

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	The effect of Co-60 gamma irradiation on optical properties of some nonlinear optical (NLO) single crystals. Journal of Optics (India), 2012, 41, 158-166.	1.7	19
2	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
3	50ÅMeV Li ³⁺ ion irradiation effects on advanced 200ÅGHz SiGe HBTs. Radiation Effects and Defects in Solids, 2011, 166, 710-717.	1.2	14
4	A Comparison of Electron, Proton and Gamma Irradiation Effects on the I-V Characteristics of 200 GHz SiGe HBTs. IEEE Transactions on Device and Materials Reliability, 2018, 18, 592-598.	2.0	13
5	Investigation of triplex CaAl ₂ ZnO ₅ nanocrystals on electrical permittivity, optical and structural characteristics of PVA nanocomposite films. Polymer Bulletin, 2020, 77, 5005-5026.	3.3	12
6	Structural, Dielectric Permittivity and Optical Characteristics of Casting Poly Vinyl Alcohol/Calcium Nickel Aluminate Nanocomposite Films. Polymer-Plastics Technology and Materials, 2019, 58, 1110-1124.	1.3	11
7	Comparison of effect of 5ÅMeV proton and Co-60 gamma irradiation on silicon NPN rf power transistors and NÅ channel depletion MOSFETs. Radiation Effects and Defects in Solids, 2017, 172, 952-963.	1.2	10
8	Comparison of 1ÅMeV electron, Co-60 gamma and 1ÅMeV proton irradiation effects on silicon NPN transistors. Radiation Effects and Defects in Solids, 2017, 172, 235-249.	1.2	9
9	Effect of CeO ₂ nanoparticles on dielectric properties of PVB/CeO ₂ polymer nanodielectrics: a positron lifetime study. Journal of Materials Science: Materials in Electronics, 2022, 33, 1063-1077.	2.2	8
10	The effect of 63ÅMeV hydrogen ion irradiation on 65ÅGHz UHV/CVD SiGe HBT BiCMOS technology. Radiation Effects and Defects in Solids, 2011, 166, 703-709.	1.2	7
11	Synthesis, growth and characterization of a new promising organic nonlinear optical crystal: 4-Nitrophenyl hydrazone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 854-860.	3.9	7
12	A comparison of 100ÅMeV oxygen ion and 60Co gamma irradiation effects on advanced 200ÅGHz SiGe heterojunction bipolar transistors. Indian Journal of Physics, 2015, 89, 789-796.	1.8	7
13	In situ investigation of 75ÅMeV boron and 100ÅMeV oxygen ion irradiation effects on 50ÅGHz siliconÅ germanium heterojunction bipolar transistors. Radiation Effects and Defects in Solids, 2013, 168, 620-624.	1.2	6
14	Enhanced Solar Light Driven Photocatalytic Degradation of Organic Dye Using Solution Combustion Synthesized CeO ₂ -ZnO Nanocomposites. Journal of Electronic Materials, 2018, 47, 6716-6721.	2.2	6
15	Analysis of 80-MeV Carbon and 80-MeV Nitrogen Ion Irradiation Effects on N-Channel MOSFETs. IEEE Transactions on Device and Materials Reliability, 2019, 19, 696-703.	2.0	5
16	A comparison of 75 MeV boron and 50 MeV lithium ion irradiation effects on 200 GHz SiGe HBTs. , 2013, , .		4
17	Solution combustion synthesized ZnO/Na ₂ Ti ₆ O ₁₃ composite for degradation of 4-nitrophenol under solar irradiation. Carbon Letters, 2022, 32, 1355-1363.	5.9	4
18	Swift heavy ion irradiation and annealing studies on the IÅV characteristics of N-channel depletion MetalÅ oxideÅ semiconductor field-effect transistors. Indian Journal of Physics, 2015, 89, 943-950.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Swift heavy ions-induced degradation on the electrical characteristics of silicon NPN power transistors. Radiation Effects and Defects in Solids, 2019, 174, 859-872.	1.2	3
20	Gamma irradiation induced microstructural modification and electrical conductivity of bakelite resistive plate chamber material. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 821-829.	1.5	3
21	High total dose proton irradiation effects on silicon NPN rf power transistors. , 2014, , .		2
22	REEDA: Routing with energy efficiency data aggregation in wireless sensor network. , 2015, , .		2
23	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
24	5â€‰MeV Proton irradiation effects on 200â€‰GHz siliconâ€‰germanium heterojunction bipolar transistors. Radiation Effects and Defects in Solids, 2017, 172, 922-930.	1.2	2
25	The reliability studies of nano-engineered SiGe HBTs using Pelletron accelerator. AIP Conference Proceedings, 2015, , .	0.4	1
26	Synthesis, growth and characterization of a new organic nonlinear optical crystal:		

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37	An investigation of 80â€¦MeV nitrogen ion irradiation on silicon NPN transistors. AIP Conference Proceedings, 2017, , .	0.4	0
38	Recovery of electrical characteristics of 80â€¦MeV carbon ion irradiated SiGe HBTs by mixed mode electrical stress. AIP Conference Proceedings, 2017, , .	0.4	0
39	An investigation on dose rate effect of 60Co gamma radiation on 200â€¦GHz SiGe HBTs. AIP Conference Proceedings, 2020, , .	0.4	0
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