

Gnana Prakash A P

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

179
citations

1163117

8
h-index

1281871

11
g-index

40
all docs

40
docs citations

40
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of CeO ₂ nanoparticles on dielectric properties of PVB/CeO ₂ polymer nanodielectrics: a positron lifetime study. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 1063-1077.	2.2	8
2	Solution combustion synthesized ZnO/Na ₂ Ti ₆ O ₁₃ composite for degradation of 4-nitrophenol under solar irradiation. <i>Carbon Letters</i> , 2022, 32, 1355-1363.	5.9	4
3	Gamma irradiation induced microstructural modification and electrical conductivity of bakelite resistive plate chamber material. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 327, 821-829.	1.5	3
4	Investigation of triplex CaAl ₂ ZnO ₅ nanocrystals on electrical permittivity, optical and structural characteristics of PVA nanocomposite films. <i>Polymer Bulletin</i> , 2020, 77, 5005-5026.	3.3	12
5	An investigation on dose rate effect of ⁶⁰ Co gamma radiation on 200 GHz SiGe HBTs. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
6	An investigation of 10 MeV electron irradiation on silicon NPN transistors. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
7	Swift heavy ions-induced degradation on the electrical characteristics of silicon NPN power transistors. <i>Radiation Effects and Defects in Solids</i> , 2019, 174, 859-872.	1.2	3
8	Analysis of 80-MeV Carbon and 80-MeV Nitrogen Ion Irradiation Effects on N-Channel MOSFETs. <i>IEEE Transactions on Device and Materials Reliability</i> , 2019, 19, 696-703.	2.0	5
9	Structural, Dielectric Permittivity and Optical Characteristics of Casting Poly Vinyl Alcohol/Calcium Nickel Aluminate Nanocomposite Films. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1110-1124.	1.3	11
10	A Comparison of Electron, Proton and Gamma Irradiation Effects on the I-V Characteristics of 200 GHz SiGe HBTs. <i>IEEE Transactions on Device and Materials Reliability</i> , 2018, 18, 592-598.	2.0	13
11	Enhanced Solar Light Driven Photocatalytic Degradation of Organic Dye Using Solution Combustion Synthesized CeO ₂ -ZnO Nanocomposites. <i>Journal of Electronic Materials</i> , 2018, 47, 6716-6721.	2.2	6
12	The effects of high-energy ion irradiations on the I-V characteristics of silicon NPN transistors. <i>Radiation Effects and Defects in Solids</i> , 2018, 173, 683-693.	1.2	1
13	Comparison of 1 MeV electron, Co-60 gamma and 1 MeV proton irradiation effects on silicon NPN transistors. <i>Radiation Effects and Defects in Solids</i> , 2017, 172, 235-249.	1.2	9
14	MeMLO: Mobility-Enabled Multi-level Optimization Sensor Network. <i>Wireless Personal Communications</i> , 2017, 97, 5675-5689.	2.7	1
15	An investigation of 80 MeV nitrogen ion irradiation on silicon NPN transistors. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
16	5 MeV Proton irradiation effects on 200 GHz silicon germanium heterojunction bipolar transistors. <i>Radiation Effects and Defects in Solids</i> , 2017, 172, 922-930.	1.2	2
17	Comparison of effect of 5 MeV proton and Co-60 gamma irradiation on silicon NPN rf power transistors and N-channel depletion MOSFETs. <i>Radiation Effects and Defects in Solids</i> , 2017, 172, 952-963.	1.2	10
18	Recovery of electrical characteristics of 80 MeV carbon ion irradiated SiGe HBTs by mixed mode electrical stress. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0

#	ARTICLE	IF	CITATIONS
19	80â€¦MeV C6+ ion irradiation effects on the DC electrical characteristics of silicon NPN power transistors. AIP Conference Proceedings, 2016, , .	0.4	0
20	The effects of hot carrier and swift heavy ion irradiation on electrical characteristics of advanced 200â€¦GHz SiGe HBTs. AIP Conference Proceedings, 2016, , .	0.4	0
21	Studies on the optical, thermal, electrical and dielectric properties of 5-chloro-2(3H)benzoxazolone Picrate: a new nonlinear optical crystal. Journal of Optics (India), 2016, 45, 331-336.	1.7	2
22	Synthesis, growth and characterization of a new organic nonlinear optical crystal:		

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37	Deep Level Transient Spectroscopy Technique to Analyze Radiation Induced Defects in Power Transistors. , 2011, , .		0
38	The effect of 63ÂMeV hydrogen ion irradiation on 65ÂGHz UHV/CVD SiGe HBT BiCMOS technology. Radiation Effects and Defects in Solids, 2011, 166, 703-709.	1.2	7
39	An investigation of electron and oxygen ion damage in Si npn RF power transistors. Radiation Effects and Defects in Solids, 2009, 164, 592-603.	1.2	15
40	The influence of radiation on the electrical characteristics of MOSFET and its revival by different annealing techniques. Radiation Effects and Defects in Solids, 0, , 1-9.	1.2	0