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I. Artykuły w czasopismach: opublikowane, przyjęte do druku

1.

2D Materials (IF)

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

Touch-mode capacitive pressure sensor with graphene-polymer heterostructure membrane. **(Scopus)**

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ACS Applied Materials & Interfaces (IF)

Michałowski Paweł (ITME), Kaszub Wawrzyniec (ITME), Knyps Piotr (ITME), Rosiński Krzysztof (ITME), Stańczyk Beata (ITME), Przyborowska Krystyna (ITME), Dumiszewska Ewa (ITME)

A-carter-within-a-carter approach for secondary ion mass spectrometry evaluation of the quality of interfaces of multilayer devices. **(Scopus)**

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3.

Applied Optics (IF)

Dinh Q.H. (Department of Physics, Vinh University, Nghe An Province, Vinh City, Vietnam), Pniewski J. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Hieu Le Van (ITME) (Institute of Physics, University of Zielona Góra, Zielona Góra, Poland; Department of Physics, Hong Duc University, Thanh Hoa City, Vietnam), Ramaniuk Aleksandr (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Long V.C. (Institute of Physics, University of Zielona Góra, Zielona Góra, Poland), Borzycki K. (National Institute of Telecomunications, Warszawa, Poland), Xuan K.D. (Department of Physics, Vinh University, Nghe An Province, Vinh City, Vietnam), Klimczak Mariusz (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland)

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Applied Surface Science (IF)

Frelek- Kozak M. (National Centre for Nuclear Research (NCBJ) Otwock-Świerk, Poland), Kurpaska L. (National Centre for Nuclear Research (NCBJ) Otwock-Świerk, Poland), Wyszkowska E. (National Centre for Nuclear Research (NCBJ) Otwock-Świerk, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research (NCBJ) Otwock-Świerk, Poland), Jóźwik Iwona (ITME) (National Centre for Nuclear Research (NCBJ) Otwock-Świerk, Poland), Chmielewski Marcin (ITME)

Evaluation of consolidation method on mechanical and structural properties of ODS RAF steel. **(Scopus)**

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Grzonka Justyna (ITME), Pasternak Iwona (ITME) (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Michałowski Paweł (ITME), Kolkovsky V. (Institute of Physics, polish Academy od Science, Warsaw, Poland; Technische Universitat Dresden, dresden, Germany), Strupiński Włodzimierz (ITME) (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland)

Influence of hydrogen intercalation on graphene/Ge(0 0 1)/Si(0 0 1) interface. **(Scopus)**

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Szroeder P. (Institute of Physics, Kazimierz Wielki University, Bydgoszcz, Poland), Sagalianov I.Y. (Dept. of General Physics, Physicsal Faculty, Taras Shevchenko National University of Kyiv, Ukraine), Radchenko T.M. (Dept. of Metallic State Theory, G.V. Kurdyumov Institute for Metal Physics of the N.A.S. of Ukraine, Kyiv, Ukraine), Tatarenko V.A. (Dept. of Metallic State Theory, G.V. Kurdyumov Institute for Metal Physics of the N.A.S. of Ukraine, Kyiv, Ukraine), Prylutskyy Y.I. (Dept. of Biophysics and Medical Informatics, ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv, Ukraine), Strupiński Włodzimierz (ITME) (Faculty of Physics, Warsaw University of Technology, Warszawa, Poland)

Effect of uniaxial stress on the electrochemical properties of graphene with point defects. **(Scopus)**

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Physical and electrical properties of silver-matrix composites reinforced with various forms of refractory phases. **(Scopus)**

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Kiełbasiński K. (Warsaw University of Technology, Institute of Microelectronics and Optoelectronics, Warsaw, Poland), Szałapak J. (Warsaw University of Technology, Faculty of Mechatronics, Warsaw, Poland), Młożniak Anna (ITME), Teodorczyk Marian (ITME), Pawłowski R. (ABRAXAS, Wodzisław Śląski, Poland), Krzemiński J. (Warsaw University of Technology, Faculty of Mechatronics, Warsaw, Poland), Jakubowska M. (Warsaw University of Technology, Faculty of Mechatronics, Warsaw, Poland)

Sintered nanosilver joints on rigid and flexible substrates. **(Scopus)**

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

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Thermally activated double-carrier transport in epitaxial graphene on vanadium-compensated 6H-SiC as revealed by Hall effect measurements. **(Scopus)**
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Kierdaszuk J. (Faculty of Physics, University of Warsaw, Poland), Kaźmierczak P. (Faculty of Physics, University of Warsaw, Poland), Bożek R. (Faculty of Physics, University of Warsaw, Poland), Grzonka Justyna (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Zytkiewicz Z.R. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Sobanska M. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Klosek K. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Poland)

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Ceramics International (IF)

Królicka A.K. (Instituite of Physics PAS, Warsaw, Poland), Piersa Mirosław (ITME), Mirowska Aleksandra (ITME), Michalska Monika (ITME)

Effect of sol-gel and solid-state synthesis techniques on structural, morphological and thermoelectric performance of $Ca_3Co_4O_9$. **(Scopus)**
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Design and fabrication of TiO_2/lignocellulosic carbon materials: Relevance of low-temperature sonocrystallization to photocatalysts performance. **(Scopus)**
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Tkach A. (Department of Materials and Ceramics Engineering, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal), Santos A. (Department of Materials and Ceramics Engineering, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal), Złotnik Sebastian (ITME) (Department of Materials and Ceramics Engineering, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal), Serrazina R. (Department of Materials and Ceramics Engineering, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal), Okhay Ol. (Department of Materials and Ceramics Engineering, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal; Nanotechnology Research Division, Centre for Mechanical Technology and Automation (TEMA), Department of Mechanical Engineering, University of Aveiro, Portugal), Bdikin I. (Nanotechnology Research Division, Centre for Mechanical Technology and Automation (TEMA), Department of Mechanical Engineering, University of Aveiro, Portugal), Costa M.E. (Department of Materials and Ceramics Engineering, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal), Vilarinho P.M. (Department of Materials and Ceramics Engineering, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal)

Strain-mediated substrate effect on the dielectric and ferroelectric response of potassium sodium niobate thin films. **(Scopus)**

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Composites Theory and Practice

Dmitruk A. (Wrocław University of Science and Technology, Faculty of Mechanical Engineering, Chair of Foundry, Plastics and Automation, Wrocław, Poland), Naplocha K. (Wroclaw University of Science and Technology, Faculty of Mechanical Engineering, Chair of Foundry, Plastics and Automation, Wrocław, Poland), Strojny-Nędza Agata (ITME)

Thermal properties of Al alloy matrix composites reinforced with max type phases.

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Fraczek-Szczypta A. (Faculty of Materials Science and Ceramics, AGH - University of Science and Technology, Krakow, Poland), Jantas D. (Institute of Parmacology, Polish Academy of Science, Department of Experimental Neuroendocrinology, Krakow, Poland), Ciepiela F. (Faculty of Materials Science and Ceramics, AGH - University of Science and Technology, Krakow, Poland), Grzonka Justyna (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Bernasik A. (Faculty of Physics and Applied Computer Science, AGH - University of Science and Technology, Krakow, Poland; Academic Centre for Materials and Nanotechnology, AGH - University of Science and Technology, Krakow, Poland), Marzec M. (Academic Centre for Materials and Nanotechnology, AGH - University of Science and Technology, Krakow, Poland)

Carbon nanomaterials coatings - Properties and influence on nerve cells response. **(Scopus)**

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Electrochimica Acta (IF)

Chen Y.Y. (Department of Chemical Engineering, Tatung, Zhongshan North, Taipei City, Taiwan), Dhaiveegan P. (Department of Chemical Engineering, Tatung University, Zhongshan North, Taipei City, Taiwan), Michalska Monika (ITME), Lin J.Y. (Department of Chemical Engineering, Tatung University, Zhongshan North, Taipei City, Taiwan)

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Michalska Monika (ITME), Ziółkowska D.A. (Conn Center for Renewable Energy Research, University of Louisville, USA; University of Warsaw, Faculty of Physics, Warsaw, Poland), Jasiński J.B. (Conn Center for Renewable Energy Research, University of Louisville, USA), Lee P.H. (Department of Materials Engineering, Tatung University, Zhongshan North Road, Taipei, Taiwan), Ławniczak P. (Institute of Molecular Physics Polish Academy of Sciences, Poznań, Poland), Andrzejewski B. (Institute of Molecular Physics Polish Academy of Sciences, Poznań, Poland), Ostrowski A. (Institute of Molecular Physics Polish Academy of Sciences, Poznań, Poland), Bednarski W. (Institute of Molecular Physics Polish Academy of Sciences, Poznań, Poland), Wu S.H (Department of Materials Engineering, Tatung University, Zhongshan North Road, Taipei, Taiwan), Lin J.Y. (Department of Chemical Engineering, Tatung University, Zhongsham North Road, Taipei, Taiwan)

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Rubel M. (Royal Institute of Technology (KTH), Stockholm, Sweden), Widdowson A. (Culham Centre for Fusion Energy, Culham Science Centre, Abingdon, UK), Grzonka

Justyna (ITME) (Warsaw University of Technology, Warsaw, Poland), Fortuna-Zalesna E. (Warsaw University of Technology, Warsaw, Poland), Sunwoo Moon (Royal Institute of Technology (KTH), Stockholm, Sweden), Petersson P. (Royal Institute of Technology (KTH), Stockholm, Sweden), Ashikawa N. (National Institute for Fusion Science, Toki, Japan), Asakura N. (National Institutes for Quantum, Radiological Science and Technology, Rokkasho, Japan), Hamaguchi D. (National Institutes for Quantum, Radiological Science and Technology, Rokkasho, Japan), Hatano Y. (Toyama University, Hydrogen Isotope Research Center, Gofuku, Toyamana, Japan), Isobe K. (National Institutes for Quantum, Radiological Science and Technology, Rokkasho, Japan), Masuzaki S. (National Institute for Fusion Science, Toki, Japan), Hurotaki H. (National Institutes for Quantum, Radiological Science and Technology, Rokkasho, Japan), Oya Y. (Sizuoka University, Ohya, Suruga-ku, Shizuoka, Japan), Oyaidzu M. (National Institutes for Quantum, Radiological Science and Technology, Rokkasho, Japan), Tokitani M. (National Institute for Fusion Science, Toki, Japan)

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IEEE Journal od Selected Topics in Quantum Electronics (IF)
Lindberg R. (Department of Applied Physics, Royal Institute of Technology, Stockholm, Sweden), Bogusławski J. (Laser and Fiber Electronics Group, Faculty of Electronicss, Wroclaw University of Science and Technology, Wroclaw, Poland), Pasternak Iwona (ITME), Przewłoka Aleksandra (ITME), Laurell F. (Department of Applied Physics, Royal Institute of Technology, Stockholm, Sweden), Pasiskevicius V. (Department of Applied Physics, Royal Institute of Technology, Stockholm, Sweden), Sotor J. (Laser and Fiber Electronics Group, Faculty of Electronicss, Wroclaw University of Science and Technology, Wroclaw, Poland)

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Szczepaniak J. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Sciences, Warsaw, University of Life Sciences, Warsaw, Poland), Strojny B. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Sciences, Warsaw, University of Life Sciences, Warsaw, Poland), Sawosz Chwalibóg E. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Sciences, Warsaw, University of Life Sciences, Warsaw, Poland), Jaworski S. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Sciences, Warsaw, University of Life Sciences, Warsaw, Poland), Jagiełło Joanna (ITME), Winkowska Magdalena (ITME), Szmidt M. (Department of Morphologic Sciences, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland), Wierzbicki M. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Sciences, Warsaw, University of Life Sciences, Warsaw, Poland), Sosnowska M. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Sciences, Warsaw, University of Life Sciences, Warsaw, Poland), Balaban J. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Sciences, Warsaw, University of Life Sciences, Warsaw, Poland), Winnicka A. (Department of Pathology and Veterinary Diagnostics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland), Lipińska Ludwika (ITME), Witkowska Pilaszewicz O. (Department of Pathology and Veterinary Diagnostics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland), Grodzik M. (Department of Animal Nutrition and Biotechnology, Faculty of Animal Sciences, Warsaw, University of Life Sciences, Warsaw, Poland)

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Wlasny I. (Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland), Stępniewski R. (Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland), Klusek Z. (Department of Solid State Physics, Faculty of Physics and Applied Informatics, University of Lodz, Poland), Strupiński Włodzimierz (ITME) (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Wysmołek A. (Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland)

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& Biomaterials Research Group, Ghent University, Ghent, Belgium), Vermeulen N. (russels Photonics Team (B-PHOT), Dept.of Applied Physics and Photonics (IR-TONA), Vrije Universiteit Brussel, Belgium)

Localized optical-quality doping of graphene on silicon waveguides through a TFSA-containing polymer matrix. **(Scopus)**
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Homa M. (Foundry Research Institute, Kraków, Poland), Sobczak N. (Foundry Research Institute, Kraków, Poland; Institute of Precision Mechanics, Warsaw, Poland), Sobczak J.J. (Foundry Research Institute, Kraków, Poland), Kudyba A. (Foundry Research Institute, Kraków, Poland), Bruzda G. (Foundry Research Institute, Kraków, Poland), Nowak R. (Foundry Research Institute, Kraków, Poland), Pietrzak Katarzyna (ITME), Chmielewski Marcin (ITME), Strupiński W. (Warsaw University of Technology, Faculty of Physics, Warsaw, Poland)

Interaction between graphene-coated SiC single crystal and liquid copper. **(Scopus)**
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Interaction between liquid silver and graphene-coated SiC substrate. **(Scopus)**
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Knauss M. (Department of Physics, Duquesne University, Pittsburgh, USA), Tolea F. (Department of Materials Science, National Institute of Materials Physics, Bucharest-Magurele, Romania), Valeanu M. (Department of Materials Science, National Institute of Materials Physics, Bucharest-Magurele, Romania), Diamandescu L. (Department of Materials Science, National Institute of Materials Physics, Bucharest-Magurele, Romania), Trotta R. (Department of Physics, Duquesne University, Pittsburgh, USA), Wood K. (Department of Physics, Duquesne University, Pittsburgh, USA), Grabias Agnieszka (ITME), Sorescu M. (Department of Physics, Duquesne University, Pittsburgh, USA)

Mechanochemical synthesis and characterization of molybdenum dioxide-hematite nanostructures with different molarities.
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Journal of Molecular Structure (IF)
Frelek-Kozak M. (National Centre for Nuclear Research (NCBJ), Otwock-Świerk, Poland), Kurpaska Ł. (National Centre for Nuclear Research (NCBJ), Otwock-Świerk, Poland), Pawlak W. (National Centre for Nuclear Research (NCBJ), Otwock-Świerk, Poland), Diduszko Ryszard (ITME), Jasiński J. (Czestochowa University of Science and Technology, Czestochowa, Poland), Chmielewski Marcin (ITME), Milczarek J. (National Centre for

Nuclear Research (NCBJ), Otwock-Świerk, Poland), Zoladek-Nowak J. (National Centre for Nuclear Research (NCBJ), Otwock-Świerk, Poland)

Implementation of GIXRD analysis and nanoindentation technique to study functional properties of materials - ODS case study. **(Scopus)**
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Wyszkowska E. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Leśniak M. (AGH University of Science and Technology, Krakow, Poland), Kurpaska Ł. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Prokopowicz R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Jóźwik Iwona (ITME), Sitarz M. (AGH University of Science and Technology, Krakow, Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland)

Functional properties of poly(tetrafluoroethylene) (PTFE) gasket working in nuclear reactor conditions. **(Scopus)**
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Journal of Optics (IF)
Rampur Anupamaa (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Ciąćka Piotr (ITME), Cimek Jarosław (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kasztelanic Rafał (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Klimczak Mariusz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Development of suspended core soft glass fibers for far-detuned parametric conversion. **(Scopus)**
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Journal of Solid State Electrochemistry (IF)
Dhaiveegan P. (Department of Chemical Engineering, Tatung University, Taipei, Republic of China), Peng H.T. (Department of Chemical Engineering, Tatung University, Taipei, Republic of China), Michalska Monika (ITME), Xiao Y. (Institute of molecular Science, Innovation Center of Chemistry and Molecular Science, Key Laboratory of Materials for Energy Conversion and Storage of Shanxi Province, Shanxi University, Taiyuan, People‘s Republic of China), Lin J.Y. (Department of Chemical Engineering, Tatung University, Taipei, Republic of China), Hsieh C.K. (Department of Materials Engineering, Ming Chi University of Technology, New Taipei City, Taiwan, Republic of China)

Investigation of carbon coating approach on electrochemical performance of $Li_4Ti_5O_{12}$/C composite anodes for high-rate lithium-ion batteries. **(Scopus)**
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Tkach A. (CICECO-Aveiro Institute of Materials, Department of Materials and Ceramic Engineering University of Aveiro, Portugal), Amaral J.S. (CICECO- Aveiro Institute of Materials, Department of Physics, University of Aveiro, Portugal), Złotnik Sebastian (ITME) (CICECO-Aveiro Institute of Materials, Department of Materials and Ceramic Engineering University of Aveiro, Portugal), Amaral V.S. (CICECO- Aveiro Institute of Materials, Department of Physics, University of Aveiro, Portugal), Vilarinho P.M. (CICECO-Aveiro

Institute of Materials, Department of Materials and Ceramic Engineering University of Aveiro, Portugal)

Enhancement of the dielectric permittivity and magnetic properties of Dy substituted strontium titanate ceramics. **(Scopus)**
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Journal of the Optical Society of America B-Optical Physics (IF)
Ciąćka Piotr (ITME) (Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Rampur Anupamaa (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Heidt A. (Institute of Applied Physics, University of Bern, Switzerland), Feurer T. (Institute of Applied Physics, University of Bern, Switzerland), Klimczak Mariusz (ITME)

Dispersion measurement of ultra-high numerical aperture fibers covering thulium, holmium, and erbium emission wavelengths. **(Scopus)**
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Ghosh A.N. (Institut FEMTO-ST, CNRS, UMR 6174, Universite Bourgogne Franche-Comte, Besancon, France), Klimczak Mariusz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Dudley J.M. (Institut FEMTO-ST, CNRS, UMR 6174, Universite Bourgogne Franche-Comte, Besancon, France), Sylvestre T. (Institut FEMTO-ST, CNRS, UMR 6174, Universite Bourgogne Franche-Comte, Besancon, France)

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Wlazlak A. (Faculty of Mechanical and Power Engineering, Wroclaw University of Science and Technology, Wroclaw, Poland), Zajączkowski B. (Faculty of Mechanical and Power Engineering, Wroclaw University of Science and Technology, Wroclaw, Poland), Woluntarski Michał (ITME), Buschmann M. (Institut fur Luft- Und Kaltetechnik, Dresden, Germany)

Influence of graphene oxide nanofluids and surfacant on thermal behaviour of the thermosyphon **(Scopus)**
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Laser Physics (IF)

Van Le H. (Institute of Physics, University of Zielona Góra, Poland; Department of Physics, Hong Duc University, Thanh Hoa City, Vietnam), Cao V.L. (Institute of Physics, University of Zielona Góra, Poland), Nguyen A.M. (Department of Physics, Hong Duc University, Thanh Hoa City, Vietnam), Nguyen H.T. (Department of Physics, Hong Duc University, Thanh Hoa City, Vietnam; Department of Physics, University of Warsaw, Warsaw, Poland), Buczyński Ryszard (ITME) (Department of Physics, University of Warsaw, Warsaw, Poland), Kasztelanic Rafał (ITME) (Department of Physics, University of Warsaw, Warsaw, Poland)

Application of ethanol infiltration for ultra-flattened normal dispersion in fused silica photonic crystal fibers. **(Scopus)**

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Liquid Crystals (IF)

Miszczyk E. (Department of Physics, University of Technology and Humanities in Radom, Radom, Poland), Mazur R. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland), Morawiak P. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland), Mrukiewicz M. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland), Piecek W. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland), Raszewski Z. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland), Kula P. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland), Kowiorski Krystian (ITME), Kędzierski J. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland), Zieliński J. (Faculty of Advanced Technologies and Chemistry, Military University of Technology, Warsaw, Poland)

Refractive index matched liquid crystal cell for laser metrology application. **(Scopus)**

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Materials Letters (IF)

Gargi Shankar Nayak (Department of Ceramics and Refractory Materials, Institute of Mineral Engineering, RWTH Aachen University University, Aachen, Germany), Zybała Rafał (ITME) (Department of Ceramics and Refractory Materials, Institute of Mineral Engineering, RWTH Aachen University University, Aachen, Germany), Koziński R. (Warsaw University of Technology, Warsaw, Poland), Woluntarski Michał (ITME), Telle R. (Department of Ceramics and Refractory Materials, Institute of Mineral Engineering, RWTH Aachen University University, Aachen, Germany), Schickle K. (Department of Ceramics and Refractory Materials, Institute of Mineral Engineering, RWTH Aachen University University, Aachen, Germany)

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Pietrzak Katarzyna (ITME), Frydman Krystyna (ITME), Wójcik-Grzybek Danuta (ITME), Gładki Andrzej (ITME), Bańkowska Anna (ITME), Borkowski Piotr (Lodz University of Technology, Department of Electrical Apparatus, Lodz, Poland)

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Materials Science and Engineering A-Structural Materials Properties Microstructure and Proceesing (IF)

Maj J. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), 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), Bochenek K. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland), Strojny-Nędza Agata (ITME), Naplocha K. (Wrocław University of Technology, Wrocław, Poland), Panzner T. (Paul Scherrer Institute, Villigen, Switzerland), Tatarkova M. (Institute of Materials Research, Slovak Academy of Science, Kosice, Slovakia), Fiori F. (Universita Politecnica delle Marche, Ancona, Italy)

Effect of microstructure on mechanical properties and residual stresses in interpenetrating aluminum-alumina composites fabricated by squeeze. **(Scopus)**
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Materials Today: Proceedings (IF)

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) technique. **(Scopus)**
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Zybała R. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Schmidt Maksymilian (ITME), Kamińska P. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Kruszewski M.J. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Grzonka Justyna (ITME), Pietrzak Katarzyna (ITME), Ciupiński Ł. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland)

Skutterudite ($CoSb_3$) thermoelectric nanomaterials fabricated by Pulse Plasma in Liquid. **(Scopus)**
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Chmielewski T. (Institute of Manufacturing Technologies, Warsaw University of Technology, Warsaw, Poland), Siwek P. (Institute of Manufacturing Technologies, Warsaw University of

Technology, Warsaw, Poland), Chmielewski Marcin (ITME), Piątkowska Anna (ITME), Grabias Agnieszka (ITME), Golański D. (Institute of Manufacturing Technologies, Warsaw University of Technology, Warsaw, Poland)

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Microscopy Research and Technique (**IF)**
Jóźwik Iwona (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Strojny-Nędza Agata (ITME), Chmielewski Marcin (ITME), Pietrzak Katarzyna (ITME), Kurpaska Ł. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Nosewicz S. (Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland)

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Trotta R. (Duquesne University, Department of Physica, Pittsburgh, PA, USA), Tolea F. (National Institute of Materials Physics, Bucharest-Magurele, Romania), Valeanu M. (National Institute of Materials Physics, Bucharest-Magurele, Romania), Diamandescu L. (National Institute of Materials Physics, Bucharest-Magurele, Romania), Grabias Agnieszka (ITME), Sorescu M. (Duquesne University, Department of Physica, Pittsburgh, PA, USA)

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Kalinowski R. (Institute of Environmental Protection - National Research Institute, Warsaw, Poland), Tomczyk B. (Institute of Environmental Protection - National Research Institute, Warsaw, Poland), Trzcińska M. (Institute of Environmental Protection - National Research Institute, Warsaw, Poland), Walkowiak R. (Institute of Environmental Protection - National Research Institute, Warsaw, Poland), Kaźmierczuk M. (Institute of Environmental Protection - National Research Institute, Warsaw, Poland), Paczkowski S. (Institute of Environmental Protection - National Research Institute, Warsaw, Poland), Gworek B. (Institute of Environmental Protection - National Research Institute, Warsaw, Poland), Woluntarski Michał (ITME)

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Sankaran K.J. (Institute of Materials Research (IMO), Hasselt University, Diepenbeek, Belgium; IMOMEC, IMEC vzw., Diepenbeek, Belgium), Ficek M. (Department of Metrology and Optoelectronics, Faculty of Electronics, Telecommunications and Informatics, Gdansk University of Technology, Gdansk, Poland), Kunuku S. (Department of Engineering and System Science, National Tsing Hua University, Taiwan, Republic of China), Panda K. (Center for Nanomaterials and Chemical Reactions, Institute for Basic Science (IBS),

Daejeon, Korea), Park J.Y. (Center for Nanomaterials and Chemical Reactions, Institute for Basic Science (IBS), Daejeon, Korea; Gradauate School of EEWS, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea), Sawczak M. (Center for Plasma and Laser Engineering, The Szewalski Institute of Fluid Flow Machinery, Polish Academy of Science, Gdansk, Poland), Michałowski Paweł (ITME), Leou K.C. (Department of Engineering and System Science, National Tsing Hua University, Taiwan, Republic of China), Bogdanowicz R. (Department of Metrology and Optoelectronics, Faculty of Electronics, Telecommunications and Informatics, Gdansk University of Technology, Gdansk, Poland), Lin I-N. (Department of Physics, Tamkang University, Tamsui, Republic of China), Haenen K. (Institute of Materials Research (IMO), Hasselt University, Diepenbeek, Belgium; IMOMEC, IMEC vzw., Diepenbeek, Belgium)

Self-organized multi-layered graphene-boron-doped diamond hybrid nanowalls for high-performance electron emission devices. **(Scopus)**
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Michałowski Paweł (ITME), Gaca Jarosław (ITME), Wójcik Marek (ITME), Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock, Poland)

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Michalska Monika (ITME), Iwan A. (General Tadeusz Kosciuszko Military University of Land Forces, Wroclaw; MULF Wroclaw, Faculty of Security and Safety Research, Wroclaw, Poland), Andrzejczuk M. (Faculty of Materials Engineering, Warsaw University of Technology, Warsaw, Poland), Roguska A. (Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Sikora A. (Electrotechnical Institute, Division of Electrotechnology and Materials Science, Wroclaw, Poland), Boharewicz B. (Electrotechnical Institute, Division of Electrotechnology and Materials Science, Wroclaw, Poland), Tazbir I. (Electrotechnical Institute, Division of Electrotechnology and Materials Science, Wroclaw, Poland), Hreniak A. (Electrotechnical Institute, Division of Electrotechnology and Materials Science, Wroclaw, Poland), Popłoński S. (Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland), Korona K.P. (Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland)

Analysis of the surface decoration of TiO_2 grains using silver nanoparticles obtained by ultrasonochemical synthesis towards organic photovoltaics. **(Scopus)**
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Jagielski Jacek (ITME) (National Centre for Nuclar Research, Otwock, Poland), Kosinska A. (National Centre for Nuclar Research, Otwock, Poland), Ostaszewska U. (Institute for Engineering of Polymer Materials & Dyes, Division of Elastomers & Rubber Technology, Piastow, Poland), Romaniec Magdalena (ITME), Kurpaska Ł. (National Centre for Nuclar Research, Otwock, Poland), Jóźwik Iwona (ITME)

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Poland), Jagielski Jacek (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland)

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Optical Fiber Technology (**IF)**
Curilla L. (Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Mlynska dolina, Bratislava, Slovak Republic), Astrauskas I. (Photonics Institute, Vienna University of Technology, Vienna, Austria), Pugzlys A. (Photonics Institute, Vienna University of Technology, Vienna, Austria), Stajanca P. (Federal Institute for Materials Research and Testing, Berlin, Germany), Pysz Dariusz (ITME), Uherek F. (International Laser Centre, Bratislava, Slovak Republic), Baltuska A. (Photonics Institute, Vienna University of Technology, Vienna, Austria), Bugar Ignac (ITME)

Non linear performance of asymmetric coupler based on dual-core photonic crystal fiber: Towards sub-nanjoule solitonic ultrafast all-optical switching. **(Scopus)**
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Hoang V.T. (University of Warsaw, Faculty of Physics, Warsaw, Poland), Siwicki Bartłomiej (ITME), Franczyk Marcin (ITME), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Hieu Le Van (ITME) (University of Zielona Góra, Institute of Physics, Zielona Góra, Poland), Long V.C. (University of Zielona Góra, Institute of Physics, Zielona Góra, Poland), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

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All-normal dispersion supercontinuum generation in photonic crystal fibers with large hollow cores infiltrated with toluene.
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73.

Loiko P. (Fisica i Cristallografia de Materials i Nanomaterials (FiCMA-FiCNA)-EMaS, Dept. Quimica Fisica i Inorganica, Universitat Rovira i Virgili (URV), Campus Sescelades, Tarragona, Spain; ITMO University, Petersburg, Russia), Bogusławski J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Science and Technology, Wroclaw, Poland; Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw,

Poland), Serres J.M. (Fisica i Cristallografia de Materials i Nanomaterials (FiCMA-FiCNA)-EMaS, Dept. Quimica Fisica i Inorganica, Universitat Rovira i Virgili (URV), Campus Sescelades, Tarragona, Spain), Kifle E. (Fisica i Cristallografia de Materials i Nanomaterials (FiCMA-FiCNA)-EMaS, Dept. Quimica Fisica i Inorganica, Universitat Rovira i Virgili (URV), Campus Sescelades, Tarragona, Spain), Kowalczyk M. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Science and Technology, Wroclaw, Poland), Mateos X. (Fisica i Cristallografia de Materials i Nanomaterials (FiCMA-FiCNA)-EMaS, Dept. Quimica Fisica i Inorganica, Universitat Rovira i Virgili (URV), Campus Sescelades, Tarragona, Spain), Sotor J. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Science and Technology, Wroclaw, Poland), Zybała R. (University Research Centre, Functional Materials, 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), Kaszyca Kamil (ITME), Aguilo M. (Fisica i Cristallografia de Materials i Nanomaterials (FiCMA-FiCNA)-EMaS, Dept. Quimica Fisica i Inorganica, Universitat Rovira i Virgili (URV), Campus Sescelades, Tarragona, Spain), Diaz F. (Fisica i Cristallografia de Materials i Nanomaterials (FiCMA-FiCNA)-EMaS, Dept. Quimica Fisica i Inorganica, Universitat Rovira i Virgili (URV), Campus Sescelades, Tarragona, Spain), Griebner U. (Max Born Institute of Nonlinear Optics and Short Pulse Spectroscopy, Berlin, Germany), Petrov V. (Max Born Institute of Nonlinear Optics and Short Pulse Spectroscopy, Berlin, Germany)

Sb_2Te_3 thin film for the passive Q-switching of a Tm:$GdVO_4$ laser. **(Scopus)**
Vol.8 nr 7 s.1723-1732

74.

Optics Communications (**IF)**
Van H.L. (Institute of Physics, University of Zielona Gora, Poland; Department of Physics, Hong Duc University, Thanh Hoa City, Viet Nam), Buczyński Ryszard (ITME) (Department of Physics, University of Warsaw, Warsaw, Poland), Long V.C. (Institute of Physics, University of Zielona Gora, Poland), Trippenbach M. (Department of Physics, University of Warsaw, Warsaw, Poland), Borzycki K. (National Institute of Telecommunications, Warsaw, Poland), Manh A.N. (Department of Physics, Hong Duc University, Thanh Hoa City, Viet Nam), Kasztelanic Rafał (ITME) (Department of Physics, University of Warsaw, Warsaw, Poland)

Measurement of temperature and concentration influence on the dispersion of fused silica glass photonic crystal fiber infiltrated with water-ethanol mixture. **(Scopus)**
Vol.407 s.417-422

75.

Optics Express (**IF)**
Kasztelanic Rafał (ITME) (Department of Physics, University of Warsaw, Warsaw, Poland), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (Department of Physics, University of Warsaw, Warsaw, Poland)

Optical fibers with open side channel by wet etching. **(Scopus)**
Vol.26 nr 25 s.32374-32387

76.

Stefaniuk Tomasz (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Pysz Dariusz (ITME), Stępień Ryszard (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland)

Fused silica photonic crystal fiber with heavily germanium doped microinclusion in the core dedicated to couple, guide and control LP02 higher-order mode. **(Scopus)**
Vol.26 nr 17 s.21939-21949

77.

Wang B. (Physics Department, Universitat Politecnica de Catalunya, Terrassa, Barcelona, Spain; Aix Marseille Univ.CNRS, Centrale Marseille, Institut Fresnel, Marselle, France), Switkowski K. (Texas A&M University at Qatar, Doha, Qatar; Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Cojocaru C. (Physics Department, Universitat Politecnica de Catalunya, Terrassa, Barcelona, Spain), Roppo V. (3SP Technologies, Nozay, France), Sheng Y. (Laser Physics Center, Research School of Physics and Engineering, Australian National University, Canberra, Australia), Scalora M. (Charles M. Bodwen Research Facility, AMRDEC-RDMR-WDS, -R Redstone Arsenal, USA), Kisielewski Jarosław (ITME), Pawlak Dorota (ITME), Vilaseca R. (Physics Department, Universitat Politecnica de Catalunya, Terrassa, Barcelona, Spain), Akhouayri H. (Aix Marseille Univ.CNRS, Centrale Marseille, Institut Frensel, Marselle, France), Królikowski W. (Texas A&M University at Qatar, Doha, Qatar; Laser Physics Center, Research School of Physics and Engineering, Autralian National University, Canberra, Australia), Trull J. (Physics Department, Universitat Politecnica de Catalunya, Terrassa, Barcelona, Spain)

Comparative analysis of ferroelectric domain statistics via nonlinear diffraction in random nonlinear materials. **(Scopus)**
Vol.26 nr 2 s.1083-1096

78.

Optics Letters (**IF)**
Paliszewska M. (Laser & Fiber Electronics Group, Faculty of Electronics, Wroclaw University of Science and Technology, Wrocław, Poland), Martynkien T. (Department of Optics and Photonics, Faculty of Fundamental Problems of Technology, Wrocław University of Science and Technology, Wroclaw, Poland), Przewłoka Aleksandra (ITME), Sotor J. (Laser & Fiber Electronics Group,Faculty of Electronics, Wroclaw University of Science and Technology, Wrocław, Poland)

Dispersion-managed Ho-doped fiber laser mode-locked with a graphene saturable absorber. **(Scopus)**
Vol.43 nr 1 s.38-41

79.

Photonics Letters of Poland
Cimek Jarosław (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland), Forestier Xavier (ITME) (Warsaw University of Technology , Faculty of Physics,Warsaw, Poland), Stępień Ryszard (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warszawa, Poland)

Synthesis conditions of ZBLAN glass for mid-infrared optical components. **(Scopus)**
Vol.10 s.8-10

80.

Physica Status Solidi A-Applications and Materials Science (**IF)**
Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Guziewicz E. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Prucnal S. (Helmholtz-Zentrum Dresden-Rossendorf Bautzner Landstrasse, Dresden, Germany), Łuka G. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Bottger R. (Helmholtz-Zentrum Dresden-Rossendorf Bautzner Landstrasse, Dresden, Germany), Heller R. (Helmholtz-

Zentrum Dresden-Rossendorf Bautzner Landstrasse, Dresden, Germany), Mieszczyński C. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Woźniak W. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland)

Luminescence in the visible region from annealed thin ALD-ZnO films implanted with different rare earth ions. **(Scopus)**
Vol.215 s.1700889-1-7

81.

Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland), Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Mieszczyński C. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Jóźwik Przemysław (ITME), Stonert A. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Prucnal S. (Helmholtz-Zentrum Dresden-Rossendorf Bautzner Landstrasse, Dresden, Germany), Heller R. (Helmholtz-Zentrum Dresden-Rossendorf Bautzner Landstrasse, Dresden, Germany), Skorupa W. (Helmholtz-Zentrum Dresden-Rossendorf Bautzner Landstrasse, Dresden, Germany), von Borany J. (Helmholtz-Zentrum Dresden-Rossendorf Bautzner Landstrasse, Dresden, Germany), Guziewicz E. (Institute of Physics Polish Academy of Sciences, Warsaw, Poland)

Ion beam modification of ZnO epilayers: Sequential processing. **(Scopus)**
Vol.215 s.1700887-1-6

82.

Physica Status Solidi B-Basic Research (**IF)**
Jóźwik P. (IPFN, Instituto Superior Tecnico Universidade de Lisboa Estrada Nacional, Bobadela, Portugal), Magalhaes S. (IPFN, Instituto Superior Tecnico Universidade de Lisboa Estrada Nacional, Bobadela, Portugal), Ratajczak R. (National Centre for Nuclear Research, Otwoc-Świerk, Poland), Mieszczyński C. (National Centre for Nuclear Research, Otwoc-Świerk, Poland), Sequeira M. (National Centre for Nuclear Research, Otwoc-Świerk, Poland), Turos Andrzej (ITME), Bottger R. (Helmholtz Zentrum Dresden-Rossendorf, Dresden, Germany), Heller R. (Helmholtz Zentrum Dresden-Rossendorf, Dresden, Germany), Lorenz K. (INESC-MN, IPFN Instituto Superior Tecnico Universidade de Lisbona Estrada Nacional, Bobadela, Portugal), Alves E. (IPFN, Instituto Superior Tecnico Universidade de Lisboa Estrada Nacional, Bobadela, Portugal)

RBS/C, XRR, and XRD studies of damage buildup in Er-implanted ZnO. **(Scopus)**
s.1800364-1-7

83.

Physical Chemistry Chemical Physics (**IF)**
Michałowski Paweł (ITME), Złotnik Sebastian (ITME), Sitek Jakub (ITME), Rosiński Krzysztof (ITME), Rudziński Mariusz (ITME)

Oxygen-induced high diffusion rate of magnesium dopants in GaN/AlGaN based UV LED heterostructures. **(Scopus)**
Vol.20 s.13890-13895

84.

Physical Review Materials (**IF)**
Papalazarou E. (Laboratoire de Physique des Solides, Universite Paris-Sud, Universite Paris-Saclay, Orsay, France), Khalil L. (Laboratoire de Physique des Solides, Universite Paris-Sud, Universite Paris-Saclay, Orsay, France; Synchrotron SOLEIL, L'Orme des Merisiers, Saint Aubin BP, France), Caputo M. (Laboratoire de Physique des Solides, Universite Paris-Sud,

Universite Paris-Saclay, Orsay, France), Perfetti L. (Laboratoire des Solides Irradies, Ecole Polytechnique, CNRS-UMR 7642, CEA, Universite Paris-Saclay, Palaiseau, France), Nilforoushan N. (Laboratoire de Physique des Solides, Universite Paris-Sud, Universite Paris-Saclay, Orsay, France), Deng H. (Department of Physics, The City College of New York, CUNY, New York, USA), Chen Z. (Department of Physics, The City College of New York, CUNY, New York, USA), Zhao S. (Department of Physics, The City College of New York, CUNY, New York, USA), Taleb-Ibrahimi A. (Synchrotron SOLEIL, L'Orme des Merisiers, Saint Aubin BP, France), Konczykowski M. (Laboratoire des Solides Irradies, Ecole Polytechnique, CNRS-UMR 7642, CEA, Universite Paris-Saclay, Palaiseau, France), Hruban A. (Instityte of Physics Polish Academy of Sciences, Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Poland), Materna Andrzej (ITME), Krusin-Elbaum L. (Department of Physics, The City College of New York, CUNY, New York, USA; The Graduate Center, CUNY, New York, USA), Marsi M. (Laboratoire de Physique des Solides, Universite Paris-Sud, Universite Paris-Saclay, Orsay, France)

Unraveling the Dirac fermion dynamics of the bulk-insulating topological system Bi2Te2Se. **(Scopus)**
Vol.2 s.104202-1-123

85.

Sobczak K. (Faculty of Chemistry, Biological and Chemical Research Centre, University of Warsaw, Poland), Strąk P. (Institute of High Pressure Physics, Polish Academy of Sciences, Warsaw, Poland), Kempisty P. (Institute of High Pressure Physics, Polish Academy of Sciences, Warsaw, Poland), Wołoś A. (Faculty of Physics, University of Warsaw, Poland), Hruban A. (Institute of Physics, Polish Academy of Sciences, Warszawa, Poland), Materna Andrzej (ITME), Borysiuk J. (Faculty of Physics, University of Warsaw, Poland)

Electronic and structural properties of Bi2Se3:Cu. **(Scopus)**
Vol.2 s.044203-1-9

86.

Przegląd Spawalnictwa
Siwek P. (Politechnika Warszawska), Chmielewski T. (Politechnika Warszawska), Chmielewski Marcin (ITME)

Natryskiwanie łukowe powłok Fe-Al.
Vol.90 nr 3 s.62-67

87.

Rynek Elektryczny
Kozłowska Anna (ITME), Węglarz Helena (ITME)

Pobudzane laserowo żródła światła białego.nr 3 s.47-49

88.

Scientific Reports (**IF)**
Anuszkiewicz Alicja (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Kasztelanic Rafał (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Filipkowski Adam (ITME), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Stefaniuk Tomasz (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Siwicki Bartłomiej (ITME), Pysz Dariusz (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland)

Fused silica optical fibers with graded index nanostructured core. **(Scopus)**
Vol.8 s.12329-1-13

89.
Gajc Marcin (ITME), Surma Barbara (ITME), Pawlak Dorota (ITME) (Chemistry Department, University of Warsaw, Warsaw, Poland)

Optically-active metastable defects in volumetric nanoplasmonic composites. **(Scopus)**
Vol.8 s.13425-1-10

90.
Kasztelanic Rafał (ITME) (Faculty of Physics, University of Warsaw, Poland), Filipkowski Adam (ITME), Anuszkiewicz Alicja (ITME), Stafiej Paulina (ITME) (Faculty of Physics, University of Warsaw, Poland), Stępniewski Grzegorz (ITME), Pysz Dariusz (ITME), Krzyżak Konrad (ITME), Stępień Ryszard (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland)

Integrating free-form nanostructure GRIN microlenses with single-mode fibers for optofluidic systems. **(Scopus)**
Vol.8 s.5072-1-12

91.
Lepak-Kuc S. (Faculty of Mechatronics, Warsaw University of Technology, Warsaw, Poland), Boncel S. (Department of Organic Chemistry, Bioorganic Chemistry and Biotechnology, Faculty of Chemistry, Silesian University of Technology, Gliwice, Poland), Szybowicz M. (Faculty of Technical Physics, Poznan University of Technology, Poznan, Poland), Nowicka A.B. (Faculty of Technical Physics, Poznan University of Technology, Poznan, Poland), Jóźwik Iwona (ITME), Orliński Krzysztof (ITME), Gizewski T. (Faculty of Electrical Engineering and Computer Science, Lublin University of Technology, Lublin, Poland), Kozioł K. (Enhanced Composites & Structures Centre, Cranfield University, Cranfield, UK), Jakubowska Małgorzata (Faculty of Mechatronics, Warsaw University of Technology, Warsaw, Poland), Lekawa-Raus A. (Faculty of Mechatronics, Warsaw University of Technology, Warsaw, Poland)

The operational window of carbon nanotube electrical wires treated with strong acids and oxidants. **(Scopus)**
Vol.8 s.14332-1-14

92.
Semiconductor Science and Technology (**IF)**
Gładysiewicz M. (Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology, Wrocław, Poland), Rudziński Mariusz (ITME), Hommel D. (Wroclaw Research Center EIT+ Sp. z o o. Wrocław, Poland), Kudrawiec R. (Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology, Wrocław, Poland; Wroclaw Research Center EIT+ Sp. z o o. Wrocław, Poland)

Emission and material gain spectra of polar compressive strained AlGaN quantum wells grown on virtual AlGaN substrates: Tuning emission wavelength and mixing TE and TM mode of light polarization. **(Scopus)**
Vol.33 s.075003-1-20

93.
Kamiński Paweł (ITME), Kozłowski Roman (ITME), Żelazko Jarosław (ITME), Wodzyński Maciej (ITME)

Iron-related deep electron traps in epitaxial silicon resolved by Laplace-transform deep level transient spectroscopy. **(Scopus)**
Vol.33 s.115013-1-7

94.
Oliva R. (Department of Experimental Physics, Faculty of Fundamental problems of Technology, Wroclaw University of Science and Technology, Wroclaw, Poland), Zelewski S.J. (Department of Experimental Physics, Faculty of Fundamental problems of Technology, Wroclaw University of Science and Technology, Wroclaw, Poland), Janicki Ł. (Department of Experimental Physics, Faculty of Fundamental problems of Technology, Wroclaw University of Science and Technology, Wroclaw, Poland), Gwóźdź K.R. (Department of Quantum Technologies, Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology, Wroclaw, Poland), Serafińczuk J. (Faculty of Microsystem Electronics and Photonics, Wroclaw University of Science and Technology, Wroclaw, Poland), Rudziński Mariusz (ITME), Ozbay E. (Nanotechnology Research Center, Bilkent University, Turkey), Kudrawiec R. (Department of Experimental Physics, Faculty of Fundamental problems of Technology, Wroclaw University of Science and Technology, Wroclaw, Poland)

Determination of the band gap of indium-rich InGaN by means of photoacoustic spectroscopy. **(Scopus)**
Vol.33 s.035007-1-6

95.
Pierścińska D. (Institute of Electron Technology, Warsaw, Poland), Gutowski P. (Institute of Electron Technology, Warsaw, Poland), Hałdaś G. (Department of Electronics Fundamentals, Rzeszów University of Technology, Rzeszów, Poland), Kolek A. (Department of Electronics Fundamentals, Rzeszów University of Technology, Rzeszów, Poland), Sankowska I. (Institute of Electron Technology, Warsaw, Poland), Grzonka Justyna (ITME) (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Mizera J. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Pierściński K. (Institute of Electron Technology, Warsaw, Poland), Bugajski M. (Institute of Electron Technology, Warsaw, Poland)

Above room temperature operation of InGaAs/AlGaAs/GaAs quantum cascade lasers. **(Scopus)**
Vol.33 s.035006-1-14

96.
Sensors (**IF)**
Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Pniewski J. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Pysz Dariusz (ITME), Cimek Jarosław (ITME), Stępień Ryszard (ITME), Klimczak Mariusz (ITME), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland)

Development of dispersion-optimized photonic crystal fibers based on heavy metal oxide glasses for broadband infrared supercontinuum generation with fiber lasers. **(Scopus)**
Vol.18 s.4127-1-16

97.
Separation and Purification Technology (**IF)**
Djas Małgorzata (ITME), Henczka M. (Faculty of Chemical and Process Engineering, Warsaw University of Technology, Warsaw,Poland)

Reactive extraction of carboxylic acids using oragnic solvents and supercritical fluids: A review. **(Scopus)**
Vol.201 s.106-119

98.
Henczka M. (Faculty Chemical and Process Engineering, Warsaw University of Technology, Warsaw, Poland), Djas Małgorzata (ITME)

Reactive extraction of succinic acid using supercritical carbon dioxide. **(Scopus)**
Vol.53 nr 4 s.655-661

99.
Solar Energy Materials and Solar Cells (**IF)**
Zhydachevskyy Y. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland; Lviv Polytechnic National University, Lviv, Ukraine), Syvorotka I.I. (SRC "Carat" Lviv, Ukraine), Tsiumra V. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Baran Magdalena (ITME), Lipińska Ludwika (ITME), Wierzbicka A. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Suchocki A. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland; Institute of Physics, University of Bydgoszcz, Bydgoszcz, Poland)

Quantum efficiency of the down-conversion process in Bi^{3+} -Yb^{3+} and Ce^{3+} -Yb^{3+} co-doped garnets. **(Scopus)**
Vol.185 s.240-251

100.
Surface & Coatings Technology (**IF)**
Frelek-Kozak M. (National Center for Nuclear Research, Otwock-Świerk, Poland), Kurpaska L. (National Center for Nuclear Research, Otwock-Świerk, Poland), Wyszkowska E. (National Center for Nuclear Research, Otwock-Świerk, Poland), Jagielski Jacek (ITME) (National Center for Nuclear Research, Otwock-Świerk, Poland), Pawlak Dorota (ITME), Jóźwik Iwona (ITME) (National Center for Nuclear Research, Otwock-Świerk, Poland), Chmielewski Marcin (ITME), Perkowski K. (Institute of Ceramics and Building Materials, Warsaw, Poland), Lewandowska M. (Warsaw University of Technology, Warsaw, Poland)

Influence of consolidation process on functional properties of steels. **(Scopus)**
Vol.355 s.234-239

101.
Surface and Interface Analysis (**IF)**
Jakieła R. (Institute of Physics, Polish of Sciences, Warsaw, Poland), Barcz A. (Institute of Physics, Polish of Sciences, Warsaw, Poland; Institute of Electronics Technology, Warsaw, Poland), Sarnecki Jerzy (ITME), Celler G.K. (Physics Dept. and Materials Science Dept. Rutgers Univ. Piscataway, NJ, USA)

Ultrahigh sensitivity SIMS analysis of oxygen in silicon **(Scopus)**
s.1-5

102.
The Canadian Mineralogist (**IF)**
Malczewski D. (Faculty of Earth Sciences, University of Silesia, Sosnowiec , Poland), Dziurowicz M. (Faculty of Earth Sciences, University of Silesia, Sosnowiec , Poland), Krzykawski T. (Faculty of Earth Sciences, University of Silesia, Sosnowiec , Poland), Grabias Agnieszka (ITME)

Spectroscopic characterization and thermal recrystallization study of an unknown metamict phase from Tuften quarry, southern Norway. **(Scopus)**
Vol.56 s.365-373

103.

Toxicology IN VITRO (**IF)**

Lasocka I. (Department of Biology of Animal Environment, Facultry of Animal Sciences, Warsaw University of Life Sciences, Warsaw, Poland), Szulc-Dąbrowska L. (Department of Preclinical Sciences, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland), Skibniewski M. (Department of Morphological Sciences, Faculty of Vetetrinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland), Skibniewska E. (Department of Biology of Animal Environment, Facultry of Animal Sciences, Warsaw University of Life Sciences, Warsaw, Poland), Strupiński Włodzimierz (ITME) (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Pasternak Iwona (ITME) (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Kmieć H. (Department of Biology of Animal Environment, Facultry of Animal Sciences, Warsaw University of Life Sciences, Warsaw, Poland), Kowalczyk P. (Department of Animal Nutrition, The Kielanowski Institute of Animal Physiology and Nutrition, Polish Academy of Sciences, Jabłonna, Poland)

Biocompatibility of pristine graphene monolayer: Scaffold for fibroblasts. **(Scopus)**
Vol.45 s.276-285

104.

Tribologia

Piątkowska Anna (ITME), Romaniec Magdalena (ITME), Wójcik-Grzybek Danuta (ITME), Możdżonek Małgorzata (ITME), Rojek Anna (ITME), Diduszko Ryszard (ITME)

A study on antiwear properties of graphene water-based lubricant and its contact with metallic materials.nr 5 s.71-81

105.

Vacuum (**IF)**

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

Investigations of the thermo-mechanical stability of hybrid layers for tribological applications: Nitrided layer/CrCN coating system. **(Scopus)**
Vol.148 s.276-285

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

1.

Seminarium Zakładu Fizyki Kryształów-Uniwersytet Śląski, Katowice, Poland, 2018.01.25-2018.01.25

Wierzbicka Edyta (ITME)

Kryształy tlenkowe - granat terbowo-skandowo-glinowy $Tb_3Sc_2Al_3O_{12}$(TSAG) oraz glinian wapniowo-gadolinowy domieszkowany iterbem $CaGdAlO_4$ (CALGO) - ich otrzymywanie i realna struktura.

2.

Conference on Fiber Lasers XV - Technology and Systems, San Francisco, USA, 2018.01.29-2018.02.01

Pawliszewska M. (Wroclaw University of Science and Technology, Faculty of Electronics, Laser & Fiber Electronics Group, Wroclaw, Poland), Przewłoka Aleksandra (ITME), Sotor J. (Wroclaw University of Science and Technology, Faculty of Electronics, Laser & Fiber Electronics Group, Wroclaw, Poland)

Stretched-pulse Ho-doped fiber laser mode-locked by graphene based saturable absorber.

Proceedings of SPIE. 2018, Vol.10512, Article no UNSP 105121A

3.

WG2 Technical Meeting, Vienna, Austria, 2018.02.08-2018.02.09

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

Ytterbium doped phosphate fiber laser with nanostructured core.

Abstract. s.5, il., bibliogr.

4.

2nd International Conference on Catalysis and Chemical Engineering, Paris, France, 2018.02.19-2018.02.21

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

Eutectic photoanode for photoelectrochemical water splitting.

Abstract. 1 s., bibliogr.

5.

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

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

Abstract. 2 s., bibliogr.

6.

13the Conference on Integrated Optics - Sensor, Sensing Structures, and Methods, Szczyrk, Poland, 2018.02.26-2018.03.02

Wróbel J. (Military of University Technology, Institute of Applied Physics, Warsaw, Poland), Grodecki K. (Military of University Technology, Institute of Applied Physics, Warsaw, Poland), Benyahia D. (Military of University Technology, Institute of Applied Physics, Warsaw, Poland), Murawski K. (Military of University Technology, Institute of Applied Physics, Warsaw, Poland), Michalczewski K. (Military of University Technology, Institute of Applied Physics, Warsaw, Poland), Grzonka Justyna (ITME), Boguski J. (Military of University Technology, Institute of Applied Physics, Warsaw, Poland), Gorczyca K. (Military of University Technology, Institute of Applied Physics, Warsaw, Poland), Umana-Membreno G.A. (University of Western Australia, School of Electrical, Electronic & Computer Engneering, Crawley, Australia), Kubiszyn Ł. (VIGO System S.A., Ożarów Mazowiecki, Poland)

Structural and optical characterization of the high quality Be-doped InAs epitaxial layer grown on GaAs substrate.

Proceeding of SPIE. Vol.10830, no article UNSP 108300S; DOI: 10.1117/12.2503624

7.

semPiSC - XIV Seminarium Powierzchnia i Struktury Cienkowarstwowe, Szklarska Poręba, Polska, 2018.04.18-2018.04.20

Knyps Piotr (ITME), Dumiszewska Ewa (ITME), Kaszub Wawrzyniec (ITME)

Flexible multijunction solar cells.

Abstract. 1 s., il.

8.

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

InP nanowires grown without gold catalyst.

Abstract. 1 s.

9.

SPIE Photonic Europe 2018, Strasbourg, France, 2018.04.22-2018.04.26

Franczyk Marcin (ITME), Stępień Ryszard (ITME), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Buczyński Ryszard (ITME)

Nanostructured core single mode phosphate fiber laser with slope efficiency.

Proceedings SPIE. Vol.10681, Micro-Structured and Specialty Optical Fibers V.

10.

Ghosh A.N. (Institut FEMTO-ST, CNRS, Universite Bourgogne Franche-Comte, Besancon, France), Klimczak Mariusz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Dudley J.M. (Institut FEMTO-ST, CNRS, Universite Bourgogne Franche-Comte, Besancon, France), Sylvestre T. (Institut FEMTO-ST, CNRS, Universite Bourgogne Franche-Comte, Besancon, France)

Supercontinuum generation in a suspended core heavy metal oxide glass photonic crystal fibers.

Proc.SPIE 10681, Micro-Structured and Specialty Optical Fibers V, 10681U(9 may 2018); DOI: 10.1117/12.2306214

11.

Conference on Micro-Structured and Specialty Optical Fibers V, Strasbourg, Francja, 2018.04.25-2018.04.26

Curilla L. (Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovak Republic), Astrauskas I. (Photonics Institute, Vienna University of Technology, Vienna, Austria), Pugźlys A. (Photonics Institute, Vienna University of Technology, Vienna, Austria), Stajańca P. (Federal Institute for Materials Research and Testing, Berlin, Germany), Uherek F. (International Laser Centre, Bratislava, Slovak Republic), Pysz Dariusz (ITME), Baltuśka A. (Photonics Institute, Vienna University of Technology, Vienna, Austria), Bugar Ignac (ITME)

Towards ultrafast sub-nanojoule solitonic nonlinear directional coupler based on soft glass dual-core photonics crystal fibers.

Proceedigs of SPIE, vol.10681, no UNSP 10681I-1-6, il., bibliogr.

12.

Optical Manipulation Conference, Yokohama, Japonia, 2018.04.25-2018.04.27

Anuszkiewicz Alicja (ITME), Lisowska Jolanta (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Filipkowski Adam (ITME), Kasztelanic Rafał (ITME), Świtkowski K. (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Pysz Dariusz (ITME), Cimek Jarosław (ITME), Trippenbach M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Królikowski W. (Science Program, Texas A & M University at Qatar, Doha, Qatar), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland)

Optical properties of nanostructured gradient index vortex masks.

Procedings of SPIE, vol. 10712, no UNSP 1071217, 3 s., il., bibliogr.

13.

Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Poland), Anuszkiewicz Alicja (ITME), Stafiej Paulina (ITME) (Faculty of Physics, University of Warsaw, Poland), Lisowska Jolanta (ITME) (Faculty of Physics, University of Warsaw, Poland), Filipkowski Adam (ITME), Pysz Dariusz (ITME), Cimek Jarosław (ITME), Trippenbach M. (Faculty of Physics, University of Warsaw, Poland), Kasztelanic Rafał (ITME)

Development of nanostructured gradient index microlenses for mid infrared.

Proceedings SPIE, vol.10712, no UNSP 1071216, 2 s., il., bibliogr.

14.

Forum on Innovative Technologies and Measurement for Sustainability, Panevezys, Lithuania, 2018.04.27-2018.04.28

Nasiłowska B. (Military University of Technology, Institute of Optoelectronics, Warsaw, Poland), Bogdanowicz Z. (Military University of Technology, Faculty of Mechanical Engineering, Warsaw, Poland), Wojucki M. (Institute of Precusion Mechanics, Department of Protective Coatings, Warsaw, Poland), Bartosiewicz B. (Military University of Technology, Institute of Optoelectronics, Warsaw, Poland), Djas Małgorzata (ITME)

Corriosion protection for S235 JR steel with graphene oxide covering.

Abstract. s. 213-218, il., bibliogr.

15.

TechConnet World Conference and Expo, Anaheim, USA, 2018.05.13-2018.05.16

Grodzik M., Szczepaniak J., Strojny B., Jaworski S., Wierzbicki M., Jagiełło Joanna (ITME),

Soltan E., Mandat T.

Graphenoid plates in glioma therapy.

16.

5th International Conference on Rare Earth Materials, Wrocław, Poland, 2018.05.16-2018.05.18

Kozłowska Anna (ITME), Węglarz Helena (ITME), Gołębiewski Przemysław (ITME), Dereń P. (Institute of Low Temperatures and Structure Research, Wrocław, Poland)

Ceramic vs. ceramic-in-glass Ce:YAG phosphors for laser-driven white light sources.
Abstract. 1 s., il., bibliogr.

17.

Leśniewska-Matys Kamila (ITME), Szysiak Agnieszka (ITME), Węglarz Helena (ITME), Podniesiński Dariusz (ITME), Kozłowska Anna (ITME)

Optical properties of Co^{2+}:YAG ceramic saturable absorbers.
Abstract. 1 s. il., bibliogr.

18.

XIV International Workshop Nonlinear Optics Applications, Wrocław, Poland, 2018.05.23-2018.05.26

Dobrakowski Dominik (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Rampur Anupamaa (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Anuszkiewicz Alicja (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Lisowska Jolanta (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Pysz Dariusz (ITME), Kasztelanic Rafał (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Klimczak Mariusz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Development of highly nonlinear polarization maintaining fibers with normal dispersion across transmission window.
Abstract. 1 s., il.,bibliogr.

19.

Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments, Wilga, Poland, 2018.06.03-2018.06.10

Lepak S. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Taborowska P. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Boncel S. (Silesian University of Technology, Gliwice, Poland), Jóźwik Iwona (ITME), Jakubowska M. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland), Lekawa-Raus A. (Faculty of Mechatronics Warsaw University of Technology, Warsaw, Poland)

Carbon nanotube fibers doped with iron via Fenton reaction.
Proceedings of SPIE. Vol.10808, article number:1080841, pp.1080841-1-8

20.

International Conference 7 Exhibition, Poznań, Poland, 2018.06.06-2018.06.09

Djas Małgorzata (ITME), Kowiorski Krystian (ITME), Lipińska Ludwika (ITME)

Flake graphene layers on polymer substrate for use in silicon solar cells.
Abstract.1 s., il.

21.

Nano Tech Poland 2018/International Conference& Exhibition, Poznań, Poland, 2018.06.06-2018.06.09

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

The influence of different sterilization methods on the graphene oxide structure.

22.

CIMTEC 2018/8th Forum on New Materials, Perugia, Italy, 2018.06.10-2018.06.14

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

Oxide ceramics toughened by the addition of graphene flakes.

Abstract. 1 s.

23.

Joint 19th International Heat Pipe Conference and 13th International Heat Pipe Symposium, Pisa, Italy, 2018.06.10-2018.06.14

Wlaźlak A. (Wroclaw University of Science and Technology, Wroclaw, Poland), Zajączkowski B. (Wroclaw University of Science and Technology, Wroclaw, Poland), Woluntarski Michał (ITME), Buschmann M.H. (Institut fur Luft - und Kaltetechnik, Dresden, Germany)

Impact of graphene oxide addition to the working fluid on thermal behavior of the thermosyphon.

Abstract. 8 s., il., bibliogr.

24.

IEEE MTT-S International Microwave Symposium, Philadelphia, USA, 2018.06.10-2018.06.15

Fadil D. (CNRS, UMR8520, Villeneuve Dascq, France), Wei W. (CNRS, UMR8520, Villeneuve Dascq, France), Deng M. (Univ. Bordeaux, CNRS, UMR 5218, IMS Lab, Talence, France), Fregonese S. (Univ. Bordeaux, CNRS, UMR 5218, IMS Lab, Talence, France), Strupiński Włodzimierz (ITME), Pallecchi E. (CNRS, UMR8520, Villeneuve Dascq, France), Happy H. (CNRS, UMR8520, Villeneuve Dascq, France)

2D-graphene epitaxy on SiC for RF application: Fabrication, electrical characterization and noise performance.

Book series: IEEE MTT-S International Microwave Symposium, s.228-231

25.

XII Ogólnopolskie Seminarium Spektroskopii Mossbauerowskiej, Goniądz, Polska, 2018.06.17-2018.06.20

Grabias Agnieszka (ITME), Oleszak D. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Rygier T. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Pękała M. (Department of Chemistry, University of Warsaw, Warsaw, Poland)

Mechanical alloying of CoCrFeMnNi high-entropy alloys.

Abstrakt. 1 s., il.

26.

Brain Tumors 2018: From Biology to Therapy, Warszawa, Poland, 2018.06.21-2018.06.23

Szczepaniak J., Grodzik M., Strojny B., Jaworski S., Sosnowska M., Bałaban J., Wirzbicki M., Winnicka A., Witkowska-Piłaszewicz O., Jagiełło Joanna (ITME), Szmidt M.

Influence of reduced Graphene oxides (rGO) on vualibity, cell cycle and apotosis in glioblastoma multiforme in vitro.

27.

International Conference on Extended Defects in Semiconductors, Thessaloniki, Greece, 2018.06.24-2018.06.29

Ratajczak R. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Guziewicz E. (Instytute of Physics, Polish Academy of Sciences, Warsaw, Poland), Prucnal S. (Helmholtz Zentrum Dresden - Rossendorf, Bautzner LandStrafle, Dresden, Germany), Krajewski T. (Instytute of Physics, Polish Academy of Sciences, Warsaw, Poland), Wozniak W. (Instytute of Physics, Polish Academy of Sciences, Warsaw, Poland), Luka G. (Instytute of Physics, Polish Academy of Sciences, Warsaw, Poland), Bottger R. (Helmholtz Zentrum Dresden - Rossendorf, Bautzner LandStrafle, Dresden, Germany), Heller R. (Helmholtz Zentrum Dresden - Rossendorf, Bautzner LandStrafle, Dresden, Germany), Mieszczyński C. (National Centre for Nuclear Research, Otwock-Świerk, Poland), Turos Andrzej (ITME) (National Centre for Nuclear Research, Otwock-Świerk, Poland)

Defect induced luminescence phenomenon in annealed ALD-ZnO films implanted with different rare earth ions.

Book of abstracts. s.109

28.

Jóźwik Iwona (ITME), Barcz A. (Institute of Electron Technology/Institute of Physics PAS, Warsaw, Poland), Dumiszewska Ewa (ITME), Dąbrowska Elżbieta (ITME)

Ion-irradiated damage visualization by means of Low-KV Scanning Electron Microscopy.

Book of abstracts. s.83, il.

29.

GRAPHENE 2018, Dresden, Germany, 2018.06.26-2018.06.29

Jagiełło Joanna (ITME), Woluntarski Michał (ITME), Winkowska Magdalena (ITME), Baran Magdalena (ITME), Lipińska Ludwika (ITME)

Changes in the graphene oxide structure after different sterilization processes.

Abstract. 1 s., il., bibliogr.

30.

60 Konwersatorium Krystalograficzne, Wrocław, Polska, 2018.06.28-2018.06.29

Diduszko Ryszard (ITME) (Instytut Tele- i Radiotechniczny, Warszawa, Polska), Rymarczyk J. (Instytut Tele- i Radiotechniczny, Warszawa, Polska), Kozłowski M. (Instytut Tele- i Radiotechniczny, Warszawa, Polska)

Nanoziarna palladu w matrycy węglowej - sposoby wytwarzania sensorowych warstw Pd-C.

Abstract. 1 s.

31.

12th European Magnetic Sensor and Actuators Conference, Ateny, Grecja, 2018.07.01-2018.07.04

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

Quasi-free-standing bilayer graphene Hall-effect sensor.

Abstract. 4 s., il., bibliogr.

32.

20th Anniversary International Conference on Transparent Optical Networks, Bucharest, Romania, 2018.07.01-2018.07.05

Stefaniuk Tomasz (ITME) (Faculty of Physics, University of Warsaw, Poland)

2-level hierarchical metamaterials obtained using segregation process and nanostructurization.

Abstract. We.A4.4, 1 s.

33.

Hoang Van Thuy (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kasztelanic Rafał (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Anuszkiewicz Alicja (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Filipkowski Adam (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Ertman S. (Faculty of Physics, Warsaw University of Technology, Warsaw, Poland), Long V.C. (University of Zielona Gora, Institute of Physics, Zielona Gora, Poland), Xuan K.D. (Vinh University, Department of Physics, Vinh City, Vietnam), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Dispersion measurement of photonic crystal fiber infiltrated with toluene.

Abstract. Tu.P.11, 2 s., il., bibliogr.

34.

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

Structured light in optical components with arbitrary index distribution.

Abstract. We.B5.4, 1 s.

35.

Bugar Ignac (ITME) (Department of Geophysics, Faculty of Physics, University of Warsaw, Warsaw, Poland), Longobucco Mattia (ITME), Cimek Jarosław (ITME) (Department of Geophysics, Faculty of Physics, University of Warsaw, Warsaw, Poland), Curilla L.

(Optics11, Amsterdam, Netherlands), Pysz Dariusz (ITME), Buczyński Ryszard (ITME) (Department of Geophysics, Faculty of Physics, University of Warsaw, Warsaw, Poland)
Ultrafast all-optical switching using all-solid dual-core photonic crystal fiber.
Abstract. Tu.A6.2, 4 s., il., bibliogr./IEEE Explore

36.

37th International Conference on Thermoelectrics/16th European Conference on Thermoelectrics, Caen, France, 2018.07.01-2018.07.05

Kaszyca Kamil (ITME), Schmidt Maksymilian (ITME), Kruszewski M. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Zieliński R. (Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland), Leszczyński J. (AGH University of Science and Technology, Krakow, Poland), Ciupiński Ł. (University Research Center "Functional Materials", Warsaw University of Technology, Warsaw, Poland), Pietrzak Katarzyna (ITME), Zybała Rafał (ITME)

Innovative segmented thermoelectric module for energy generation.
Materiały konferencyjne. P.32, 1 s.

37.

Zybała Rafał (ITME) (University Research Center, "Functional Materials", Warsaw University of Technology, Warsaw, Poland), Kaszyca Kamil (ITME), Schmidt Maksymilian (ITME), Zieliński R. (Faculty of Materials Science and Engineering, Warsaw, University of Technology, Warsaw, Poland), Rudzki K. (Faculty of Architecture, Warsaw University of Technology, Warsaw, Poland), Kruszewski M. (Faculty of Materials Science and Engineering, Warsaw, University of Technology, Warsaw, Poland), Pietrzak Katarzyna (ITME), Ciupiński Ł. (University Research Center, "Functional Materials", Warsaw University of Technology, Warsaw, Poland)

Prototypical thermoelectric generator TEG for waste heat conversion from biogas-fired burner.
Abstract. 1 s.

38.

11th International Conference on Nanophotonics, Wrocław, Poland, 2018.07.02-2018.07.06

Kozłowska Anna (ITME), Węglarz Helena (ITME), Gołębiewski Przemysław (ITME), Jaglarz J. (Cracow University of Technology, Institute of Materials Engineering, Kraków, Poland)

Scattering effects in composite YAG:Ce-Al_2O_3 and dual layer YAG:Ce/YAG-Al_2O_3 ceramic phosphors.
Abstract. 1 s., il., bibliogr.

39.

OSA Siegman International Summer School on Laser, Sankt Ibb, Island of Ven, Szwecja, 2018.07.28-2018.08.04

Dobrakowski Dominik (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Rampur Anupamaa (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Anuszkiewicz Alicja (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Lisowska Jolanta (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Pysz Dariusz (ITME), Kasztelanic Rafał (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Klimczak Mariusz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Development of highly nonlinear polarization maintaining fibers with normal dispersion across entire transmission window.
Abstract. 1 s. il., bibliogr.

40.
Rampur Anupamaa (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Ciąćka Piotr (ITME), Cimek Jarosław (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kasztelanic Rafał (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Klimczak Mariusz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Far-detuned parametric conversion in suspended core soft glass fiber by picosecond pumping.
Abstract. 1 s. il., bibliogr.

41.
International Symposium on Growth of III-Nitrides, Warszawa, Poland, 2018.08.05-2018.08.10
Baranowski Jacek (ITME), Caban Piotr (ITME), Michałowski Paweł (ITME), Gaca Jarosław (ITME), Wójcik Marek (ITME), Ciepielewski Paweł (ITME)

MOCVD of boron nitride films on sapphire.
Book of abstracts. Th8.1, 1 s., bibliogr.

42.
Michałowski Paweł (ITME), Złotnik Sebastian (ITME), Sitek Jakub (ITME), Rudziński Mariusz (ITME)
Oxygen-induced high diffusion rate ofmagnesium dopant inGaN/AlGaN based UV LED heterostruktures.
Book of abstracts. Mon4.6, s.1, il.

43.
Oliva R. (Department of Experimental Physics, Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology, Wrocław, Poland), Zelewski S.J. (Department of Experimental Physics, Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology, Wrocław, Poland), Janicki Ł. (Department of Experimental Physics, Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology, Wrocław, Poland), Gwóźdź K.R. (Department of Quantum Technologies, Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology, Wrocław, Poland), Serafińczuk J. (Faculty of Microsystem Electronics and Photonics, Wrocław University of Science and Technology, Wrocław, Poland), Rudziński Mariusz (ITME), Ozbay E. (Nanotechnology Research Centr, Bilkent University, Bilkent, Turkey), Kudrawiec R. (Department of Experimental Physics, Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology, Wrocław, Poland)

InGaN band gap compositional dependence determined by means of photoacoustic spectroscopy.
Book of abstracts. Po02, 1 s., bibliogr.

44.
Złotnik Sebastian (ITME), Rosiński Krzysztof (ITME), Sitek Jakub (ITME), Michałowski Paweł (ITME), Rudziński Mariusz

Alternative growth approaches of p-type doped AlGaN epitaxial structures.
Book of abstracts. Fr4.2, 1 s., bibliogr.

45.
Kierdaszuk J. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Tokarczyk M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Czajkowski K.M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Krajewska Aleksandra (ITME) (Institute of Optoelectronics, Military University of Technology, Warsaw, Poland), Zytkiewicz Z.R. (Institute of Physics, Polish Academy of Sciences, Warsaw, Poland), Kowalski G. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Antosiewicz T.J. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Kamińska M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Wysmołek A. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Drabińska A. (Faculty of Physics, University of Warsaw, Warsaw, Poland)

Surface-enhanced Raman scattering in graphene induced by AlxGa1-xN/GaN axial heterostructure nanowire substrate.
Book of abstracts.Th6.6, s.1, il., bibliogr

46.
8th EPS-QEOD Europhoton Conference Europhoton 2018, Barcelona, Hiszpania, 2018.09.02-2018.09.07
Dobrakowski Dominik (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Rampur Anupamaa (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Anuszkiewicz Alicja (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Lisowska Jolanta (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Pysz Dariusz (ITME), Kasztelanic Rafał (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Klimczak Mariusz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Development of highly nonlinear polarization maintaining fibers with normal dispersion across entire transmission window.
Abstract. 1 s., il., bibliogr.

47.
Rampur Anupamaa (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Ciąćka Piotr (ITME), Cimek Jarosław (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Kasztelanic Rafał (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Klimczak Mariusz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)

Far-detuned parametric conversion in suspended core soft glass fiber by picosecond pumping.
Abstract. 1 s., il., bibliogr.

48.
The 21st Czech-Polish-Slovak Optical Conference Wave and Quantum Aspects of Contemporary Optics, Lednice, Czech Republic, 2018.09.03-2018.09.07
Anuszkiewicz Alicja (ITME), Kasztelanic Rafał (ITME), Filipkowski Adam (ITME), Stępniewski Grzegorz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland),

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

Development of nanostructures core optical fibers.

Abstarct. 1 s.

49.

Bugar Ignac (ITME) (International Laser Centre, Bratislava, Slovak Republic), Stajanća P. (Federal Institute of Materials Research and Testing, Berlin, Germany), Ćurilla L. (Department of Exper.Physics, FMPhl Comenius University, Bratislava, Slovak Republic), Longobucco Mattia (ITME), Pysz Dariusz (ITME), Uherek F. (International Laser Centre, Bratislava, Slovak Republic), Baltuśka A. (Photonics Institute, Vienna University of Technology, Vienna, Austria), Buczyński Ryszard (ITME)

Ultrafast all-optical switching using dual-core photonic crystal fibers.

Abstract. 1 s.

50.

X Jubileuszowa Międzynarodowa Konferencja Naukowo-Techniczna Polska Ceramika, Kraków, Polska, 2018.09.09-2018.09.12

Szysiak Agnieszka (ITME), Węglarz Helena (ITME), Leśniewska-Matys Kamila (ITME), Podniesiński Dariusz (ITME)

Preparation of transparent coblat-dopedyttrium aluminiumgarnet (Co:YAG) ceramics with the aid of freezegranulation.

Abstract. 1 s.

51.

ESB-European Society for Biomaterials, Annual Congress, Maastricht, Netherlands, 2018.09.09-2018.09.13

Domalik-Pyzik P. (AGH University of Science and Technology, Kraków, Poland), Sekuła M. (Małopolska Centre of Biotechnology, Jagiellonian University, Poland), Kosowska K. (AGH University of Science and Technology, Kraków, Poland), Hunger M. (AGH University of Science and Technology, Kraków, Poland), Jagiełło Joanna (ITME), Noga S. (Department of Cell Biology, Jagiellonian University, Poland), Lipińska Ludwika (ITME), Zuba-Surma E. (Małopolska Centre of Biotechnology, Department of Cell Biology, Jagiellonian Uni, Poland), Chłopek J. (AGH University of Science and Technology, Kraków, Poland)

Novel polysaccharide/graphene family materials/hydroxyapatite composite hydrogels as scaffolds for bone and cartilage engineering.

Abstract. 1 s., bibliogr.

52.

Graphene Week 2018, San Sebastian, Spain, 2018.09.10-2018.09.14

Caban Piotr (ITME), Michałowski Paweł (ITME), Możdżonek Małgorzata (ITME), Gaca Jarosław (ITME), Wójcik Marek (ITME), Ciepielewski Paweł (ITME), Firek P. (Warsaw University of Technology), Wlasny I. (University of Warsaw), Baranowski Jacek (ITME)

Boron nitride epilayers grown on AlOxNy buffer layer.

Abstract. 1 s.

53.
Ciepielewski Paweł (ITME), Kowalski G. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Tokarczyk M. (Faculty of Physics, University of Warsaw, Warsaw, Poland), Jóźwik Iwona (ITME), Grzonka Justyna (ITME), Tymicki Emil (ITME), Gawlik Grzegorz (ITME), Węglarz Helena (ITME)
Knock, knock. Graphene, are you there?.
Abstract. 1 s., il., bibliogr.

54.
Knyps Piotr (ITME), Caban Piotr (ITME), Ciepielewski Paweł (ITME), Dumiszewska Ewa (ITME), Baranowski Jacek (ITME)
Large area monolayer MoS2 grown by CVD process using H2S.
Abstract. 1 ., il., bibliogr.

55.
SIMS Europe 2018, Munster, Germany, 2018.09.16-2018.09.19
Chodorow U. (Military University of Technology, Poland), Michałowski Paweł (ITME), Michalczewski K. (Military University of Technology, Poland; VIGO SYSTEM S.A., Poland), Martyniuk P. (Military University of Technology, Poland)
SIMS measurements of InAs/InAsSb type II superlattice.
Abstract. 1 s.

56.
Michałowski Paweł (ITME), Caban Piotr (ITME), Baranowski Jacek (ITME)
3D imaging of boron nitride films with atomic depth resolution.
Abstract. 1 s.

57.
IV Krajowa Konferencja "Grafen i inne materiały 2D"/4th Polish Conference "Graphene and 2D materials", Szczecin, Polska, 2018.09.24-2018.09.26
Kowalczyk D.A. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Krukowski P. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Rogala M. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Dąbrowski P. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Ciepielewski Paweł (ITME), Caban Piotr (ITME), Baranowski Jacek (ITME), Klusek Z. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki)
Badania układów hybrydowych grafen-tlenek metalu przejściowego w zastosowaniu do elastycznej elektroniki organicznej.
Materiały konferencyjne. s.21, bibliogr.

58.
Paszkiewicz S. (Instytut Inżynierii Materiałowej, Zachodniopomorski Uniwersytet Technologiczny w Szczecinie, Szczecin), Janowska I. (Institute of Chemical and Processes for Energy, Environmental and Health (ICPEES), CNRS and University of Strasbourg, France), Pawlikowska D. (Instytut Inżynierii Materiałowej, Zachodniopomorski Uniwersytet Technologiczny w Szczecinie, Szczecin), Irska I. (Instytut Inżynierii Materiałowej, Zachodniopomorski Uniwersytet Technologiczny w Szczecinie, Szczecin), Szymczyk A. (Instytut Fizyki, Zachodniopomorski Uniwersytet Technologiczny w Szczecinie, Szczecin), Kurcz Magdalena (ITME), Piesowicz E. (Instytut Inżynierii Materiałowej, Zachodniopomorski Uniwersytet Technologiczny w Szczecinie, Szczecin)

Nanokompozyty polimerowe na bazie wybranych poliestrów termoplastycznych z dodatkiem wielopłytkowego grafenu otrzymane metodą polimeryzacji in situ.
Materiały konferencyjne. s.29

59.
Dąbrowski P. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Materna Andrzej (ITME), Rogala M. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Krukowski P. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Busiakiewicz A. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Kozłowski W. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Kowalczyk P.J. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Lutsyk I. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Kowalczyk D.A. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki), Kopciuszyński M. (Uniwersytet Marii Curie-Skłodowskiej, Lublin), Jałochowski M. (Uniwersytet Marii Curie-Skłodowskiej, Lublin), Klusek Z. (Wydział Fizyki i Informatyki Stosowanej, Uniwersytet Łódzki)

Własności elektronowe hybrydowych materiałów Diraca na przykładzie układu grafen/$Bi2Se_3$.
Materiały konferencyjne. s.15, il.

60.
XII Sympozjum Techniki Laserowej 2018, Jastarnia, Polska, 2018.09.25-2018.09.27
Maląg Andrzej (ITME), Teodorczyk Marian (ITME), Dąbrowska Elżbieta (ITME), Sobczak Grzegorz (Instytut Techniki Elektronowej, Warszawa, Polska)

Emitted beam stabilization in junction plane by lateral periodic structure in laser diodes emitting at 980 nm.
Proceedings SPIE. 10974, Laser Technology 2018: Progress and Applications of Lasers, 1097404, doi:10.1117/12.2516448

61.
27th Annual Conference Biomaterials in Medicine and Veterinary Medicine, Rytro, Poland, 2018.10.11-2018.10.14
Sekuła M. (Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, Poland), Domalik-Pyzik P. (Department of Biomaterials and Composites, Faculty of Materials Science and Ceramics, AGH University Science and Technology, Krakow, Poland), Noga S. (Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, Poland; Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Karnas E. (Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, Poland; Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Kosowska K. (Department of Biomaterials and Composites, Faculty of Materials Science and Ceramics, AGH University Science and Technology, Krakow, Poland), Hunger M. (Department of Biomaterials and Composites, Faculty of Materials Science and Ceramics, AGH University Science and Technology, Krakow, Poland), Złocista-Szewczyk N. (Department of Biomaterials and Composites, Faculty of Materials Science and Ceramics, AGH University Science and Technology, Krakow, Poland), Jagiełło Joanna (ITME), Lipińska Ludwika (ITME), Pielichowska K. (Department of Biomaterials and Composites, Faculty of Materials Science and Ceramics, AGH University Science and Technology, Krakow, Poland), Chłopek J. (Department of Biomaterials and Composites, Faculty of Materials Science and Ceramics, AGH University Science and Technology, Krakow, Poland), Zuba-Surma E. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland)

Application of polymer and graphene based materials in biomedical research.
Abstract. 1 s., bibliogr.

62.
Noga S. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Moździerz A. (Department of Cell Biology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland), Sekuła M. (Malopolska Centre of Biotechnology, Jagiellonian University. Krakow, Poland), Karnas E. (Malopolska Centre of Biotechnology, Jagiellonian University. Krakow, Poland), Jagiełło Joanna (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)
The impact of unmodified graphene - based substrates on basic properties of human umbilical cord-derived mesenchymal stem cells in vitro.
Abstract. 1 s., bibliogr.

63.
Lipińska Ludwika (ITME), Jagiełło Joanna (ITME), Baran Magdalena (ITME), Krup Katarzyna (ITME)
Applications of flake graphene in tissue engineering.
Abstract. 1 s., il., bibliogr.

64.
Jagiełło Joanna (ITME), Baran Magdalena (ITME), Lipińska Ludwika (ITME)
Modification of graphene oxide and reduced graphene oxide with inorganic nanoparticles.
Abstract. 1 s., il., bibliogr.

65.
APC2018, Hangzhou, Chiny, 2018.10.21-2018.10.31
Buczyński Ryszard (ITME), Anuszkiewicz Alicja (ITME), Franczyk Marcin (ITME), Pysz Dariusz (ITME), Stefaniuk Tomasz (ITME), Kasztelanic Rafał (ITME)
Development of optical fibers with free-from nanostructured cores.
Abstract. 1 s.

66.
COST Annual Conference (MP1401), Warszawa, Polska, 2018.10.24-2018.10.26
Franczyk Marcin (ITME), Pysz Dariusz (ITME), Markowski K. (Warsaw University of Technology, Faculty of Electronics Physics, Warsaw, Poland), Lisowska Jolanta (ITME), Anuszkiewicz Alicja (ITME), Stefaniuk Tomasz (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland), Filipkowski Adam (ITME), Jędrzejewski K. (Warsaw University of Technology, Faculty of Electronics Physics, Warsaw, Poland), Osuch T. (Warsaw University of Technology, Faculty of Electronics Physics, Warsaw, Poland), Buczyński Ryszard (ITME) (University of Warsaw, Faculty of Physics, Warsaw, Poland)
UV inscribed Bragg grating on ytterbium and germanium doped nanostructured core silica fiber for laser applications.
Abstract. 1 s., bibliogr.

67.

IV Konferencja Optoelektroniczna, Jachranka-Serock, Polska, 2018.11.14-2018.11.15

Kozłowska Anna (ITME), Węglarz Helena (ITME), Gołębiewski Przemysław (ITME), Leśniewska-Matys Kamila (ITME), Krzyżak Konrad (ITME)

Pobudzane laserowo źródła światła białego.

Abstrakt. 1 s.

68.

XII Konferencja Naukowo-Techniczna Systemy Rozpoznania i Walki Radioelektronicznej, Ołtarzew, Polska, 2018.11.19-2018.11.21

Suproniuk M. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Systemów Elektronicznych, Warszawa), Kamiński Paweł (ITME), Kozłowski Roman (ITME), Teodorczyk Marian (ITME), Mirowska Aleksandra (ITME), Majda-Zdancewicz E. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Telekomunikacji, Warszawa), Wierzbowski M. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Telekomunikacji, Warszawa), Piwowarski K. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Telekomunikacji, Warszawa), Paziewski P. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Telekomunikacji, Warszawa)

Semi-insulating GaP as a material for manufacturing photoconductive semiconductor switches.

SPIE Conference Proceedings-XII Konferencja naukowo-techniczna "Systemy Rozpoznania i Walki Radioelektronicznej". s.1-15, il., bibliogr.

69.

Suproniuk M. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Telekomunikacji, Warszawa), Kamiński Paweł (ITME), Kozłowski Roman (ITME), Teodorczyk Marian (ITME), Mirowska Aleksandra (ITME), Majda-Zdancewicz E. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Telekomunikacji, Warszawa), Piwowarski K. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Telekomunikacji, Warszawa), Wierzbowski M. (Wojskowa Akademia Techniczna, Wydział Elektroniki, Instytut Telekomunikacji, Warszawa)

Zastosowanie półizolującego GaP do wytwarzania półprzewodnikowych łączników fotokonduktancyjnych.

Abstrakt. 2 s.

70.

18th Conference on Optical Fibers and Their Applications/XVIII Konferencja Światłowody i ich zastosowanie, Nałęczów, Poland, 2018.11.20-2018.11.23

Dobrakowski Dominik (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Stępniewski Grzegorz (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Kasztelanic Rafał (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Klimczak Mariusz (ITME)

Numerical study on highly birefringent, highly nonlinear all-normal dispersion photonic crystal fibers with artificially anisotropic core.

Abstract. 1 s., bibliogr.

71.

XVIII Konferencja "Światłowody i ich zastosowania" TAL2018, Lublin/Nałęczów, Polska, 2018.11.20-2018.11.23

Lisowska Jolanta (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Anuszkiewicz Alicja (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Filipkowski Adam (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Kasztelanic Rafał (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland), Królikowski W. (Science Program, Texas A&M University at Qatar, Doha, Qatar; Laser Physics Centre, Research School of Physics and Engineering, Australian National University, Canberra, Australia), Buczyński Ryszard (ITME) (Faculty of Physics, University of Warsaw, Warsaw, Poland)

Numerical analysis of OAM generation with nanostructured phase masks.

Abstract.1 s.,bibliogr.

72.

The 2nd International Symposium on SiC Materials and Devices 2018, Busan, Korea Południowa, 2018.11.29-2018.11.30

Kaszub Wawrzyniec (ITME), Ciuk Tymoteusz (ITME), Kościewicz Kinga (ITME), Michałowski Paweł (ITME), Dobrowolski Artur (ITME), Jagiełło Jakub (ITME), Ciepielewski Paweł (ITME), Teklińska Dominika (ITME), Możdżonek Małgorzata (ITME), Kamiński Paweł (ITME)

Spectroscopic studies of charge carrier concentration in homo-epitaxial SiC.

Abstract. TS2, s.116-117, bibliogr.

73.

Ciuk Tymoteusz (ITME), Kaszub Wawrzyniec (ITME), Kościewicz Kinga (ITME), Michałowski Paweł (ITME), Dobrowolski Artur (ITME), Jagiełło Jakub (ITME), Ciepielewski Paweł (ITME), Teklińska Dominika (ITME), Możdżonek Małgorzata (ITME), Kamiński Paweł (ITME)

Silicon carbon epitaxy for energy efficient devices.

Abstract. PS3, s.45-46, bibliogr.