

CONTENTS

2026, Vol. 18, No 4

Kulish V.V., Yeromin S.I. , Theory of Dipole-Exchange Spin Waves in a Ferromagnetic Nanotube in the Presence of a Thermoelectrically Induced Spin-Transfer Torque. Elliptic Nanotube Case	04001(11)
Len T.A., Vovchenko L.L., Matzui L.Yu., Saenko G.V., Zhuravkov A.V., Savchenko B.M., Sova N.V., Slieptsov O.O. , Electrical, Thermal and Mechanical Properties of Epoxy Composites with Carbon Micro- and Nanofillers	04002(8)
Grishchenko L.M., Zhytnyk D.O., Malyshev V.Yu., Diyuk V.E., Plutenko T.O., Popov M.O., Chumak H.L., Matushko I.P., Noskov Yu.V., Kyrychenko V.V., Makarets M.V., Lisnyak V.V. , Microwave Behavior of PVC/YIG/Carbon Material Composite Films in X-band	04003(9)
Ahmed Samah A. M., Abdo Faez M. B., Gaid Abdul Guddoos S. A., Alomari Mohammad Ahmed, Ghaleb Mukhtar, Ibrahim Imran Mohd , High-Gain Slit-Loaded Microstrip Patch Antenna with Defected Ground Structure for WLAN at 5.8 GHz.....	04004(6)
Kolomoets A.G., Shkola O.V., Kuznetsova O.Ya. , A Piezo-Optical Effect in Lead Nitrate.....	04005(4)
Boucetta Farida, Boumehraz Mohammed-Amin, Naouel Saaïd , Electrodeposition and Corrosion Behavior of Lanthanum Coatings on Tinplate in Chloride Medium.....	04006(6)
Gornostay O.V., Osokin V.O., Stel'makh Ya.A., Grabin V.V., Shpak P.O. , Preparation of Fe-Based Composite Materials with Controlled Cu and Au Doping by a Three Source EB-PVD Technique	04007(6)
Sergeyev D., Yeskibayev E. , Moire-Angle-Controlled Electronic Transport in MoS ₂ /WS ₂ Van der Waals Nanodevices with Graphene and Silicene Electrodes.....	04008(8)
Swargiary Rikhit, Saikia Panchita, Sarma Kaushik Chandra Deva , Carrier Mobility Analysis of Raised Source Drain Double Gate JLFET for Power Devices	04009(5)
Sivashanmugavalli B., Mahalakshmi R., Anusiya S. , Design of Triband Monopole Antenna Using Machine Learning Assisted Optimization	04010(5)
Samudrala Varakumari, Aparna Ch., Chaitanya B.T.K., Amrutha V., Babu G. Nikhil, Prasanna B., B Sai Sandeep , Design and Optimization of Millimeter-Wave Antenna at 27/34 GHz for Next-Generation Communication Systems	04011(5)
Santhanam Suganthi, Mathiyazhagan Vijay, Natchiammai PL., Kasinathan Suriya, Athinarayanan S., Alagarsamy Manjunathan , Theta-Shaped Microstrip Patch Antenna with DGS for Dual NR Mid Band 5G Deployment Applications.....	04012(4)
Rentapalli Vanitha Rani, Roy Bappadittya , The Metasurface Based Antennas for 5G and Millimeter Wave Communication Systems	04013(5)
Rao Ghali Srinivasa, Madhav B.T.P., Devi Y. Usha, Yenna Geetha Reddy, Jyostna K., V Lokesh Raju , Design of FSS-Based Gain-Enhanced Wideband Srichakra-Shaped Antenna for Point-to-Point Microwave Data Links	04014(6)
Surendra Loya, Navya Ambati, Bevara Vasudeva, Valathuru Mahesh , Analysis of an Elliptical Microstrip Slotted EPA for Wi-Max Applications	04015(4)
Das Subhram, Roy Shreyasi Saha, Roy Avilash, Paul Ranabir, Mishra Ayan, Ghosh Papri, Mondal Md Ashifuddin , Core-Shell Non-Noble Plasmonic Alloy-Semiconductor Hybrids for Visible-Light Photocatalysis: Design, Tunability, and Charge Dynamics	04016(4)
Jeyabharathi M., Kumutha D., Priya C., Dhivya R., Tamilarasi K., Vijayakumari G. , A Compact BO-ANN-Driven 4-Element MIMO Antenna for Sub-6-GHz Terminals	04017(5)

Divakar T.V.S., Ramana D.V., Sudhakar A., Design and Analysis of Dual Band PIFA Antenna Using Metasurface at 8-10 GHz for High Frequency Sensor Applications	04018(5)
Kalli Sivanagireddy, Suryanarayana Sakhamuri, Maddumala Venkata Rao, Prasad Nagandla, Analysis of a Compact Cross Shaped BPF for Satellite Communication Applications	04019(4)
Chakraborty Kunal, Narmadha R., Kadirov Islom, Prasad DVSSSV, Koneru Sireesha, Reddy G. Deepika, Development of a High-Performance Lead-Free Cs ₂ SnX ₆ (X = Br)-Based Perovskite Solar Cell with Various Transport Layers Optimization	04020(4)
Sinha Aritra, Tewary Tapas, Mukherjee Arindum, Bhunia Sunandan, Design and Analysis of Reconfigurable Dual Notched Ultra Wideband Microstrip Patch Antenna	04021(5)
Lysenkov E.A., Kozlov O.V., Dinzhos R.V., Ryzhkov S.S., Korkees F., Prediction of Electrical Conductivity of Polymer Nanocomposites Using Fuzzy Logic-Based Approach of Artificial Intelligence	04022(7)
Kale Chaitanya P., William P., Almakki Mohammed, Khatkale Pravin B., Yawalkar Prashant M., Agwan Ritesh Ravindra, Thokal Prashant V., Nano-Material Printing Ensuring Uniform Filament Quality in MXene Structures	04023(6)
C Nisha J, Kumar S. Ashok, Pravin J. Charles, Investigation of Electrical Characteristics of a SiGe Multi-Channel Junctionless Nanowire FET at the Sub-5 nm Technology Node ..	04024(5)
Sakle D.O., Deshmukh M.P., Design of a Miniaturized Frequency-Reconfigurable Microstrip Antenna Using PIN Diodes and Defected Ground Structure for Modern Wireless Communication	04025(8)
Petchenko O.M., Bezougly A.V., Poyda A.V., Didenko O.M., Boiko S.M., Petchenko G.O., Peculiarities of the Frequency Dependences of the Dislocation Decrement of Ultrasound Attenuation for Ionic Crystals with Radiation Defects and Impurities	04026(5)
Medarametla Anusha Rani, Babu K. Vasu, Das Sudipta, Mallik Praveen, Mulagani Francis, Compact Snow-Flex Structured MIMO Antenna Architecture with Enhanced Isolation for 2.48 GHz Wireless Sensor Networks.....	04027(5)
Kumar Sikandar, Sharma J.P., Tuning Structural and Optical Properties of Cu-Doped CdS Nanoparticles via Controlled Bandgap Engineering	04028(7)
Chahi M., Gharou A., Nehmar H., Kasdi M., Benhabara H., Bouhekka A., wxAMPS Simulation of Electronic Transport Mechanism in Intrinsic and Doped Nanocrystalline Silicon Thin Films.....	04029(10)
Lazorenko Ya.P., Mitsai V.P., Mamilov S.O., Sokolov V.O., Golub V.O., Rhodamine 6G and Nile Red Containing Porous Films with CdTe Quantum Dots for Highly Sensitive Detection of Acetone and Ammonia in the Air.....	04030(8)
Andriychuk V.A., Kostyk L.M., Filiuk Y.O., Nakonechnyi M.S., Osadtsa Y.M., Research of Dynamic Characteristics of LEDs by the Small Disturbance Method	04031(7)
Khaldi Soumaia, Allaoui Abdelfattah, Zenkhri Louiza, Besra Safa, Saka Ece. T., Akkol Cagla, Synthesis and Characterization of CuCr _{1.4} Co _{0.6} O ₄ Spinel Nanostructures: Impact of Cobalt Doping on Optical and Photocatalytic Properties	04032(9)
Najim S.A., Sulaiman A.A., Muhammed K.M., Fabrication of <i>p</i> -Bi ₂ O ₃ / <i>n</i> -CdSe Nanoparticles Heterojunction at Different Substrate Temperatures	04033(4)
Information for authors.....	I-1