

Koushik Dutta

List of Publications by Year in descending order

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papers

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docs citations

25
times ranked

87
citing authors

#	ARTICLE	IF	CITATIONS
1	New Approach in Designing Resonance Cavity High-Gain Antenna Using Nontransparent Conducting Sheet as the Superstrate. IEEE Transactions on Antennas and Propagation, 2015, 63, 2807-2813.	5.1	51
2	Theory of Controlled Aperture Field for Advanced Superstrate Design of a Resonance Cavity Antenna With Improved Radiations Properties. IEEE Transactions on Antennas and Propagation, 2017, 65, 1399-1403.	5.1	31
3	Synthesizing Aperture Fields Over the Superstrate of Resonance Cavity Antenna for Modifying Its Radiation Properties. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1677-1680.	4.0	27
4	Flexible and miniaturized design of microstrip patch antenna with improved cross-polarized radiation. AEU - International Journal of Electronics and Communications, 2020, 116, 153083.	2.9	13
5	Geometrical Optics-Based Advanced Design of an Open Cavity Resonant Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 322-326.	4.0	10
6	An analytical approach of designing compact microstrip patch antenna using metal-ring superstrate for wideband and broadside radiations. AEU - International Journal of Electronics and Communications, 2020, 127, 153437.	2.9	9
7	Wideband Design of a Fabry-Perot Cavity Antenna with Improved Features. , 2018, , .		4
8	Simple and new design of resonance gain antenna for circular polarization with improved characteristics. , 2015, , .		3
9	A New Fabry-Perot Cavity Antenna with Wideband Characteristics. , 2018, , .		2
10	Fabry-Perot Resonant Cavity Antenna: New Theory and Design Opportunity. , 2019, , .		2
11	An Efficient Design Methodology for Fabry-Perot Cavity Antenna. , 2019, , .		2
12	Wideband Design of A Circularly Polarized Fabry-Perot Cavity Antenna. , 2021, , .		2
13	New idea of antenna based modulation technique demonstrated as polarization shift keying. , 2017, , .		1
14	A Wideband Design of Microstrip Patch Antenna Loaded with Metal Ring Superstrate. , 2019, , .		1
15	Design of Microstrip Patch Antenna for Dual-band Operation using Metal Ring Superstrate. International Journal of Recent Technology and Engineering, 2020, 8, 4539-4543.	0.2	1
16	Design of Wideband Resonant Cavity Antenna using Particle Swarm Optimization. International Journal of Recent Technology and Engineering, 2020, 8, 2360-2364.	0.2	1
17	Dual-Band Design of Microstrip Patch Antenna with Copper Ring Superstrate for X-Band Applications. , 2020, , .		1
18	New Design Approach for Mutual Coupling Reduction in Two-Port Compact Antenna Array for W-LAN MIMO Applications. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
19	New circularly polarized resonance cavity antenna. , 2013, , .		0
20	Resonance gain antenna using fully reflecting surface (FRS): New boundary condition to realize wideband high gain operation. , 2014, , .		0
21	Wideband Design of Dielectric Resonator Antenna using Defected Ground Structure. , 2018, , .		0
22	An Improved Design of Microstrip Patch for the Suppression of Cross-Polarized Radiations. , 2019, , .		0
23	Quasi-Optical Design Approach for Resonant Cavity Antenna with Improved Characteristics. , 2020, , .		0
24	Advanced Design of Transmitting Antenna System for Polarization Modulation. , 2020, , .		0
25	Design of Rectangular Microstrip Antenna with Defected Patch Surface for Improved Cross-Polarized Radiations. , 2020, , .		0