

Prateek Juyal

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

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26
all docs

26
docs citations

26
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	THz Bistatic Backscatter Side-Channel Sensing at a Distance. IEEE Transactions on Antennas and Propagation, 2022, 70, 1440-1450.	5.1	4
2	Generalized Modeling and Propagation Characterization of THz Wireless Links in Computer Desktop Environment. Radio Science, 2022, 57, .	1.6	2
3	Comparison of Statistical and Deep Learning Path Loss Model for Motherboard Desktop Environment. , 2022, , .		4
4	Near Field Modeling for THz Wireless Channel in Nettop Size Metal Enclosures. , 2021, , .		2
5	Investigation of Resonance Based Propagation Loss Modeling for THz Chip-to-Chip Wireless Communications. , 2020, , .		6
6	Near-Field Backscattering-Based Sensing for Hardware Trojan Detection. IEEE Transactions on Antennas and Propagation, 2020, 68, 8082-8090.	5.1	15
7	Modeling of 300 GHz Chip-to-Chip Wireless Channels in Metal Enclosures. IEEE Transactions on Wireless Communications, 2020, 19, 3214-3227.	9.2	31
8	Effects of Modes on THz Wireless Channels Inside Metal Enclosures. , 2020, , .		1
9	Terahertz Near-Field Focusing Using a 3-D Printed Cassegrain Configuration for Backscattered Side-Channel Detection. IEEE Transactions on Antennas and Propagation, 2019, 67, 6627-6638.	5.1	6
10	THz Channel Characterization of Chip-to-Chip Communication in Desktop Size Metal Enclosure. IEEE Transactions on Antennas and Propagation, 2019, 67, 7550-7560.	5.1	22
11	Path Loss Model as a Function of Antenna Height for 300 GHz Chip-to-Chip Communications. , 2019, , .		2
12	On the Surface Roughness and Smoothing in the 3D Printed THz Reflectors. , 2019, , .		1
13	THz Near Field Focusing using Cassegrainian Configuration for EM Side-channel Detection. , 2018, , .		3
14	A Directive Antenna Based on Conducting Disks for Detecting Unintentional EM Emissions at Large Distances. IEEE Transactions on Antennas and Propagation, 2018, 66, 6751-6761.	5.1	14
15	Gain Enhancement in Circular Microstrip Antenna via Linear Superposition of Higher Zeros. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 896-899.	4.0	17
16	High gain dual mode microstrip disc antenna configuration. , 2016, , .		0
17	Sidelobe Reduction of TM_{12} Mode of Circular Patch via Nonresonant Narrow Slot. IEEE Transactions on Antennas and Propagation, 2016, 64, 3361-3369.	5.1	60
18	A Novel High-Gain Printed Antenna Configuration Based on TM_{12} Mode of Circular Disc. IEEE Transactions on Antennas and Propagation, 2016, 64, 790-796.	5.1	39

#	ARTICLE	IF	CITATIONS
19	A High-Gain Single-Feed Dual-Mode Microstrip Disc Radiator. IEEE Transactions on Antennas and Propagation, 2016, 64, 2115-2126.	5.1	47
20	High gain planar antenna using TM_{13} mode of circular disc. , 2015, , .		0
21	High gain circular microstrip antennas using TM_{1m} modes. , 2015, , .		1
22	Radiation pattern shaping of higher order broadside modes of circular microstrip radiator using impedance surfaces. , 2014, , .		2
23	A novel printed directive antenna configuration. , 2014, , .		1
24	Surface wave reduction in circularly polarized microstrip patch antenna mounted on textured pin substrate. , 2011, , .		1
25	Enhancement of front to back ratio and directivity with wire medium ε-Near zero metamaterial as superstrate in microstrip patch radiators. , 2011, , .		4