

CONTENTS

2022, Vol. 15, No 1

Gnatyuk V., Maslyanchuk O., Strebezhev V., Fodchuk I., Solovan M., Sorokatyi M., Boledzyuk I., Kuzmin A., Laser-Induced Modification of the Morphology and Defect Structure of Heterostructures Based on Detector-Grade CdTe Crystals.....	01001(6)
Kaminskii V.M., Kovalyuk Z.D., Boledzyuk V.B., Savitskii P.I., Ivanov V.I., Tovarnitskii M.V., Electrical Conductivity of Composite Materials Based on <i>n</i> -InSe and Thermally Expanded Graphite.....	01002(4)
Manglik M., Reliability and Availability Analysis of Lithium-Ion Batteries under Multiple Failures.....	01003(5)
Piltyay S.I., Bulashenko A.V., Savenchuk T.V., Bulashenko O.V., Zabegalov I.V., Three-Stepped Septum Waveguide Polarizer in the Operating Frequency Band 7.7-8.1 GHz.....	01004(5)
Brajpuriya R., A Comparative Study of the Structural and Magnetic Properties of Arc-Melted and Ball-Milled Fe _{1-x} Al _x Alloys	01005(5)
Semenov A.O., Martyniuk V.V., Evseeva M.V., Osadchuk O.V., Osadchuk I.O., The Influence of Physical Quantities on Electrical Parameters of Heterometallic μ -Methoxy (Copper (II), Bismuth (III)) Acetylacetonate	01006(5)
Hnatenko O.S., Afanasieva O.V., Lalazarova N.O., Kurskoy Yu.S., Odarenko E.N., Sashkova Y.V., Ivanchenko O.V., New Technologies of Laser Hardening of Parts of Fuel Equipment.....	01007(7)
Tayoub H., Hocini A., Harhouz A., High-Performance Two-Dimensional Photonic Crystal Biosensor to Diagnose Malaria Infected RBCs.....	01008(6)
Beddiaf A., Lanani A., Kerrou F., Numerical Investigation Including Mobility Model for the Performances of Piezoresistive Sensors	01009(4)
Shuaibov O.K., Mynia O.Y., Malinin O.M., Hrytsak R.V., Malinina A.O., Pogodin A.I., Homoki Z.T., Synthesis of Thin Films Based on Silver Sulfide in Air at Atmospheric Pressure in a Gas Discharge	01010(6)
Botsula O.V., Zozulia V.O., Prykhodko K.H., Planar <i>n</i> ⁺ - <i>n</i> - <i>n</i> ⁺ Diode with Active Side Boundary on InP Substrate.....	01011(4)
Bhatia K.G., Gajjar P.N., Lattice Dynamics and Lattice Mechanical Properties of Gold and Silver Using Parameter Free Pseudopotential.....	01012(5)
Loskutova T.V., Pohrebova I.S., Kotlyar S.M., Bobina M.M., Kaplii D.A., Kharchenko N.A., Hovorun T.P., Physical and Technological Parameters of Cr28 Steel Nitriding in an Ammonia Environment.....	01013(4)
Koval A.O., Optical Absorption of a Composite Based on Two-Layer Nanowires	01014(6)
Sonawane A.U., Sonawane B.K., Influence of Annealing Temperature on the Structural and Optical Properties of Telluri-um-Doped ZnO Thin Films for Optoelectronic Applications...01015(5)	
Nair N., Jani S., Brajpuriya R., Magnetic Nanoparticles as Controlling Agents of Chain Structures in a Rotating Magnetic Field.....	01016(6)

Bhattacharya S., Vijaya B., Das S., Das D., Analysis of Power Supply Voltage Drop (IR-Drop) and Propagation Delay Using Folded Graphene Nano Ribbon Interconnect (F-GNR) Interconnect.....	01017(5)
Achour Y., Benkrima Y., Lefkaier I., Belfennache D., Structural and Electronic Properties of FeNi ₃ and FeNi ₂ Pt Alloys.....	01018(5)
Karboua H, Dahraoui N., Boulakroune M., Fortaki T., Effects of Boron Diffusion on Titanium Silicide Formation	01019(5)
Elbar M., Tobbeche S., Chala S., Saidani O., Kateb M.N., Serdouk M.R., Effect of Temperature on the Performance of CGS/CIGS Tandem Solar Cell.....	01020(6)
Zikrillaev N.F., Kushiev G.A., Isamov S.B., Abdurakhmanov B.A., Tursunov O.B., Photovoltaic Properties of Silicon Doped with Manganese and Germanium.....	01021(4)
Rebai B., Mansouri K., Chitour M., Berkia A., Messas T., Khadraoui F., Litouche B., Effect of Idealization Models on Deflection of Functionally Graded Material (FGM) Plate .	01022(5)
Hebali M., Bennaoum M., Azzeddine H.A. , Ibari B., Maachou A., Chalabi D., Improving the Electrical Properties of ITO/Si/GaAs/Si/ITO Solar Cell by Changing the GaAs Layer Position.....	01023(4)
Bagade P.R., Pawar A.J., Kamat R.K., Shinde S.A., Modeling and Optimization of CMOS Compatible Various ZnO/SiO ₂ /Si Multilayer Structure for SAW Devices Using FEM.....	01024(6)
Kiouach F., Ghzaoui M. El, Varakumari S., Alami R. El, Das S., A Low-profile Wideband Two Ports MIMO Antenna Working at 38 GHz for mm-wave 5G Applications.....	01025(5)
Tarik El Arrouch, Idrissi N. El A. El, Kumutha D., Jeevitha S., Das S., A Compact Multi-resonant Wide Band MIMO Antenna for 5G Communication Systems at mm-wave Band.....	01026(6)
Elalaouy O., Varakumari S., Ghzaoui M. El, Foshi J., Das S., A Compact Two-port MIMO Array Antenna for ISM/5G NR/WLAN Band Applications	01027(5)
Douhi S., Prasad G.R.K., Eddiai A., Cherkaoui O., Mazroui M., Das S., A Miniaturized Wearable Textile UWB Monopole Antenna for RF Energy Harvesting.....	01028(6)
Shyshko N.S., Shabelnyk Yu.M., Kolesnichenko Yu.A., Shkurdoda Yu.O., Pronoza A.O., Chornous A.M., Dekhtyaruk L.V., Justification of the Giant Magnetoresistance Effect in Co/Cu/Co and Fe/Cr/Fe Magneto-Ordered Three-Layer Structures by Using the Fuchs Formula	01029(5)
Kolomoets A.G., Dielectric Properties of the Low-temperature Phase Transitions in Divalent Nitrates.....	01030(3)
Персоналії. Проценко Іван Юхимович	01031(1)
Information for authors.....	I-1