

Neelam Prabhu Gaunkar

List of Publications by Year in descending order

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21
papers

73
citations

1937685

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all docs

21
docs citations

21
times ranked

45
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Barkhausen Noise Emissions and Magnetic Hysteresis in Multi-Phase Magnetic Materials. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	14
2	Transcranial Magnetic Stimulation: Design of a Stimulator and a Focused Coil for the Application of Small Animals. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	14
3	A 50-Gb/s 134-GHz 16-QAM 3-m Dielectric Waveguide Transceiver System Implemented in 22-nm FinFET CMOS. IEEE Solid-State Circuits Letters, 2021, 4, 206-209.	2.0	10
4	A 120-Gb/s 100-145-GHz 16-QAM Dual-Band Dielectric Waveguide Interconnect With Package Integrated Diplexers in Intel 16. IEEE Solid-State Circuits Letters, 2022, 5, 178-181.	2.0	9
5	A 50 Gbps 134 GHz 16 QAM 3 m Dielectric Waveguide Transceiver System Implemented in 22nm CMOS. , 2021, , .		6
6	Detection of surface cracks in ferromagnetic materials by C-scan mapping of residual stresses using Barkhausen emissions. AIP Advances, 2020, 10, .	1.3	4
7	A typology for magnetic field generator technologies. AIP Advances, 2021, 11, .	1.3	4
8	Design and Experimental Implementation of a Low Frequency Pulsed Magnetic Field Generator. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	3
9	Ring Magnet Design Considerations for Obtaining Magnetic Resonance Signals in Low Non-Uniform Fields. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	3
10	Multi-layer FCCSP organic packaging for D-band millimeter wave applications. , 2022, , .		2
11	Variations in student learning in an inquiry-based freshmen electrical engineering course. , 2017, , .		1
12	Design of monophasic pulsed magnetic fields for use in low bias fields. AIP Advances, 2020, 10, 025032.	1.3	1
13	GaN-based fast, high output magnetic field pulser. AIP Advances, 2021, 11, 025118.	1.3	1
14	Impact of Human Side of Engineering Approach in an Undergraduate Electromagnetics Course. , 2021, , .		1
15	Enhancement for High-Speed Switching of Magneto-Optic Fiber-Based Routing Using Single Magnetizing Coil. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	0
16	Detection and estimation of magnetization induced resonances in unilateral nuclear magnetic resonance (NMR) sensors. AIP Advances, 2017, 7, .	1.3	0
17	Experimental demonstrations of unpinning domains in a saturated bismuth-substituted iron garnet. , 2017, , .		0
18	Mapping and estimating magnetic field variations due to a one-sided magnet. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Student-mentor views on inquiry-based learning: A challenge for designing effective inquiry-based classes with mentors. , 2018, , .		0
20	Transcranial magnetic stimulation: design of a high current magnetic pulse generator with custom coil for the application on small animals. , 2018, , .		0
21	Interferometric Detection of Pinned Interactions in Bismuth-Substituted Iron Garnet. IEEE Transactions on Magnetics, 2019, , 1-4.	2.1	0