

CONTENTS

2024, Vol. 16, No 3

- Khrypunov G.S., Harchenko M.M., Meriuts A.V., Carlin J.F., Makhrai V.A., Herashchenko S.S., Abashin S.L., Surovitskiy S.V., Pudov A.O., Dobrozhany A.I.,** Influence of Microsecond Pulse Helium Plasma Flow on the Surface Morphology and Crystal Structure of the Photovoltaic Converters Based on CdS/CdTe03001(8)
- Moulay M., Abri M., Berka M., Islam T., Das S., Prasad Ch.R.,** Investigation of Complementary Metamaterial Resonators-Based Novel Dual-Band Coplanar Slotted Antenna for Wireless Communication03002(5)
- Kushiev G.A., Isakov B.O., Mukhammadjonov U.X.,** The Prospects of Obtaining a New Material with a Hetero-Baric Structure $Ge_xSi_{1-x}Si$ Based on Silicon for Photo Energy Applications03003(4)
- Stepanyuk A.N., Balabai R.M.,** Controlling by Defects of Switching of ZnO Nanowire Array Surfaces from Hydrophobic to Hydrophilic: First-Principles Calculations03004(5)
- Serhane A., Berka M., Islam T., Das S., Kumar M.L., Mahdjoub Z.,** A Miniaturized Metamaterial Resonator-based Microwave Biosensor with High Quality Factor for Solid Materials Characterization03005(5)
- Meskini N., Aghoutane B., Bezzout H., Faylali H. El, Prasad Ch R., Ghzaoui M. El,** Advanced 2×1 MIMO Antenna Design for 5G Wireless Communications with Equivalent Circuit Integration03006(5)
- Kumutha D., Devi R.D.H., Priya C., Jeyabharathi M., Alagarsamy M.,** Integration of Binary Subcarrier Search with Hilbert Matrix (BSS – HBM) using 39 GHz MIMO Antenna in 5G Application03007(5)
- Jeyabharathi M., Kumutha D., Geetha P., Devi R.D.H., Manikandan R., Sripriya T.,** Miniaturized *T* and Inverted *T* Slotted Ultra Wide Band Antenna with Defected Ground (DG) System for 5G Communication03008(7)
- Selvakumar M., Ambika A., Kumar A.R., Sandhya M., Sai A.K.M., Kasim S.I.,** Compact SIW Based Band Pass Filter for sub 6 GHz Band Application03009(4)
- Kumutha D., Islam T., Muthumari P., Vijayalakshmi K., Rajalakshmi R., Indumathi M.,** Design and Analysis of Two Element Modified Circular Shaped MIMO Antenna for 5G Application03010(5)
- Mondal A., Kundu A.K., Biswas H.S., Maiti D.K.,** Tuning of Graphene Oxide Thin Films Synthesis and Characterization with Electronic Behaviour03011(5)
- Bezzout H., Aghoutane B., Meskini N., Ghzaoui M. El, Subramanyam P N V B., Faylali H. El,** Development of a Dual-Band Microstrip Patch Antenna with Rectangular Slot for Next-Generation 12-35 THz Applications03012(4)
- Rajarajeshwari K.C., Nithiyameenatchi N., Priyadharsini S., Subramanyam P N V B., Kumari S.V.,** Investigation on Six Element Dipole Array Antenna for ISM Band Wireless Communication Applications03013(5)
- Thorat S.R., Tidake V.M., Patare P.M., Khatkale P.B., Khatri A.A., Yawalkar P.M., Ingle S.S.,** Size-Dependent Physical Properties of Metallic Films: Analysis of Thermal and Mechanical Characteristics in the Nanoscale Regime03014(5)
- Khatkale P.B., Khatri A.A., Yawalkar P.M., Verma V., Tidake V.M., Patare P.M., Kulkarni S.,** Nano Granular Metallic Thin Films: Unravelling Non-Linear Electrical Conduction and Resistive Switching for Neuromorphic Applications03015(5)

Yawalkar P.M., William P., Tidake V.M., Patare P.M., Khatkale P.B., Khatri A.A., Ingle S.S.,	Enhancing Nanocomposite Filtration Membranes: Refined SVM Approach for Precise Estimation of Permeate Flux and Foulant Rejection	03016(5)
Hoa P.V., Tuong L.Q.,	Surface Water Quality Methods of Determining.....	03017(5)
Narzary S., Das S., Chakraborty K., Choudhury M.G., Paul S.,	Visible Light- Driven Cesium-Titanium Iodide (Cs_2TiI_6) Double Perovskite Photocatalytic dye Degradation	03018(6)
Reddy G.D., Medikondu N.R., Kumar T.V., Kamesh V.V., Kumar P.V.,	Smart Factory Navigation: Sensor-Driven Access Point Selection for Automated Guided Vehicles	03019(5)
Lekmine F., Gana A., Zidani I.,	Electrochemical and Thermodynamic Investigation of Drug Solfarlem as a Potential Corrosion Inhibitor for Nickel-Phosphorus Coatings	03020(5)
Kumari N.B.V.L., Jagadish A., Mirzana I.M., Krishna J., Bhattacharjee A., Medikondu N.R.,	Exploring Thermal Characteristics of Functionally Graded Nanomaterials for Enhanced Heat Dissipation in Electronic Devices	03021(5)
Ghosh S.S., Chattopadhyay S., Das S., Das A., Prasad G.R.K., Das A.,	Identification of GTO Switch Fault in Voltage Source Inverter in PV Integrated Microgrid	03022(5)
Mishra R., Verma R., Chaturvedi R., Patil P.P., Rao A.L.N., Khan A.K., Shrivastava A.,	Experimental Study on Structural, Morphological and Optical Properties of Nanocomposite Materials for Dielectric Applications	03023(5)
Upadhyay V.V., Singh D., Singh R., Verma R.P., Srivastava A.P., Pandian P.M., Srivastava A.,	Developing Functional Fabrics with Nano-Metal Coatings for Multiple uses by Investigating their Electromagnetic and Ultraviolet Properties.....	03024(6)
Buketov A.V., Kulinich A.G., Husiev V.M., Kulinich S.O., Kulinich V.V., Dyadyura K., Hrebenyk L.,	The Increasing of Water Transport Resources under the Influence of a Thermal Field by the Usage of Modified Epoxy Nanomaterials	03025(7)
Bhavani K.D., Islam T., Madhav B.T.P., Das S., Chintalapati S.S., Aradhyula R.,	Design and Analysis of a Concentric Ring Based Split Ring Monopole Antenna with Characteristic Mode Analysis (CMA) for IoT Communication Applications	03026(6)
Boukhatem N., Messaoudi K., Redjati A., Fares A., Brik F.,	Assessment of Optimization Parameters for Video Transmission over Optical Fiber using an H265/HEVC Encoder in Video Streaming Applications	03027(7)
Ovcharenko A.Yu., Lebed O.A.,	Study of Optical Properties and Structural Features of Object using the X-ray Phase Contrast Method.....	03028(6)
Ghosh S.S., Chattopadhyay S., Krishna R.V.V., Mahapatra R.K., Das A., Das S.,	Measurement of Very Small Variation of Effective Resistance of MOSFET Deputed in Active Microgrid Inverter Operation.....	03029(5)
Naida S.A., Naida N.S., Naida A.S., Popovych P.V.,	Human Inner Ear Implant with an Acoustic Information Transmission Channel.....	03030(8)
Kondratenko P.O., Sakun T.M., Lopatkin Yu.M.,	Relaxation of Electronic Excitation in Triazine Molecules.....	03031(5)
Najim S.A.,	Fabrication of CdSe/Si Thin Films Solar Cell by CBD	03032(3)
Information for authors.....		I-1