

CONTENTS

2024, Vol. 16, No 2

Sadoun A. , Effect of Introduction Layers of Native Oxide, InN, and InSb on the Electrical Characterization of the Au/ <i>n</i> -InP	02001(6)
Vimala P., Hosmani S.G. , Performance Enhancement of the Urdhva-Tiryagbhyam based Vedic Multiplier using Fin-FET	02002(5)
Adim B., Daouadji T.H. , Analysis of Buckling Behavior of Functionally Graded Plates Under Mechanical Loading	02003(4)
Iliev Kh.M., Zikrillaev N.F., Ayupov K.S., Isakov B.O., Abdurakhmanov B.A., Umarkhodjaeva Z.N., Isamiddinova L.I. , Effect of GaSb Compound on Silicon Bandgap Energy	02004(4)
Ptashchenko F. , DFT Modeling of Chemical Reactions Occurring Under the Influence of Positive Ionic Complexes of Aqueous HF Solutions During Electrochemical Etching of Silicon	02005(5)
Meena V., Singh P.P., Sharma S.K., Gupta R. , A Hepta-band Frequency Tunable Patch Antenna for Cognitive Radio Applications	02006(6)
Orletskii I.G., Tkachuk I.G., Kovalyuk Z.D., Ivanov V.I., Zaslonkin A.V. , Fe ₂ O ₃ / <i>p</i> -InSe Heterostructures Produced by Spray Pyrolysis Method	02007(4)
Onyshchenko V.F. , Transmission and Absorption of Bilateral Porous Silicon with Macropores or Nanowires	02008(7)
Surjati I., Alam S., Sari L., Ningsih Y.K., Elishabet A., Putri S.M., Zakaria Z., Firmansyah T. , Dual-Band MIMO Circular Patch Microstrip Antenna (CPMA) with Low Mutual Coupling for 5G Communication System.....	02009(5)
Lazzaz A., Bousbahi K., Ghamnia M. , A New GAA FinFET without n-well or p-well	02010(5)
Chaudhary D.K., Joshi S.K., Thapa S., Yue Y., Zhu P. , Enhancement in the Sensing Efficacy of ZnO-based Ethanol Sensor: Fe-ZnO Film.....	02011(7)
Adewoyin A.D., Adeniji A.E., Adewoyin I.D., Ajayi K.F. , Establishment of the Prospective CZTGS Photovoltaic through the Optimization of Some Device Parameters	02012(4)
Bilyavina N.M., Turkevich V.Z., Kuryliuk A.M., Stratiichuk D.A., Nakonechna O.I. , Formation of Nitrogen Supersaturated (Nitrogen-Rich) MeN Nitrides at Thermobaric Sintering of PcBN Composites of cBN-{TiN, ZrN, HfN, VN, NbN}-Al Systems	02013(7)
Babychenko O.Yu., Vasiliev Yu.S., Karnaushenko V.P., Piataikina M.I., Shcherban I.M. , Electrodynamical Properties of Resonator Probes for Local Microwave Diagnostics of Nanoelectronic Objects	02014(6)
ALtalqi F., Mabchour H., Echchelh A. , Design of a High Efficiency Monopole Antenna Array for GPR Application	02015(5)
Mahri O., Guebgoub N., Khalfallaoui A., Denidni T.A. , Bandwidth Enhanced and Gain Improvement of Compact Patch Antenna Using Metamaterials for UWB applications.....	02016(6)
Fitio V.M., Bulavinets T.O., Ilin O.V., Yaremchuk I.Y. , Field Enhancement with Waveguide Resonance by the Structure Dielectric Grating/Dielectric Layer/Metal Substrate	02017(5)
Hafaifa L., Maache M., Bouabdelli M.W. , Improving the Performance of CZTS/CZTSSe Tandem Thin Film Solar Cell.....	02018(6)

Olenych I.B., Horbenko Yu.Yu., Monastyrskii L.S., Aksimentyeva O.I., Dzendselyuk O.S. , Ionizing Radiation Detection Using the Field Effect Transistor Based on Reduced Graphene Oxide.....	02019(4)
Rao N.N., Rao P.R., Swamy B.J.R.S.N., Naresh P., Kalpana T., Babu A.C., Babu N.Ch.R. , Effect of Additive (MnO) on Dielectric Constant and Dielectric Loss of Na ₂ O-B ₂ O ₃ Glasses	02020(4)
Ovcharenko A.Yu., Lebed O.A. , Modeling of X-Ray Phase Contrast Imaging of Optically Heterogeneous Objects	02021(6)
Mahi A., Arbaoui I., Tadjeddine A., Ghaitaoui T., Dahbi H. , Optimizing Terahertz Signal Detection in High Electron Mobility Transistors: Insights from Plasma Resonance Studies	02022(6)
Nadtochiy A., Podolian A., Korotchenkov O., Oberemok O., Kosulya O., Romanyuk B. , Equivalent Circuit Model to Reach Complicated Surface Photovoltage Transient Shapes in ZnO Thin Films	02023(6)
Mandzyuk V.I., Ivanichok N.Ya., Solomoskyi R.V. , Li-ion Diffusion in Porous Carbon Electrode Materials by GITT Method.....	02024(4)
Chermime B., Mansouri K., Djebaili H., Hadjela H., Abbassi O.A., Hamidane O. , Improvement by Heat Treatment of the Mechanical Properties of a Grooving Cutter.....	02025(5)
Hovorun T.P., Khaniukov K.S., Varakin B.O., Pakhnenko D.V., Pylypenko O.V., Bilous O.A. , Structure and Properties of Wear-Resistant Nanostructured Coatings Based on W, Cr and N	02026(6)
Shuaibov O.K., Minya O.Y., Hrytsak R.V., Malinina A.O., Malinin O.M., Holomb R.M., Pogodin A.I., Homoki Z.T. , Synthesis of Surface Nanostructures of Silver Sulfide in Argon at Atmospheric Pressure in a Gas Discharge	02027(6)
Fateh M., Djalal M., Ammar M. , Modeling and Simulation of Photovoltaic Panel Using Simulink and Proteus Simulation	02028(8)
Kaur C., Verma K.K., Islam T., Madhav B.T.P., Praveena N.G., Das S., Rao G.S. , Analysis of Compact Quadruplet Arrow Slotted Notch Band Antenna with Defected Ground Structure	02029(5)
Zahorodnia T.M., Melnychenko O.V., Tartachnyk V.P., Chumak M.E. , Properties of the Original Electron-Irradiated LEDs Homojunction GaP, GaAsP and Heterojunction InGaN Structures	02030(6)
Elbakkar Z.K., Khardioui Y., Islam T., Ghzaoui M. El, Das S., Alami A. El , Design of a Split Ring Resonators-Based Band Pass Filter with Triple Pass Band Characteristics for Wireless Communication Systems	02031(5)
Information for authors.....	I-1