

Neelam Prabhu Gaunkar

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	A 120-Gb/s 100-145-GHz 16-QAM Dual-Band Dielectric Waveguide Interconnect With Package Integrated Dplexers in Intel 16. IEEE Solid-State Circuits Letters, 2022, 5, 178-181.	2.0	9
2	Multi-layer FCCSP organic packaging for D-band millimeter wave applications. , 2022, , .		2
3	A typology for magnetic field generator technologies. AIP Advances, 2021, 11, .	1.3	4
4	GaN-based fast, high output magnetic field pulser. AIP Advances, 2021, 11, 025118.	1.3	1
5	A 50 Gbps 134 GHz 16 QAM 3 m Dielectric Waveguide Transceiver System Implemented in 22nm CMOS. , 2021, , .		6
6	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
7	Impact of Human Side of Engineering Approach in an Undergraduate Electromagnetics Course. , 2021, , .		1
8	Detection of surface cracks in ferromagnetic materials by C-scan mapping of residual stresses using Barkhausen emissions. AIP Advances, 2020, 10, .	1.3	4
9	Design of monophasic pulsed magnetic fields for use in low bias fields. AIP Advances, 2020, 10, 025032.	1.3	1
10	Interferometric Detection of Pinned Interactions in Bismuth-Substituted Iron Garnet. IEEE Transactions on Magnetics, 2019, , 1-4.	2.1	0
11	Student-mentor views on inquiry-based learning: A challenge for designing effective inquiry-based classes with mentors. , 2018, , .		0
12	Transcranial magnetic stimulation: design of a high current magnetic pulse generator with custom coil for the application on small animals. , 2018, , .		0
13	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
14	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
15	Design and Experimental Implementation of a Low Frequency Pulsed Magnetic Field Generator. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	3
16	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
17	Detection and estimation of magnetization induced resonances in unilateral nuclear magnetic resonance (NMR) sensors. AIP Advances, 2017, 7, .	1.3	0
18	Experimental demonstrations of unpinning domains in a saturated bismuth-substituted iron garnet. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Mapping and estimating magnetic field variations due to a one-sided magnet. , 2017, , .		0
20	Variations in student learning in an inquiry-based freshmen electrical engineering course. , 2017, , .		1
21	Analysis of Barkhausen Noise Emissions and Magnetic Hysteresis in Multi-Phase Magnetic Materials. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	14