Jacek (ITME) (Institute of Experimental Physics University of Warsaw, Poland),
Strupiński Włodzimierz (ITME)

Epitaxial graphene: Growth and Perspectives.

Abstract Book. L16, s.42

151.

Bajor Andrzej (ITME), Kisielewski Jarosław (ITME), Kłos Andrzej (ITME), Kopczyński K.
(Institute of Optoelectronics, MUT, Warszawa, Poland), Łukasiewicz Tadeusz (ITME),
Mierczyk J. (Institute of Optoelectronics, MUT, Warszawa, Poland), Młyńczak J. (Institute of
Optoelectronics, MUT, Warszawa, Poland)

Assessment of gadolinium calcium oxoborate (GdCOB) for laser applications.

Abstract Book. O010, s.58-59, bibliogr.

15th International Conference on Metal Organic Vapor Phase Epitaxy, Lake Tahoe, USA, 2010.05.23-2010.05.28

152.

Wesołowski Marek (ITME), Strupiński Włodzimierz (ITME), Motyka M. (Wroclaw Institute
of Technology), Sęk Grzegorz (Wroclaw Institute of Technology), Dumiszewska Ewa
(ITME), Caban Piotr (ITME)

Study of MOCVD growth of InGaAsSb/AlGaAsSb/GaSb heterostructures using two
different aluminium precursors TMAI and DMEAAI.

Final Program. P1.16 s.42

153.

Caban Piotr (ITME), Strupiński Włodzimierz (ITME), Szmidt J. (Warsaw University of
Technology), Caliskan D. (Bilkent University), Kelekci O. (Bilkent University), Ozbay E.
(Bilkent University)

Effect of growth pressure on coalescence thickness and crystal quality of GaN
deposited on 4H-SiC.

Final Program. P1.1 s.39

IX Krajowa Konferencja Elektroniki, Darłówko Wschodnie, Polska, 2010.05.30- 2010.06.02

154.

Grasza Krzysztof (ITME) (Instytut Fizyki Polskiej Akademii Nauk, Warszawa, Poland),
Tymicki Emil (ITME), Racka-Dzietko Katarzyna (ITME), Kamiński Paweł (ITME), Kozubal
Michał (ITME), Pawłowski Mariusz (ITME), Surma Barbara (ITME), Diduszko Ryszard
(ITME), Jurkiewicz-Wegner Elżbieta (ITME), Piersa Mirosław (ITME), Brzozowski Andrzej
(ITME), Bajor Andrzej (ITME), Gładki Andrzej (ITME), Raczkiwicz Marcin (ITME),
Kisielewski Jarosław (ITME)

Opracowanie procesów technologicznych monokryształizacji podłoży z węgliku
krzemu.

Mater.Konf. 2 s.

155.

Hofman Władysław (ITME), Batijewski Roman (ITME), Gała Maciej (ITME), Sakowska Halina (ITME)

Badanie procesów fotochemicznego i elektrochemicznego trawienia polerowanych powierzchni 6H i 4H SiC.

156.

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

Wpływ dodatku nanorurek węglowych na właściwości bezołowiowych past lutowniczych typu SAC.

Mater.Konfer. 1 s.28

157.

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

Analiza defektowa warstw epitaksjalnych w zależności od charakterystyki zdefektowania podłoża.

158.

Strupiński Włodzimierz (ITME), Wesołowski Marek (ITME)

Technologia MOCVD heterostruktur laserów InGaAsSb/AlGaAsSb/GaSb.

Mater.Konfer. s.119

159.

Tymicki Emil (ITME), Grasza Krzysztof (ITME) (Instytut Fizyki Polskiej Akademii Nauk, Warszawa, Poland), Racka-Dzietko Katarzyna (ITME), Łukasiewicz Tadeusz (ITME), Gała Maciej (ITME), Kościewicz Kinga (ITME) (Wydział Inżynierii Materiałowej Politechniki Warszawskiej), Diduszko Ryszard (ITME), Bożek R. (Instytut Fizyki Doświadczalnej, Wydział Fizyki Uniwersytetu Warszawskiego)

Wzrost kryształów 4H- i 6H-SiC o średnicy dwa cale metodą transportu fizycznego z fazy gazowej.

Abstract. 1 s. bibliogr.

9th International Symposium on Systems with Fast Ionic Transport, Ryga, Łotwa, 2010.06.01-2010.06.05

160.

Michalska Monika (ITME), Aksienionek Magdalena (ITME) (Faculty of Physics, Warsaw University of Technology, Poland), Mirkowska Monika (ITME), Lipińska Ludwika (ITME), Wasiucionek M. (Faculty of Physics, Warsaw University of Technology, Poland), Diduszko Ryszard (ITME), Kopcewicz Michał (ITME)

Sol-gel synthesis of LiFePO₄ cathode materials and studies on their structure and selected physical properties.

Abstract. PO-49, 1 s., bibliogr. + plakat

161.

Michalska Monika (ITME), Lipińska Ludwika (ITME), Mirkowska Monika (ITME), Aksienionek Magdalena (ITME) (Warsaw University of Technology, Faculty of Physics, Warszawa, Poland), Diduszko Ryszard (ITME)

Sol-gel synthesis of nanocrystalline lithium -mangane spinel and their characterization.

Abstract. OR-24, 1 s., bibliogr.

162.

Aksienionek Magdalena (ITME) (Faculty of Physics, Warsaw University of Technology, Poland), Michalska Monika (ITME), Mirkowska Monika (ITME), Lipińska Ludwika (ITME), Wasiucionek M. (Faculty of Physics, Warsaw University of Technology, Poland), Diduszko Ryszard (ITME), Kopcewicz Michał (ITME)

Preparation of LiFePO₄ composites with carbon by a solid state reaction and studies on their structure and physical properties.

Abstract. PO-50, 1 s., bibliogr.

10th International School and Symposium on Synchrotron Radiation in Natural Science, Szklarska Poręba, Poland, 2010.06.06-2010.06.11

163.

Wójcik Marek (ITME), Gaca Jarosław (ITME), Turos Andrzej (ITME) (The Andrzej Sołtan Institute for Nuclear Studies, Świerk/Otwock, Poland), Caban Piotr (ITME), Strupiński Włodzimierz (ITME), Pałowska K. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk/Otwock, Poland)

HRXRD and RBS/channeling determination of the correlation between radiation damage and interplanar spacing GaN epilayers.

Abstract/Synchr.Radiat.Nat.Sc.Vol.9, no 1-2, 1 s., il., bibliogr

164.

Gaca Jarosław (ITME), Wójcik Marek (ITME), Bugajski M. (Institute of Elektron Technology. Warszawa, Poland), Kosiel K. (Institute of Elektron Technology. Warszawa, Poland)

The determination of the chemical composition profile of the GaAs/AlGaAs heterostructures designed for quantum cascade lasers by means of synchrotron radiation.

Abstract/Synchr.Radiat.Nat.Sc.Vol.9, no 1-2, 1 s., il., bibliogr

165.

Wierzchowski Wojciech (ITME), Wieteska K. (Institute of Atomic Energy, Świerk-Otwock, Poland), Klinger D. (Institute of Physics, PAS, Warszawa, Poland), Sobierajski R. (Institute of Physics, PAS, Warszawa, Poland), Pełka J. (Institute of Physics, PAS, Warszawa, Poland), Balcer Tomasz (ITME)

X-ray topographic investigation of the deformation field around spots irradiated by single pulses.

Abstract/Synchr.Radiat.Nat.Sc.Vol.9, no 1-2, 1 s., il., bibliogr.

166.

Mazur Krystyna (ITME), Sarnecki Jerzy (ITME), Wierzchowski Wojciech (ITME), Wieteska K. (Institute of Atomic Energy, Świerk-Otwock, Poland), Turos Andrzej (ITME) (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland)

X-ray topographic x-ray characterization of GGG homoepitaxial layers with introduced divalent ions of transition-metals.

Abstract/Synchr.Radiat.Nat.Sc.Vol.9, no 1-2, 1 s., bibliogr

VIII International Conference Ion Implanatation and Other Applications of Ions and Electrons, Kazimierz Dolny, Poland, 2010.06.14-2010.06.17

167.

Pagowska K. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Ratajczak R. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Stonert A. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Turos Andrzej (ITME) (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Nowicki L. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Muecklich A. (Forschungszentrum Dresden, Rossendorf, Dresden, Germany)

RBS-channeling and TEM study of damage buildup in ion bombarded III-N compounds.

Abstract. 1 s.

168.

Turos Andrzej (ITME) (The Andrzej Sołtan Institute of Nuclear Studies, Świerk-Otwock, Poland), Ratajczak R. (The Andrzej Sołtan Institute of Nuclear Studies, Świerk-Otwock, Poland), Pagowska K. (The Andrzej Sołtan Institute of Nuclear Studies, Świerk-Otwock, Poland), Nowicki L. (The Andrzej Sołtan Institute of Nuclear Studies, Świerk-Otwock, Poland), Stonert A. (The Andrzej Sołtan Institute of Nuclear Studies, Świerk-Otwock, Poland)

Stopping power and energy straggling of channeled He-ions in GaN.

Abstracts.Tu-10, s.35

169.

Pagowska K. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Ratajczak R. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Stonert A. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Turos Andrzej (ITME), Nowicki L. (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Muecklich A. (Forschungszentrum Dresden-Rossendorf, Dresden, Germany)

RBS and TEM study of damage buildup in ion bombarded III-N compounds.

Abstracts. We-1, s.41

170.

Abd El Hady M.M. (Conservation Department, Faculty of Archaeology, Cairo University, Egypt), Turos Andrzej (ITME) (The Andrzej Sołtan Institutr for Nuclear Studies, Warszawa, Poland), Kotb H.S. (The Andrzej Sołtan Institutr for Nuclear Studies, Warszawa, Poland; Conversation Department, Faculty of Archeology, Fayoum University, Egypt), Stonert A. (The Andrzej Sołtan Institutr for Nuclear Studies, Warszawa, Poland), Munnik F. (Forschungszentrum Dresden, Germany)

Characteristics of ancient Egyptian glazed ceramic objects as revealed by ion beam analysis.

Abstracts. P-Tu-2, s.66, bibliogr.

171.

Ratajczak R. (The Andrzej Sołtan of Nuclear Studies, Świerk-Otwock, Poland), Turos Andrzej (ITME) (The Andrzej Sołtan of Nuclear Studies, Świerk-Otwock, Poland), Stonert A. (The Andrzej Sołtan of Nuclear Studies, Świerk-Otwock, Poland), Nowicki L. (The Andrzej Sołtan of Nuclear Studies, Świerk-Otwock, Poland)

Defect transformations in ion bombarded InGaAsP.

Abstracts. We-3P, s.51

172.

Jagielski Jacek (ITME) (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Piątkowska Anna (ITME), Aubert P. (Institut d'Electronique Fondamentale, Universite Paris-Sud, Orsay, France), Labdi S. (Universite d'Evry-Val d'Essonne, Evry, France), Maciejak O. (Universite d'Evry-Val d'Essonne, Evry, France), Thome L. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse CNRS-IN2P3, Universite Paris-Sud, Orsay, France), Jóźwik Iwona (ITME), Debelle A. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse CNRS-IN2P3, Universite Paris-Sud, Orsay, France), Wajler Anna (ITME), Boniecki Marek (ITME)

Effect of grain size on mechanical properties of irradiated mono- and polycrystalline $MgAl_2O_4$.

Abstracts.Tu-7 (invited), s.32

173.

Gawlik Grzegorz (ITME), Sarnecki Jerzy (ITME), Jóźwik Iwona (ITME), Jagielski Jacek (ITME), Pawłowska Marta (ITME)

Ion and electron beam induced luminescence of rare earth doped YAG crystals.

Abstracts. Tu-12, s.37

174.

Thome L. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, Universite Paris-Sud, Orsay, France), Jagielski Jacek (ITME) (The Andrzej Sołtan Institute for Nuclear Studies, Świerk-Otwock, Poland), Debelle A. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, Universite Paris-Sud, Orsay, France), Garrido F. (Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse, Universite Paris-Sud, Orsay, France), Sattonnay G. (LEMHE-ICCMO-Universite Prais-Sud, Orsay, France)

On the damage build-up in ion-irradiated ceramics.

Abstracts.Tu-6 (invited), s.31

175.

Misiuk A. (Institute of Electron Technology, Warszawa, Poland), Bąk-Misiuk J. (Institute of Physics, PAS, Warszawa, Poland), Barcz A. (Institute of Electron Technology, Warszawa, Poland; Institute of Physics, PAS, Warszawa, Poland), Chow L. (University of Central Florida, Orlando, FL, USA), Surma Barbara (ITME)

Properties of Si: V annealed under enhanced hydrostatic pressure.

Abstracts.Tu-3 (invited), s.28. bibliogr.

176.

Mona Ali (Cairo University, Faculty of Archaeology, Conservation Dept., Egypt), Shaaban A. (Fayoum University, Faculty of Archaeology, Conservation Dept., Egypt), Mahgoub G. (Fayoum University, Faculty of Archaeology, Conservation Dept., Egypt), Sihame A. (National Research Center, Dokki, Cairo, Egypt), Turos Andrzej (ITME) (The Andrzej Sołtan Institute of Nuclear Studies, Świerk-Otwock, Poland), Korman A. (The Andrzej Sołtan Institute of Nuclear Studies, Świerk-Otwock, Poland), Stonert A. (The Andrzej Sołtan Institute of Nuclear Studies, Świerk-Otwock, Poland)

The use of PIXE in evaluation of Coptic Wall Paintings conservation (Case Study).
Abstracts. Mo-5, s.22, il., bibliogr.

177.

Jóźwik Iwona (ITME), Jagielski Jacek (ITME), Runka T. (Faculty of Technical Physics, Poznań University of Technology, Poland), Dobrzański Lech (ITME), Zagojski Andrzej (ITME)

Thermal annealing of carbon layers formed via ion-beam induced hydrocarbons decomposition.

Abstracts. Mo-8, s.26

178.

Wierzchowski Wojciech (ITME), Wieteska K. (Institute of Atomic Energy POLATOM, Otwock-Świerk, Poland), Mączka D. (Institute of Atomic Energy POLATOM, Otwock-Świerk, Poland), Turek M. (Maria Curie-Skłodowska University, Lublin, Poland), Pysznik K. (Maria Curie-Skłodowska University, Lublin, Poland)

X-ray diffraction studies of strain distribution in 6H SiC repeatedly implanted with Al ions.

Abstracts. Tu-11 (invited), s.36

XXXIX International School and Conference on the Physics and Semiconductors "Jaszowiec", Krynica-Zdrój, Poland, 2010.06.19-2010.06.24

179.

Korona K.P. (Institute of Experimental Physics, University of Warsaw, Poland), Papierska J. (Institute of Experimental Physics, University of Warsaw, Poland), Kamińska M. (Institute of Experimental Physics, University of Warsaw, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME)

Temperature dependence of phonon modes in LiMn_2O_4 and LiMnPO_4 .
Abstract. 1 s. + plakat

XI Konferencja Naukowa Czujniki Optoelektroniczne i Elektroniczne, Nałęczów, Polska, 2010.06.20-2010.06.23

180.

Kujawa Ireneusz (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (UW, Warszawa), Filipkowski Adam (ITME), Stępień Ryszard (ITME)

Dwójłomny światłowód o eliptycznych elementach sieci płaszczka fotonicznego.
Abstract. 1 s., il., bibliogr.

IV Krajowa Konferencja Nanotechnologii, Poznań, Polska, 2010.06.21-2010.07.02

181.

Michalska Monika (ITME), Lipińska Ludwika (ITME), Diduszko Ryszard (ITME), Mirkowska Monika (ITME), Sikora A. (Instytut Elektrotechniki, Oddział Technologii i Materiałoznawstwa Elektrotechnicznego, Wrocław), Korona K.P. (Instytut Fizyki Doświadczalnej, Wydział Fizyki, UW, Warszawa)

Badania strukturalne (XRD, SEM, DSC, AFM, TEM, Raman) materiałów katodowych do jonowych baterii litowych.

Abstrakt. 1 s., bibliogr.

182.

Lipińska Ludwika (ITME), Michalska Monika (ITME), Socha Magdalena (ITME), Ryszard Diduszko (ITME), Mirkowska Monika (ITME), Sarnecki Jerzy (ITME), Nakielska Magdalena (ITME), (Jeremiasz O.) (ABRAXAS, Wodzisław Śląski)

Zastosowanie nanokrystalicznych proszków w fotonice i urządzeniach magazynujących energię.

Abstrakt. 1 s., bibliogr.

183.

Michalska Monika (ITME), Lipińska Ludwika (ITME), Diduszko Ryszard (ITME), Mirkowska Monika (ITME)

Chemiczne metody otrzymywania nanokrystalicznego spinelu litowo-manganowego (LiMn_2O_4).

Abstrakt. 1 s., bibliogr.

184.

Socha Magdalena (ITME), Lipińska Ludwika (ITME), Sarnecki Jerzy (ITME), Nakielska Magdalena (ITME), Jeremiasz O. (ABRAXAS, Wodzisław Śląski, Polska)

Luminescencyjne nanokryształy do wytwarzania kompozytów optycznych stosowanych w fotonice.

Abstrakt. 1 s., bibliogr.

185.

Teklińska Dominika (ITME) (Warsaw University of Technology, Faculty of Materials Science, Warszawa, Poland), Kościwicz Kinga (ITME) (Warsaw University of Technology, Faculty of Materials Science, Warszawa, Poland), Grodecki Kacper (ITME) (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland), Strupiński Włodzimierz (ITME), Olszyna A. (Warsaw University of Technology, Faculty of Materials Science, Warszawa, Poland), Tokarczyk M. (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland), Kowalski G. (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland), Baranowski Jacek (ITME) (Institute of Experimental Physics, Faculty of Physics University of Warsaw, Poland)

Epitaksjalny grafen na podłożach SiC.

International Conferences: 5th Wide Bandgap Materials - Progress in Synthesis and Applications and 7th Diamond & Related Films Jointly with 2nd International Workshop on Science and Applications of Na, Zakopane, Poland, 2010.06.28-2010.07.02

186.

Jagoda Andrzej (ITME), Stańczyk Beata (ITME), Dobrzański Lech (ITME), Caban Piotr (ITME)

SiCN film deposited by RF magnetron sputtering.

187.

Stańczyk Beata (ITME), Jagoda Andrzej (ITME), Dobrzański Lech (ITME), Caban Piotr (ITME)

The influence of deposition parameters on SiCN layers obtained by RF sputtering.

188.

Kościewicz Kinga (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warszawa, Poland), Strupiński Włodzimierz (ITME), Mazur Krystyna (ITME), Borysiuk Jolanta (ITME), Olszyna A. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warszawa, Poland)

Polytypism stability in SiC epilayers grown on Si-face (0001) and C-face (000-1) on -axis 4H-SiC.

Ogólnopolskie Seminarium Spektroskopii Mössbauerowskiej, Warszawa, Polska, 2010.06.18-2010.06.21

189.

Grabias Agnieszka (ITME), Latuch J. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Oleszak D. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Kopcewicz Michał (ITME)

Structural characterization of rapidly quenched FeCoPtB alloys.

Abstract. 1 s., bibliogr.

The third International Symposium on Growth of III Nitrides, Montpellier, France, 2010.07.05-2010.07.07

190.

Jakieła Rafał (ITME) (Institute of Physics, PAS, Warszawa, Poland), Dumiszewska Ewa (ITME), Caban Piotr (ITME), Turowski Andrzej (ITME), Barcz A. (Institute of Physics, PAS, Warszawa, Poland; Institute of Electron Technology, Warszawa, Poland)

Oxygen diffusion into GaN from oxygen implanted GaN or Al₂O₃.

4th International Conference on Advanced Computational Engineering and Experimenting, Paris, France, 2010.07.08-2010.07.09

191.

Boniecki Marek (ITME), Librant Zdzisław (ITME), Sadowski T., Wesołowski Władysław (ITME)

The thermal shock resistance and mechanical properties at elevated temperature of transparent ceramics.

Conference on Metamaterials: Fundamentals and Applications II as a part of NanoScience Engineering at the Optics&Photonics Symposium, San Diego, USA, 2010.08.01-2010.08.05

192.

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

Bulk metallodielectric composites made of silver nanoparticles in a dielectric matrix: fabrication and characterization.

193.

Pawlak Dorota (ITME), Bieńkowski Krzysztof (ITME), Gajc Marcin (ITME), Kłos Andrzej (ITME), Kołodziejak Katarzyna (ITME), Orliński Krzysztof (ITME), Sadecka Katarzyna (ITME)

How far are we from making metamaterials by self-organization?.

The 6th International Conference on Rare Earth Development and Application, Pekin, Chiny, 2010.08.02-2010.08.06

194.

Szysiak Agnieszka (ITME), Stępień Ryszard (ITME), Ryba-Romanowski W. (Institute of Low Temperature and Structure Research, Polish Academy Science, Wrocław, Poland)

Nanocomposites of glass-nanocrystalline YAG:Nd for optical applications.

21st International Conference on the Application of Accelerators in Research and Industry, Fort Worth, USA, 2010.08.08-2010.08.13

195.

Jagielski Jacek

Hydrogen loss from elastomers subjected to ion irradiation.

The 16th International Conference on Crystal Growth in Conjunction with the 14th International Conference on Vapor Growth and Epitaxy, Beijing, China, 2010.08.08-2010.08.13

196.

Pawlak Dorota (ITME), Bieńkowski Krzysztof (ITME), Gajc Marcin (ITME), Kłos Andrzej (ITME), Kołodziejak Katarzyna (ITME), Osewski Paweł (ITME), Sadecka Katarzyna (ITME), Turczyński Sebastian (ITME)

Self-organized directionally solidified micro- and nanostructures for photonic crystals and metamaterials.

Abstracts. 1 s., bibliogr.

Gordon Research Conference on Ceramics, Solid State Studies In, New London, USA, 2010.08.15-2010.08.20

197.

Bieńkowski Krzysztof (ITME), Solarska Renata (ITME) (Uniwersytet Warszawski, Wydział Chemii), Pawlak Dorota (ITME)

New photo-anodic materials for photo-electrochemical cells.

International Symposium on Electromagnetic Theory EMTS 2010, Berlin, Germany, 2010.08.16-2010.08.19

198.

Stefański Andrzej (ITME) (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Kafesaki M. (IESL-FORTH, Crete, Greece), Pawlak Dorota (ITME)

Electromagnetic properties of complex eutectic structures.

Abstract. 1 s. bibliogr.

Photon10, Southampton, United Kingdom, 2010.08.23-2010.08.26

199.

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

Design and fabricated of large diameter nanostructured microlenses.

4th EPS-QEOD Europhoton Conference, Hamburg, Germany, 2010.08.25-2010.09.03

200.

Sulc J. (FNSPE, Czech Technical University in Prague, Czech Republic), Jelinkova H. (FNSPE, Czech Technical University in Prague, Czech Republic), Ryba-Romanowski W. (Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław, Poland), Łukasiewicz Tadeusz (ITME)

Diode pumped Er:GdVO₄ eye-safe laser.

8th European Conference on Silicon Carbide and Related Materials, Oslo, Norway, 2010.08.29-2010.09.02

201.

Grasza Krzysztof (ITME) (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Tymicki Emil (ITME), Racka-Dzietko Katarzyna (ITME), Orzyłowski M. (Tele-and Radiotechnical Institute, Warszawa, Poland)

Experimental verification of a novel system for the growth of SiC single crystals.

Technical Program. 1 s., il., bibliogr.

202.

Kościewicz Kinga (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Strupiński Włodzimierz (ITME), Teklińska Dominika (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland), Mazur Krystyna (ITME), Olszyna A. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Poland)

Epitaxial growth on 4H-SiC on axis, 0.5°, 1.25°, 2°, 4°, 8° off-axis substrates - defects analysis and reduction.

Microwave Materials and Applications, Warszawa, Poland, 2010.09.01-2010.09.03

203.

Stefański Andrzej (ITME), Kafesaki M. (IESL-FORTH, Crete, Greece; Department of Materials Science and Technology, University of Crete, Greece), Pawlak Dorota (ITME)

Analysis of complex metamaterial structures made from eutectics.

Workshop 2010 on Constitutive Modeling in Applications for Industrial Processes, Kraków, Poland, 2010.09.01-2010.09.03

204.

Rojek J. (Institute of Fundamental Technological Research, Warszawa, Poland), Pietrzak Katarzyna (ITME) (Institute of Fundamental Technological Research, Warszawa, Poland), Chmielewski Marcin (ITME), Kaliński Dariusz (ITME)

Constitutive modeling of sintering processes using the discrete element method.

Abstract. 2 s. il., bibliogr.

Excited States of Transition Elements, Wrocław-Piechowice, Poland, 2010.09.04-2010.09.09

205.

Nakielska Magdalena (ITME), Kozłowska Anna (ITME), Sarnecki Jerzy (ITME), Lipińska Ludwika (ITME), Jeremiasz O. (ABRAXAS, Wodzisław Śląski, Poland), Podnieśński Dariusz (ITME) (Institute of Optoelectronics, MUT, Warszawa, Poland), Małag Andrzej (ITME)

Fluorescent properties of co-doped nanopowders for luminescent solar concentrations.

VI Międzynarodowa Konferencja Polska Ceramika 2010, Kraków, Polska, 2010.09.05-2010.09.08

206.

Zych Ł. (Akademia Górniczo-Hutnicza, Wydział Inżynierii Materiałowej i Ceramiki, Katedra Ceramiki Specjalnej, Kraków), Wajler Anna (ITME), Lach R. (Akademia Górniczo-Hutnicza, Wydział Inżynierii Materiałowej i Ceramiki, Katedra Ceramiki Specjalnej, Kraków), Zarzecka-Napierała M. (Akademia Górniczo-Hutnicza, Wydział Inżynierii Materiałowej i Ceramiki, Katedra Ceramiki Specjalnej, Kraków)

Formowanie z zawiesin drobnych proszków spinelu glinowo-magnezowego ($MgAl_2O_4$).

17th Slovak-Czech-Polish Optical Conference Wave and Quantum Aspects of Contemporary Optics, Liptovsky Jan, Słowacja, 2010.09.06-2010.09.10

207.

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Pysz Dariusz (ITME), Kasztelan R. (Faculty of Physics, University of Warsaw, Poland), Filipkowski Adam (ITME), Kujawa Ireneusz (ITME), Stępień Ryszard (ITME)

All-solid-contrast microstructured fiber for supercontinuum generation.

Abstract. 1 s.

208.

Kujawa Ireneusz (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Martynkien T. (Institute of Physics, Wrocław University of Technology, Poland), Pysz Dariusz (ITME), Filipkowski Adam (ITME), Stępień Ryszard (ITME)

Birefringence of photonic crystal fiber induced by elliptical holes.

Abstract. 1 s.

209.

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Pysz Dariusz (ITME), Filipkowski Adam (ITME), Kujawa Ireneusz (ITME), Stępień Ryszard (ITME)

Dispersion properties of photonic crystal fibers with nanostructured core.

Abstract. 1 s.

210.

Mrazkova Z. (Department of Physics, Technical University of Ostrava, Czech Republic), Hrabovsky D. (Department of Physics, Technical University of Ostrava, Czech Republic), Postava K. (Department of Physics, Technical University of Ostrava, Czech Republic), Pistora J. (Department of Physics, Technical University of Ostrava, Czech Republic), Pawlak Dorota (ITME), Turczyński Sebastian (ITME), Kołodziejek Katarzyna (ITME)

Far-infrared spectroscopy of terbium-scandium-aluminium garnet and terbium-scandium perovskite.

Proc.SPIE. Vol 7746, 3 s., il., bibliogr.

211.

Filipkowski Adam (ITME), Van Caloen G. (Dep. of Applied Physics and Photonics, Vrije Univeriteit Brussel, Belgium), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Kujawa Ireneusz (ITME), Pysz Dariusz (ITME), Vermeulen N. (Dep. of Applied Physics and Photonics, Vrije Universiteit Brussel, Belgium), Thienpont H. (Dep. of Applied and Photonics, Vrije Universiteit Brussel, Belgium), Stępień Ryszard (ITME)

High-contrast all-glass volumetric photonic crystal.

Proc. of SPIE vol.7746 s.1-7, il., bibliogr.

212.

Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Pysz Dariusz (ITME), Kujawa Ireneusz (ITME), Filipkowski Adam (ITME)

Nonlinear soft oxide glasses for microstructured optical fibers development.

Proc. of SPIE vol.7746, s.1-8, il., bibliogr.

213.

Pysz Dariusz (ITME), Filipkowski Adam (ITME), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Kujawa Ireneusz (ITME), Ertman S. (Warsaw University of Technology, Poland)

Single mode PCF made of soft glass.

Proc. of SPIE vol.7746, s.1-5, il., bibliogr.

214.

Koys M. (Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia), Bugar I. (Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius

University, Bratislava, Slovakia; International Laser Centre, Bratislava, Slovakia), Buczyński R. (Information Optics Group, Faculty of Physics, Warsaw University, Poland), Pysz Dariusz (ITME), Michalka M. (International Laser Centre, Bratislava, Slovakia), Uherek F. (International Laser Centre, Bratislava, Slovakia)

Supercontinuum generation in dual core photonic crystal fibre.
Proc.SPIE 7746, 4 s., il., bibliogr.

25th European Photovoltaic Solar Energy Conference and Exhibition&5th World Conference on Photovoltaic Energy Conversion, Valencia, Spain, 2010.09.06-2010.09.10

215.

Sarnecki Jerzy (ITME), Gawlik Grzegorz (ITME), Teodorczyk Marian (ITME), Kozłowski Roman (ITME), Jeremiasz O. (ABRAXAS, Wodzisław Śląski, Poland), Krzyżak Konrad (ITME), Skwarcz Jerzy (ITME), Lipiński Dariusz (ITME)

Influence of technological operation on PV paramaters of edge-illuminated epitaxial silicon solar cells.

Proc. of 25th European... s.3630-3632, il., bibliogr.

216.

Jeremiasz O. (ABRAXAS, Wodzisław Śląski, Poland), Socha Magdalena (ITME), Nikiel W. (ABRAXAS, Wodzisław Śląski, Poland), Lipińska Ludwika (ITME), Sarnecki Jerzy (ITME), Nakielska Magdalena (ITME), Gawlik Grzegorz (ITME), Teodorczyk Marian (ITME), Wnuk Artur (ITME)

Nanocrystals doped polymer material for luminescent solar concentrator for absorption of visible and NIR part of solar spectrum and emission within SI absorption range.

Proc. of 25th European...s.587-590, il., bibliogr.

217.

Lipińska Ludwika (ITME), Baran Magdalena (ITME), Sarnecki Jerzy (ITME), Nakielska Magdalena (ITME), Kozłowska Anna (ITME), Diduszko Ryszard (ITME)

Nanocrystals of oxides $Y_3Al_5O_{12}$ (YAG), $Gd_3Ga_5O_{12}$ (GGG) and Y_2O_3 (YO) prepared via sol-gel method for luminescent solar concentrators.

Proc. of 25th European... s.599-602, il., bibliogr

37th Solid Mechanics Conference, Warszawa, Poland, 2010.09.06-2010.09.10

218.

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

Discrete element simulation of powder sintering.

Mater.Konf., 9 s., il., bibliogr.

Światowy Zjazd Inżynierów Polskich, Warszawa, Polska, 2010.09.08-2010.09.10

219.

Małag Andrzej (ITME), Strupiński Włodzimierz (ITME), Kozłowska Anna (ITME), Dobrzański Lech (ITME)

Materiały i przyrządy optoelektroniczne w ITME.

E-MRS 2010 Fall Meeting 2010, Warszawa, Poland, 2010.09.13-2010.09.17

220.

Andrzejczuk M. (Warsaw University of Technology, WIM, Warszawa, Poland), Michalska Monika (ITME), Diduszko Ryszard (ITME), Lipińska Ludwika (ITME), Lewandowska M. (Warsaw University of Technology, WIM, Warszawa, Poland), Kurzydłowski K. (Warsaw University of Technology, WIM, Warszawa, Poland)

Structural investigations (XRD, SEM, HRSEM, TEM) of nanocrystalline lithium manganese spinels for lithium ion batteries.

Abstract. 1 s. + plakat

221.

Korona K.P. (Institute of Experimental Physics, University of Warsaw, Poland), Papierska J. (Institute of Experimental Physics, University of Warsaw, Poland), Kamińska M. (Institute of Experimental Physics, University of Warsaw, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME)

Raman measurements of temperature dependencies of lithium salts.

Abstract. 1 s. + plakat

222.

Michalska Monika (ITME), Lipińska Ludwika (ITME), Mazurkiewicz M. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland), Małolepszy A. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland), Stobiński L. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland; Polish Academy of Sciences, Institute of Physical Chemistry, Warszawa, Poland), Kurzydłowski K. (Warsaw University of Technology, Faculty of Materials Science and Engineering, Warszawa, Poland)

Chemical synthesis of nanocrystalline lithium manganese oxide spinel.

Abstract. 1 s. + plakat

223.

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

Advances in materials 'ENSAMBLE'.

Fourth International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, Karlsruhe, Germany, 2010.09.13-2010.09.18

224.

Pawlak Dorota (ITME), Gajc Marcin (ITME), Kłos Andrzej (ITME), Kołodziejak Katarzyna (ITME), Sadecka Katarzyna (ITME), Turczyński Sebastian (ITME), Nikolaenko A. (Optoelectronics Research Centre&Centre for Nanostructured Photonic Metamaterials, University of Southampton, UK), Zheludev N. (Optoelectronics Research Centre&Centre for Nanostructured Photonic Metamaterials, University of Southampton, UK)

Nano- and micro-structures metamaterial composites: the directional solidification approach.

Sesja Nanotechnologia - PL (wydarzenie towarzyszące konferencji E-MRS 2010 Fall Meeting 2010), Warszawa, Poland, 2010.09.14

225.

Michalska Monika. (ITME), Mączka A. (Fundacja NANONET, Wrocław, Poland)

Prezentacja Fundacji NANONET.

Abstract. 1 s.

Conference on High Resolution X-Ray Diffraction and Topography, Warwick, Wielka Brytania, 2010.09.20-2010.09.23

226.

Wierzchowski Wojciech (ITME), Balcer Tomasz (ITME), Wieteska K. (Institute of Atomic Energy POLATOM, Otwock-Świerk, Poland)

Investigation of experimental and numerically simulated Bragg-case topographic images of rod-like inclusions and dislocations.

10th Conference Electron Technology ELTE 2010 and 34th International Microelectronics and Packaging IMAPS-CPMT Poland Conference, Wrocław, Poland, 2010.09.22-2010.09.25

227.

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

Investigation of strain induced in laser diodes during mounting on diamond and composite CuC heat-spreaders (on Cu heatsinks) with In or AuSn solders.

Book of abstracts. 71 s.

228.

Węgrzecki M. (Institute of Electron Technology, Warszawa, Poland), Wieluński M. (Institute of Radiation Protection, Helmholtz Zentrum Munchen, German Research Centre for Environmental Health GmbH, Neuherberg, Germany), Sarnecki Jerzy (ITME), Bar J. (Institute of Electron Technology, Warszawa, Poland), Budzyński T. (Institute of Electron Technology, Warszawa, Poland), Cież M. (Institute of Electron Technology, Warszawa, Poland), Grabiec P. (Institute of Electron Technology, Warszawa, Poland), Grodecki R. (Institute of Electron Technology, Warszawa, Poland), Kulawik J. (Institute of Electron Technology, Warszawa, Poland), Lipiński Dariusz (ITME), Panas A. (Institute of Electron Technology, Warszawa, Poland), Ruhm W. (Institute of Radiation Protection, Helmholtz Zentrum Munchen, German Research Centre for Environmental Health GmbH, Neuherberg, Germany), Słysz W. (Institute of Electron Technology, Warszawa, Poland), Wahl W. (Official Personal Monitoring Service AWST, Helmholtz Zentrum Munchen, German Research Centre for Environmental Health GmbH, Neuherberg, Germany), Węgrzecka I. (Institute of Electron Technology, Warszawa, Poland), Witek K. (Institute of Electron Technology, Warszawa, Poland), Zaborowski M. (Institute of Electron Technology, Warszawa, Poland)

Sensors for neutron dosimeter.

Book of Abstracts. s.53, bibliogr.

229.

Caban Piotr (ITME) (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Strupiński Włodzimierz (ITME), Szmidt J. (Institute of

Microelectronics and Optoelectronics, Warsaw University of Technology, Poland), Caliskan D. (Nanotechnology Research center, Bilkent University, Ankara, Turkey), Kelekci O. (Nanotechnology Research center, Bilkent University, Ankara, Turkey), Ozbay E. (Nanotechnology Research center, Bilkent University, Ankara, Turkey)

AlGaN/AlN/GaN based HEMTs with large drain current densities and high breakdown voltages grown on 4H-SiC by MOVPE.

Book of abstracts. s.133, bibliogr.

230.

Skibiński M. (Technical University of Łódź, Department of Semiconductor and Optoelectronic Devices, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Mechatronic Faculty, Warszawa, Poland), Znajdek K. (Technical University of Łódź, Department of Semiconductor and Optoelectronic Devices, Poland), Słoma M. (Warsaw University of Technology, Mechatronic Faculty, Warszawa, Poland), Guzowski B. (Technical University of Łódź, Department of Semiconductor and Optoelectronic Devices, Poland)

Carbon nanotube transparent conductive layers for solar cells applications.

Book of abstracts. s.81, bibliogr.

231.

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

Effect of step bunching on substrates with different orientation after in-situ etching.

Book of abstracts. s.128, bibliogr.

232.

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

Epitaxial graphene growth on SiC substrates.

Book of abstracts. s.125, bibliogr.

233.

Stadler A. (Department of Electronics Fundamentals, Rzeszów University of Technology, Poland), Zawisłak Z. (Department of Electronics Fundamentals, Rzeszów University of Technology, Poland), Kołek A. (Department of Electronics Fundamentals, Rzeszów University of Technology, Poland), Kielbasiński Konrad (ITME) (Warsaw University of Technology, Institute Of Microelectronics and Optoelectronics, Warszawa, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Institute Of Microelectronics and Optoelectronics, Warszawa, Poland)

Further improvement of Pb/Cd-free CaRuO₃ thick-films resistors.

Book of abstracts. s.225, bibliogr.

234.

Dumiszewska Ewa (ITME), Strupiński Włodzimierz (ITME), Wesółowski Marek (ITME), Knypś P. (Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, Poland)

III-V solar cells grown by MOVPE.

Book of Abstracts. s.72, bibliogr.

235.

Kiełbasiński Konrad (ITME) (Warsaw University of Technology, Institute of Microelectronics and Optoelectronics, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Poland), Młóżniak Anna (ITME)

Lead free material system for chip resistors.

Book of abstracts. s.204, bibliogr.

236.

Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Poland), Jarosz Mateusz (ITME) (Warsaw University of Technology, Faculty of Mechatronics, Warszawa, Poland), Kiełbasiński Konrad (ITME), Młóżniak Anna (ITME)

New generation conductive thick film pastes based on silver nanopowders for high power and high temperature applications.

Book of abstracts. s.180, bibliogr.

237.

Sochacki M. (Warsaw University of Technology, Faculty of Electronics and Information Technology, Warszawa, Poland), Kisiel R. (Warsaw University of Technology, Faculty of Electronics and Information Technology, Warszawa, Poland), Chmielewski Marcin (ITME), Strojny Agata (ITME), Tymicki Emil (ITME)

Processing and thermal properties of SiC-Die-Attachment on AlN substrates.

Book of abstracts. s.160, bibliogr.

238.

Pochrybniak C. (Institute of Atomic Energy), Milczarek J.J. (Institute of Atomic Energy), Wieteska K. (Institute of Atomic Energy), Wierzchowski Wojciech (ITME), Graeff W. (HASYLAB at DESY, Hamburg, Germany)

Properties of silicon doped by nuclear transmutation method.

Book of abstracts. s.79, bibliogr.

239.

Markowski P. (Wrocław University of Technology, Faculty of Microsystem Electronics and Photonics, Wrocław, Poland), Jakubowska Małgorzata (ITME) (Warsaw University of Technology, Mechatronic Faculty, Poland), Zwierkowska Elżbieta (ITME), Danielkiewicz M. (Warsaw University of Technology, Mechatronic Faculty, Poland), Wolter K.J. (Technische Universität Dresden, Electronic Packaging Laboratory, Germany), Luniac M. (Technische Universität Dresden, Electronic Packaging Laboratory, Germany)

Properties of thick-film photoimageable inks for LTCC substrates.

Book of abstracts. 212

240.

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

Single-emitter high-power laser diodes for 6xx and 8xx nm bands: design and performance issues for symmetric and asymmetric heterostructure solutions.

Book of abstracts. s.77, bibliogr.

241.

Kozłowska Anna (ITME), Nakielska Magdalena (ITME), Sarnecki Jerzy (ITME), Lipińska Ludwika (ITME), Jeremiasz O. (ABRAXAS, Wodzisław Śląski, Poland), Podniewski Dariusz (ITME) (Institute of Optoelectronics, Military University of Technology, Warszawa, Poland), Maląg Andrzej (ITME)

Spectroscopic investigations of rare-earth materials for luminescent solar concentrators.

Book of Abstracts. s.75, bibliogr.

242.

Węgrzecki M. (Institute of Electron Technology, Warszawa, Poland), Wieluński M. (Institute of Radiation Protection, Helmholtz Zentrum Munchen, German Research Centre for Environmental Health GmbH, Neuherberg, Germany), Sarnecki Jerzy (ITME), Bar T. (Institute of Electron Technology, Warszawa, Poland), Budzyński T. (Institute of Electron Technology, Warszawa, Poland), Cież M. (Institute of Electron Technology, Warszawa, Poland), Grabiec P. (Institute of Electron Technology, Warszawa, Poland), Grodecki R. (Institute of Electron Technology, Warszawa, Poland), Groger B. (Institute of Electron Technology, Warszawa, Poland), Gruber E. (Institute of Radiation Protection, Helmholtz Zentrum Munchen, German Research Centre for Environmental Health GmbH, Neuherberg, Germany), Haider B. (Institute of Radiation Protection, Helmholtz Zentrum Munchen, German Research Centre for Environmental Health GmbH, Neuherberg, Germany), Kurinda F. (Institute of Radiation Protection, Helmholtz Zentrum Munchen, German Research Centre for Environmental Health GmbH, Neuherberg, Germany), Kulawik J. (Institute of Electron Technology, Warszawa, Poland), Lipiński Dariusz (ITME), Panas A. (Institute of Electron Technology, Warszawa, Poland), Ruhm W. (Institute of Radiation Protection, Helmholtz Zentrum Munchen, German Research Centre for Environmental Health GmbH, Neuherberg, Germany), Słysz W. (Institute of Electron Technology, Warszawa, Poland), Węgrzecka I. (Institute of Electron Technology, Warszawa, Poland), Zaborowski M. (Institute of Electron Technology, Warszawa, Poland)

The detector of alpha particles for radon exposimeter.

Book of abstracts. s.51

The Fifty-Sixth IEEE Holm Conference on Electrical Contacts, Charleston, USA, 2010.10.04-2010.10.07

243.

Borkowski P. (Department of Electrical Apparatus, Technical University of Lodz, Łódź, Poland), Wójcik-Grzybek Danuta (ITME), Frydman Krystyna (ITME), Zasada D. (Military University of Technology, Warszawa, Poland)

Electrical properties of Ag-C contact materials containing different allotropes of carbon.

Proceedings of The Fifty-Sixth IEEE...P.5, s.167-175, il., bibliogr

The PM2010 Powder Metallurgy World Congress&Exhibition, Florencja, Włochy, 2010.10.10-2010.10.14

244.

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

Microstructure and mechanical properties of hot-pressed NiAl/Al₂O₃ and NiAl/ZrO

composites.
Abstract. 1 s.

245.

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

Tribological properties of sintered chromium-alumina composite materials.
Abstracts. 1 s.

246.

Pietrzak Katarzyna (ITME), Jach Katarzyna (ITME), Chmielewski Marcin (ITME)

Improving of alumina wettability by modification of copper alloys chemical
composition.
Abstracts. 1 s.

**Konferencja Międzynarodowa: Metale Towarzyszące w Przemysle Metali
Nieżelaznych/Conference International: By-Product Metals in Non-Ferrous Metals
Industry, Wrocław, Polska, 2010.10.13.-2010.10.15**

247.

Hruban Andrzej (ITME)

Metale towarzyszące miedzi jako surowiec do wytwarzania objętościowych
monokryształów związków półprzewodnikowych. Copper by-product metals for production
on bulk single crystals of semiconductive compounds.
Streszczenia referatów/Abstracts. s.20

248.

Strupiński Włodzimierz (ITME)

Metale towarzyszące w elektronice. By-product metals in electronics.
Streszczenia referatów/Abstracts. s.10

249.

Dalecki Wojciech (ITME), Hruban Andrzej (ITME)

Techniki do otrzymywania metali o wysokim stopniu czystości na przykładzie
antymonu, metalu towarzyszącego miedzi. Methods for production of high purity metals as
exemplified by antimony, by-product metal in copper production.
Streszczenia referatów/Abstracts. s.39

250.

Sadecka Katarzyna (ITME), Gajc Marcin (ITME), Kłós Andrzej (ITME), Surma Barbara
(ITME), Nyga P. (WAT), Nikolayenko A. (UK)

Zastosowanie metali szlachetnych na przykładzie układów eutektycznych Bi₂O₃-Ag
oraz CuO-A. Application of noble metals in Bi₂O₃-Ag and CuO-Ag eutectic systems.
Streszczenia referatów/Abstracts. s.40

International Conference on Semiconductor Mid-IR Materials and Optics, Warszawa, Poland, 2010.10.21-2010.10.23

251.

Wesołowski Marek (ITME), Strupiński Włodzimierz (ITME), Motyka M. (Wroclaw Institute of Technology, Poland), Sęk G. (Wroclaw Institute of Technology, Poland), Dumiszewska Ewa (ITME), Caban Piotr (ITME), Jasik A. (Institute of Electron Technology, Warszawa, Poland), Wójcik A. (Institute of Electron Technology, Warszawa, Poland), Pierściński K. (Institute of Electron Technology, Warszawa, Poland), Pierścińska D. (Institute of Electron Technology, Warszawa, Poland)

The MOCVD growth of antimonide type-I laser heterostructures.

Program konf. s.4

REM-3, Gramado, Brazylia, 2010.10.24-2010.10.28

252.

Jagielski Jacek (ITME)

Discontinuous character of the damage build-up in the elastic collision regime.

EOS Annual Meeting 2010, Paris, France, 2010.10.26-2010.10.29

253.

Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Pysz Dariusz (ITME), Filipkowski Adam (ITME), Kujawa Ireneusz (ITME), Waddie A.J.. (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), Stępień Ryszard (ITME)

Dispersion management in nonlinear photonic crystal fibres with nanostructured core.

EOSAM 2010 vol.4, 2 s., il., bibliogr.

XII Symposium on Fast Ionic Conductors, Ustroń, Poland, 2010.12.02-2010.12.04

254.

Aksienionek Magdalena (ITME) (Faculty of Physics, Warsaw University of Technology, Poland), Michalska Monika (ITME), Lipińska Ludwika (ITME), Wasiucionek M. (Faculty of Physics, Warsaw University of Technology, Poland), Diduszko Ryszard (ITME)

LiFePO₄ - carbon composites: Preparation by a solid state reaction and studies on the structure and selected physical properties.

Abstract. 1 s., bibliogr.

XII Symposium on Fast Ionic Conductors, Ustroń, Poland, 2010.12.02-2010.12.04

255.

Michalska Monika (ITME), Aksienionek Magdalena (ITME) (Faculty of Physics, Warsaw University of Technology, Poland), Lipińska Ludwika (ITME), Wasiucionek M. (Faculty of Physics, Warsaw University of Technology, Poland)

Sol-gel synthesis and characterization of nanocrystalline spinel LiMn_{1,5}X_{0,5}O₄ (X=Fe, Ni, Mg, Al).

Abstract. 1 s., bibliogr.

PATENTY

256.

Jasik A. (Instytut Technologii Elektronowej, Warszawa), Wierzchowski Wojciech (ITME), Muszalski J. (Instytut Technologii Elektronowej, Warszawa), Gaca Jarosław (ITME), Wójcik Marek (ITME), Pierściński Kamil (ITME)

Sposób wytwarzania niedomieszkowanej heterostruktury DBR.

A1 (21) 387290

PRACE STATUTOWE, GRANTY

257.

Badania mossbauerowskie własności strukturalnych i magnetycznych multiferroicznych związków $\text{Bi}_{0.82}\text{Ca}_{0.18}\text{Fe}_{0.92}\text{Nb}_{0.08}\text{O}_3$, $\text{Bi}_{0.8}\text{Ca}_{0.02}\text{Fe}_{0.9}\text{Nb}_{0.1}\text{O}_3$ i $\text{BaCaFe}_2\text{Co}_2\text{O}_7$.

Kopcewicz Michał (ITME), Grabias Agnieszka (ITME), Ściborowski Tomasz (ITME), Kruszewski Marek (ITME)

2010 10 s. bibliogr. s.

praca statutowa

(4358)

258.

Badania możliwości podwyższenia aktywności fotokatalitycznej TiO_2 część I. Dimieszkowanie jonami lantanowców.

Tomaszewski Henryk (ITME), Teodorczyk Marian (ITME), Sidorowicz Agata (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Słobodzian Mirosław (ITME), Sitkowska Joanna (ITME)

2010 29 s. bibliogr. s.

praca statutowa

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259.

Badania procesu akumulacji defektów radiacyjnych w materiałach so zastosowań jądrowych i mikroelektronicznych.

Jagielski Jacek (ITME), Turos Andrzej (ITME), Józwik Iwona (ITME), Piątkowska Anna (ITME), Gawlik Grzegorz (ITME), Pawłowska Marta (ITME), Józwik Przemysław (ITME), Zagojski Andrzej (ITME), Aniołkowska Elżbieta (ITME)

2010 12 s. s.

praca statutowa

(4342)

260.

Badania własności generacyjnych materiałów tlenkowych. Cz.III.:Uruchomienie stanowiska do charakteryzacji włókien aktywnych domieszkowanych iterbem.

Podnieśński Dariusz (ITME), Kozłowska Anna (ITME), Nakielska Magdalena (ITME), Teodorczyk Marian (ITME), Stępień Ryszard (ITME), Franczyk Marcin (ITME)

2010 33 s. bibliogr. s.

praca statutowa
(4379)

261.

Badania wpływu techniki lutowania na rezystancję termiczną dioda laserowych na pasmo 630, 810, 880 nm.

Dąbrowska Elżbieta (ITME), Małąg Andrzej (ITME), Sobczak Grzegorz (ITME), Teodorczyk Marian (ITME), Krzyżak Konrad (ITME), Kalbarczyk Joanna (ITME), Gajewski Michał (ITME), Morawski Krzysztof (ITME), Wiśniewska Anna (ITME)

2010 42 s. bibliogr. s.

praca statutowa
(4351)

262.

Badanie efektywności i jakości procesu polerowania płytek SiC z wykorzystaniem zjawiska katalitycznego utleniania powierzchni krzemowej w obecności jonów Fe²⁺.

Sakowska Halina (ITME), Gała Maciej (ITME), Batijewski Roman (ITME)

2010 21 s. bibliogr. s.

praca statutowa
(4364)

263.

Badanie jednorodności rozkładu własności fizycznych monokryształów GaSb domieszkowanych tellurem.

Mirowska Aleksandra (ITME), Orłowski Wacław (ITME), Broszkiewicz Michał (ITME), Dolecka Hanna (ITME), Gołębiowski Zbigniew (ITME), Juszt Sławomir (ITME), Konarski Andrzej (ITME), Pudło Dariusz (ITME), Roman Grażyna (ITME), Rosołowska Ewa (ITME), Smoczyński Dariusz (ITME), Wolszczak Marek (ITME), Budnik Jan (ITME), Wójcik Leszek (ITME)

2010 38 s. bibliogr. s.

praca statutowa
(4347)

264.

Badanie zależności współczynników załamania kryształów od temperatury i długości fali promieniowania elektromagnetycznego (układ, metoda, orientowanie kryształów).

Bajor Andrzej (ITME), Szyrski Włodzimierz (ITME), Turczyński Sebastian (ITME), Gajc Marcin (ITME)

2010 37 s. bibliogr. s.

praca statutowa
(4367)

265.

Charakteryzacja nanokryształitów tlenków Ln₂O₃ (Ln = Y, La, Yb, Dy, Gd) domieszkowanych jonami ziem rzadkich np. Nd³⁺, Tm³⁺, Pr³⁺, Ho³⁺, Yb³⁺ - metodami spektroskopii optycznej.

Wnuk Artur (ITME), Baran Magdalena (ITME), Surma Barbara (ITME)

2010 12 s. bibliogr. s.

praca statutowa
(4378)

266.

Charakteryzacja struktury domenowej i defektowej w monokryształach $\text{Pr}_x\text{La}_{1-x}\text{AlO}_3$ i $\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$ metodami rentgenowskiej topografii dyfrakcyjnej.

Malinowska Agnieszka (ITME), Wierzchowski Wojciech (ITME), Balcer Tomasz (ITME), Aniołkowska Elżbieta (ITME), Pawlak Dorota (ITME), Turczyński Sebastian (ITME), Świrkowicz Marek (ITME), Wieteska Krzysztof (IEA, Świerk), Lefeld-Sosnowska Maria (IFD, WF, UW, Warszawa)

2010 32 s. s.

praca statutowa
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267.

Czujnik lepkości cieczy z akustycznym modem płytowym na niobianie litu.

Wróbel Tadeusz (ITME), Soluch Waldemar (ITME), Hechner Judyta (ITME), Łysakowska Magdalena (ITME)

2010 19 s. bibliogr. s.

praca statutowa
(4371)

268.

Dyfrakcyjne badania strukturalne przemian fazowych w warstwach metalicznych na kryształach SiC.

Diduszko Ryszard (ITME), Aniołkowska Elżbieta (ITME)

2010 16 s. s.

praca statutowa
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269.

Inhibition of degradation of high-power InGaAs laser diodes for 630-650 nm band.

Małąg Andrzej (ITME), Dąbrowska Elżbieta (ITME), Teodorczyk Marian (ITME), Sobczak Grzegorz (ITME), Krzyżak Konrad (ITME), Gajewski Michał (ITME), Morawski Krzysztof (ITME), Krzyżak Lidia (ITME), Wiśniewska Anna (ITME)

2010 19 s. s.

praca statutowa
(4350)

270.

Kompensujące centra defektowe w krzemie FZ o bardzo wysokiej rezystywności.

Kamiński Paweł (ITME), Kozłowski Roman (ITME), Brzozowski Andrzej (ITME), Wodzyński Maciej (ITME), Żelazko Jarosław (ITME)

2010 24 s. bibliogr. s.

praca statutowa
(4373)

271.

Konfiguracja magnetyczna wielokrotnych metalicznych warstw $(\text{CoFe}^{57}/\text{Au}/\text{Co}/\text{Au})\text{N}$ - badania z wykorzystaniem spektroskopii mossbauerowskiej CEMS.

Kopcewicz Michał (ITME), Grabias Agnieszka (ITME), Ściborowski Tomasz (ITME), Kruszewski Marek (ITME)

2010 9 s. bibliogr. s.
praca statutowa
(4359)

272.

Maski fazowe do naświetlania światłowodowych siatek Bragga.
Rojek Anna (ITME), Kowalik Andrzej (ITME), Góra Krzysztof (ITME), Podgórski Jarosław (ITME), Rekuć Zbigniew (ITME), Typa Paweł (ITME)

2010 17 s. bibliogr. s.
praca statutowa
(4386)

273.

Nowa linia opóźniająca z akustyczną falą powierzchniową o małej tłumienności wtrąceniowej do zastosowań w czujnikach piezoelektrycznych.
Soluch Waldemar (ITME)

2010 7 s. bibliogr. s.
praca statutowa
(4370)

274.

Ochrona środowiska.
Sokołowska Wanda (ITME), Karaś Agata (ITME), Popławska Ewa (ITME), Jusis Anna (ITME)

2010 2 s. s.
praca statutowa
(4339)

275.

Określenie wpływu temperatury na krystalizację 15R-SiC metodą transportu fizycznego z fazy gazowej.

Tymicki Emil (ITME), Graszka Krzysztof (ITME), Racka-Dzietko Katarzyna (ITME), Raczkiewicz Marcin (ITME), Łukasiewicz Tadeusz (ITME), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME), Gała Maciej (ITME), Sakowska Halina (ITME), Stenger Bohdan (ITME)

2010 30 s. bibliogr. s.
praca statutowa
(4366)

276.

Opracowanie i modelowanie generacji supercontinuum we wknach nieliniowych y dwóch rodzajów syka.

Buczyński Ryszard (ITME), Stępień Ryszard (ITME), Pysz Dariusz (ITME), Filipkowski Adam (ITME), Kujawa Ireneusz (ITME), Duszkiewicz Janusz (ITME), Michalska Irena (ITME)

2010 12 s. s.
praca statutowa
(4355)

277.

Opracowanie metody badania właściwości mechanicznych przezroczystej ceramiki w podwyższonych temperaturach.

Boniecki Marek (ITME), Librant Zdzisław (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Wesołowski Władysław (ITME)

2010 25 s. bibliogr. s.

praca statutowa
(4344)

278.

Opracowanie metody wzrostu monokryształów SiC ze stałą temperaturą frontu krystalizacji przy użyciu pieca z dwusekcyjną strefą grzejną.

Łukasiewicz Tadeusz (ITME), Tymicki Emil (ITME), Racka-Dzietko Katarzyna (ITME), Raczkiewicz Marcin (ITME), Szyrski Włodzimierz (ITME), Telak Tadeusz (ITME)

2010 12 s. bibliogr. s.

praca statutowa
(4365)

279.

Opracowanie nowych kompozytów Ag-C z różnymi odmianami alotropowymi węgla, przeznaczonych do niskonapięciowych łączników elektrycznych.

Wójcik-Grzybek Danuta (ITME), Ktrystyna Frydman (ITME), Borkowski P. (Politechnika Łódzka), Zasada D. (WAT)

2010 159 s. bibliogr. s.

grant
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280.

Opracowanie podstaw technologii kompozytów AlN-Cu przeznaczonych na odbiorniki ciepła.

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

2010 108 s. bibliogr. s.

grant
(4375)

281.

Opracowanie technologii otrzymywania nanoproszków srebra.

Młóżniak Anna (ITME), Jakubowska Małgorzata (ITME), Jarosz Mateusz (ITME), Kielbasiński Konrad (ITME), Zwierkowska Elżbieta (ITME)

2010 33 s. bibliogr. s.

praca statutowa
(4363)

282.

Opracowanie technologii otrzymywania polimerowych kompozycji grubowarstwowych na bazie nanorurek węglowych.

Jakubowska Małgorzata (ITME), Achmatowicz Selim (ITME), Jarosz Mateusz (ITME), Kielbasiński Konrad (ITME), Młóżniak Anna (ITME), Zwierkowska Elżbieta (ITME)

2010 14 s. bibliogr. s.

praca statutowa
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283.

Opracowanie technologii strukturyzowanych rdzeni we włóknach nieliniowych.
Kujawa Ireneusz (ITME), Stepień Ryszard (ITME), Buczyński Ryszard (ITME), Pysz Dariusz (ITME), Filipkowski Adam (ITME), Duszkiewicz Janusz (ITME), Lechna Andrzej (ITME), Haraśny Krzysztof (ITME), Kuczerenko Zofia (ITME)

2010 17 s. bibliogr. s.

praca statutowa
(4357)

284.

Opracowanie technologii wytwarzania przezroczystej ceramiki Y_2O_3 metodą spiekania pod ciśnieniem.

Wajler Anna (ITME), Tomaszewski Henryk (ITME), Librant Zdzisław (ITME), Węglarz Helena (ITME), Boniecki Marek (ITME), Możdżonek Małgorzata (ITME), Słobodzian Mirosław (ITME), Sitkowska Joanna (ITME)

2010 32 s. bibliogr. s.

praca statutowa
(4345)

285.

Opracowanie unikatowej technologii wytwarzania powłok dwutlenku tytanu o właściwościach fotokatalitycznych, hydrofilnych i bakteriobójczych na podłożach ceramicznych.

Tomaszewski Henryk (ITME), Jach Katarzyna (ITME), Teodorczyk Marian (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Szczawiński J. (Akademia Rolnicza, Warszawa), Czarny A. (Instytut Immunologii i Terapii Doświadczalnej, PAN, Wrocław), Olszyna A. (Wydział Inżynierii Materiałowej, Politechnika Warszawska)

2010 273 s. bibliogr. s.

projekt badawczo-rozwojowy
(4335)

286.

Otrzymanie dyspersji nanocząstek ZnS:Cu/Mn zawieszonych w polimerze organicznym.

Achmatowicz Selim (ITME), Jakubowska Małgorzata (ITME), Jarosz Mateusz (ITME)

2010 27 s. bibliogr. s.

praca statutowa
(4362)

287.

Otrzymywanie i badanie własności monokryształów i płytek GaP dla czujników podczerwieni.

Hruban Andrzej (ITME), Strzelecka Stanisława (ITME), Orłowski Wacław (ITME), Jurkiewicz-Wegner Elżbieta (ITME), Piersa Mirosław (ITME), Mirowska Aleksandra (ITME), Materna Andrzej (ITME), Dalecki Wojciech (ITME), Budnik Jan (ITME), i inni

2010 47 s. bibliogr. s.

projekt badawczy specjalny EUREKA
(4332)

288.

Przemiany strukturalne i właściwości magnetyczne nanokrystalicznych stopów FeCoPtB.

Grabias Agnieszka (ITME), Kopcewicz Michał (ITME), Ściborowski Tomasz (ITME), Kruszewski Marek (ITME)

2010 9 s. bibliogr. s.

praca statutowa

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289.

Przezroczyste, polikrystaliczne materiały optyczne wytwarzane technologiami ceramicznymi, dla laserów i osłon emiterów/detektorów podczerwieni.

Librant Zdzisław (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Tomaszewski Henryk (ITME), Łukasiewicz Tadeusz (ITME), Jabczyński J.K. (Instytut Optoelektroniki, Wojskowa Akademia Techniczna), Żendzian W. (Instytut Optoelektroniki, Wojskowa Akademia Techniczna), Olszyna A. (Wydział Inżynierii Materiałowej, Politechnika Warszawska)

2010 215 s. bibliogr. s.

projekt badawczo-rozwojowy

(4334)

290.

Rentgenowska analiza jednorodności strukturalnej i naprężeń warstw epitaksjalnych $\text{Al}_x\text{Ga}_{(1-x)}\text{N}$ ($0,6 < x < 1,0$) layer grown on Al_2O_3 substrate by means of MOCVD method.

Wójcik Marek (ITME), Gaca Jarosław (ITME), Strupiński Włodzimierz (ITME), Turos Andrzej (ITME), Mazur Krystyna (ITME), Malinowska Agnieszka (ITME), Sathish Natarajan (ITME)

2010 45 s. bibliogr. s.

praca statutowa

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291.

Rentgeonograficzne badania silnie domieszkowanych jonami neodymu epitaksjalnych struktur mikrolaserowych Nd:YAG/YAG.

Mazur Krystyna (ITME), Sarnecki Jerzy (ITME), Nakielska Magdalena (ITME), Turos Andrzej (ITME), Wierzchowski Wojciech (ITME)

2010 21 s. bibliogr. s.

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292.

Roztworzenie i pomiary składu chemicznego (podstawowego i domieszek celowych) materiałów wytwarzanych w ITME. Badanie składu samoorganizujących się materiałów eutektycznych.

Karaś Agata (ITME), Sokołowska Wanda (ITME), Popawska Ewa (ITME), Jusiś Anna (ITME)

2010 21 s. bibliogr. s.
praca statutowa
(4337)

293.

Samopowielający laser na podczerwień i światło widzialne (światło czerwone, zielone i niebieskie) z wykorzystaniem kryształu CdCOB.

Łukasiewicz Tadeusz (ITME), Bajor Andrzej (ITME), Kłos Andrzej (ITME), Kisielewski Jarosław (ITME), Świrkowicz Marek (ITME), Kopczyński K. (IOE WAT), Mierczyk J. (IOE WAT), Młyńczak J. (IOE WAT), Patron Z. (IOE WAT)

2010 97 s. bibliogr. s.
projekt badawczo-rozwojowy
(4333)

294.

Synteza chemicznych perowskitów domieszkowanych jonami Mn do zastosowań termoluminescencyjnych.

Baran Magdalena (ITME), Lipińska Ludwika (ITME), Korczyk Barbara (ITME), Marcjaniuk Andrzej (ITME)

2010 20 s. bibliogr. s.
praca statutowa
(4353)

295.

Szklą tellurowe na mikrostrukturalne włókna fotoniczne o własnościach nieliniowych. Stepień Ryszard (ITME), Buczyński Ryszard (ITME), Pysz Dariusz (ITME), Kujawa Ireneusz (ITME), Jędrzejewski Kazimierz (ITME), Michalska Irena (ITME), Duszkiewicz Janusz (ITME), Sobkowicz Włodzimierz (ITME)

2010 106 s. bibliogr. s.
grant
(4376)

296.

Światłowody fotoniczne o powiększonym rdzeniu domieszkowane Yb³⁺ na lasery włóknowe. Etap I. Wytworzenie niedomieszkowanego włókna i charakteryzacja jego właściwości propagacyjnych.

Franczyk Marcin (ITME), Stepień Ryszard (ITME), Pysz Dariusz (ITME), Kujawa Ireneusz (ITME), Buczyński Ryszard (ITME), Sobkowicz Włodzimierz (ITME), Iwanowski Roman (ITME), Haraśna Anna (ITME), Nakielska Magdalena (ITME)

2010 8 s. bibliogr. s.
praca statutowa
(4356)

297.

Utrzymanie Systemu Jakości w Akredytowanym Laboratorium Charakteryzacji Materiałów Wysokiej Czystości.

Sokołowska Wanda (ITME), Karaś Agata (ITME), Popławska Ewa (ITME), Jusiś Anna (ITME)

2010 s. s.

praca statutowa
(4338)

298.

Wpływ niejednorodności mikrostruktury ceramiki o strukturze kubicznej na transmisję w zakresie podczerwieni.

Możdzonek Małgorzata (ITME), Węglarz Helena (ITME), Wajler Anna (ITME), Durska Halina (ITME)

2010 18 s. bibliogr. s.

praca statutowa
(4348)

299.

Wpływ pola termicznego oraz jakości tygli kwarcowych na monokryształizację krzemu w polach magnetycznych na urządzeniu MCZ45.

Majerowski Bogdan (ITME), Zabierowski Piotr (ITME), Błażewicz Jan (ITME), Surma Barbara (ITME), Durska Halina (ITME), Broszkiewicz Leszek (ITME), Stawicki Mirosław (ITME), Szczepański Jan (ITME)

2010 18 s. bibliogr. s.

praca statutowa
(4349)

300.

Wpływ procesów termicznych na strukturę dyslokacyjną monokryształów SI GaAs.

Hruban Andrzej (ITME), Orłowski Waclaw (ITME), Mirowska Aleksandra (ITME), Piersa Mirosław (ITME), Jurkiewicz-Wegner Elżbieta (ITME), Strzelecka Stanisława (ITME), Juszt Sławomir (ITME), Wolszczak Marek (ITME), Dalecki Wojciech (ITME), Materna Andrzej (ITME)

2010 25 s. bibliogr. s.

praca statutowa
(4385)

301.

Wpływ trawienia i pasywacji krawędzi na parametry elektryczne krawędziowych ogniw fotowoltaicznych.

Teodorczyk Marian (ITME), Kalbarczyk Joanna (ITME), Krzyżak Konrad (ITME), Skwarcz Jerzy (ITME), Dąbrowska Elżbieta (ITME), Gajewski Michał (ITME), Morawski Krzysztof (ITME), Wiśniewska Anna (ITME)

2010 54 s. bibliogr. s.

praca statutowa
(4380)

302.

Wykonanie sondy elektrycznej do pomiaru rozkładu amplitudy i fazy akustycznej fali powierzchniowej w płszczyźnie propagacji.

Brzozowski Ernest (ITME), Soluch Waldemar (ITME), Sadura Jolanta (ITME), Baranowska Marianna (ITME)

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praca statutowa
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303.

Wytwarzanie cienkich filmów o dużej stałej dielektrycznej.

Korczyk Barbara (ITME), Lipińska Ludwika (ITME), Kielbasiński Konrad (ITME), Teodorczyk Marian (ITME), Wiliński Zbigniew (ITME)

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304.

Wytwarzanie i badanie właściwości optycznych polikrystalicznego granatu itrowo-glinowego domieszkowanego iterbem (Yb:YAG).

Węglarz Helena (ITME), Tomaszewski Henryk (ITME), Librant Zdzisław (ITME), Boniecki Marek (ITME), Kozłowska Anna (ITME), Nakielska Magdalena (ITME), Możdżonek Małgorzata (ITME), Słobodzian Mirosław (ITME), Sitkowska Joanna (ITME)

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305.

Wytwarzanie kompozytów polimer-exfoliowany grafit/grafen.

Wiliński Zbigniew (ITME), Lipińska Ludwika (ITME), Batijewski Roman (ITME), Marcjaniuk Andrzej (ITME)

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(4354)

306.

Wytwarzanie metodami chemicznymi materiałów katodowych do nowych baterii II rodzaju.

Michalska Monika (ITME), Lipińska Ludwika (ITME), Mirkowska Monika (ITME), Kozłowska Barbara (ITME)

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307.

Wzrost, właściwości ferroelektryczne i optyczne niobianu wapniowo-barowego $\text{Ca}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$ (CBN).

Świrkowicz Marek (ITME), Łukasiewicz Tadeusz (ITME), Dec J., Szyrski Włodzimierz (ITME), Giersz Waldemar (ITME), Kaczmarek Barbara (ITME), Kisielewski Jarosław (ITME), Gała Maciej (ITME), Telak Tadeusz (ITME), Ziętek Marek

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308.

Zastosowanie monolitycznego filtra kwarcowego do pomiaru gęstości masy i lepkości cieczy.

Soluch Waldemar (ITME), Hechner Judyta (ITME), Wróbel Tadeusz (ITME), Baranowska Marianna (ITME), Zawistowska Jolanta (ITME)

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(4369)

309.

Zastosowaniem łączonych procesów elektronolitograficznych do wytwarzania struktur z wymiarem krytycznym poniżej 100 nm.

Kowalik Andrzej (ITME)

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(4381)

310.

Zbadanie własności optycznych eutektyki $\text{SrTiO}_3\text{-TiO}_2$ w temperaturze pokojowej.

Surma Barbara (ITME), Turczyński Sebastian (ITME), Wnuk Artur (ITME)

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(4382)

311.

Zwiększenie czystości powierzchni płytek krzemowych po polerowaniu po przez zastosowanie fal akustycznych o częstotliwości 0,5-1MHz.

Piątkowski Bronisław (ITME), Szymański Sławomir (ITME), Skibińska Anna (ITME), Gawryś Zbigniew (ITME)

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(4374)