Asok De

List of Publications by Year
in descending order

74 papers	575 citations	759233 12 h-index	794594 19 g-index
75 all docs	75 docs citations	75 times ranked	427 citing authors

#	Article	IF	Citations
1	Novel H-shaped EBG in E-plane for Isolation Enhancement of Compact CPW-fed Two-Port UWB MIMO Antenna. IETE Journal of Research, 2023, 69, 5986-5992.	2.6	15
2	Size Miniaturization and Isolation Enhancement of Two-Element Antenna for Sub-6â€‰GHz Applications. IETE Journal of Research, 2023, 69, 6006-6013.	2.6	7
3	Key Components of Rectenna System: A Comprehensive Survey. IETE Journal of Research, 2022, 68, 3379-3405.	2.6	31
4	Design and analysis of sinusoidally modulated substrate integrated waveguide and filter. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22912.	1.2	3
5	Circularly polarized CPW fed MIMO/Diversity antenna for Wi-Fi and WLAN applications. Frequenz, 2022, 76, 37-44.	0.9	8
6	Compact circular polarized CPW antenna for WLAN and biomedical applications. Frequenz, 2022, 76, 229-237.	0.9	6
7	CPW-fed metamaterial inspired compact multiband antenna for LTE/5G/WLAN communication. Frequenz, 2022, 76, 401-407.	0.9	7
8	Design and Analysis of Circular Microstrip Patch Antenna for White Space TV Band Application. Wireless Personal Communications, 2022, 126, 3333-3344.	2.7	3
9	Design of cylindrical conformal slotted microstrip patch antenna for wideband applications. International Journal of Electronics Letters, 2021, 9, 459-471.	1.2	2
10	Design of Compact Circular Microstrip Patch Antenna using Parasitic Patch. , 2021, , .		6
11	S-Shaped Metamaterial Ultra-Wideband Directive Patch Antenna. Radioelectronics and Communications Systems, 2018, 61, 394-405.	0.5	7
12	A compact dual-band bandpass SIW filter using uniplanar combination of the CRLH and resonant type metamaterials. Australian Journal of Electrical and Electronics Engineering, 2018, 15, 147-151.	1.2	0
13	Electromagnetic band-gap structured printed antennas: A feature-oriented survey. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21110.	1.2	12
14	Dielectric resonator antennas: An application oriented survey. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21069.	1.2	48
15	Modeling of electromagnetic band gap structures: A review. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21055.	1.2	11
16	Miniaturized UWB multi-resonance patch antenna loaded with novel modified H-shape SRR metamaterial for microspacecraft applications. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1883-1891.	2.6	7
17	PREDICTION OF SLOT-SHAPE, SLOT-SIZE AND INSERTED AIR-GAP OF A MICROSTRIP ANTENNA USING KNOWLEDGE-BASED NEURAL NETWORK. Progress in Electromagnetics Research C, 2016, 65, 23-32.	0.9	2
18	A Novel Multi-Server Authentication Scheme for e-commerce Applications Using Smart Card. Wireless Personal Communications, 2016, 91, 293-312.	2.7	5

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19	Performance enhancement of rectangular microstrip patch antenna using double H shaped metamaterial. Radioelectronics and Communications Systems, 2016, 59, 496-501.	0.5	9
20	Modelling of dielectric resonator antennas using numerical methods: a review. Journal of Microwave Power and Electromagnetic Energy, 2016, 50, 269-293.	0.8	20
21	Which verification qubits perform best for secure communication in noisy channel?. Quantum Information Processing, 2016, 15, 1703-1718.	2.2	28
22	Compact ultra wide band filter using triangular patch resonators. Radioelectronics and Communications Systems, 2015, 58, 151-156.	0.5	2
23	A novel metamaterial for miniaturization and multi-resonance in antenna. Cogent Physics, 2015, 2, 1123595.	0.7	6
24	Modeling of microstrip antennas using neural networks techniques: A review. International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 747-757.	1.2	13
25	A Secure and Efficient Authentication Protocol in Wireless Sensor Network. Wireless Personal Communications, 2015, 81, 17-37.	2.7	18
26	Hardware Neural Networks Modeling for Computing Different Performance Parameters of Rectangular, Circular, and Triangular Microstrip Antennas. Chinese Journal of Engineering, 2014, 2014, 1-11.	1.0	1
27	Estimation of radiation characteristics of different slotted microstrip antennas using a knowledge-based neural networks model. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 673-680.	1.2	6
28	Prediction of Slot Shape and Slot Size for Improving the Performance of Microstrip Antennas Using Knowledge-Based Neural Networks. International Scholarly Research Notices, 2014, 2014, 1-9.	0.9	4
29	Reconfigurable Inverted Circular Patch Antenna for Wireless Applications. International Journal of Advanced Science and Technology, 2014, 70, 55-64.	0.3	2
30	â€œA framework for development of secure softwareâ€• CSI Transactions on ICT, 2013, 1, 143-157.	1.0	10
31	Prediction of Slot-Size and Inserted Air-Gap for Improving the Performance of Rectangular Microstrip Antennas Using Artificial Neural Networks. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1367-1371.	4.0	50
32	A Generalized ANN Model for Analyzing and Synthesizing Rectangular, Circular, and Triangular Microstrip Antennas. Chinese Journal of Engineering, 2013, 2013, 1-9.	1.0	7
33	A Rule-Based Approach for Extraction of Link-Context from Anchor-Text Structure. Advances in Intelligent Systems and Computing, 2013, , 261-271.	0.6	10
34	Fluid Frame Magneto-hydrodynamic Antenna. , 2012, , .		2
35	Timestamp-Based Digital Envelope for Secure Communication Using HECC. Information Security Journal, 2012, 21, 79-87.	1.9	0
36	A generalized neural simulator for computing different parameters of circular/triangular microstrip antennas simultaneously. , 2012, , .		0

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37	Design, analysis and fabrication of rectenna for wireless power transmission - Virtual battery. , 2012, , .		6
38	Robust watermarked image transmission on OFDM wireless network. , 2012, , .		1
39	INVESTIGATION OF CAVITY REFLEX ANTENNA USING CIRCULAR PATCH TYPE FSS SUPERSTRATE. Progress in Electromagnetics Research B, 2012, 42, 141-161.	1.0	5
40	Performance Study of genus 3 Hyperelliptic Curve Cryptosystem. Journal of Information Processing Systems, 2012, 8, 145-158.	0.9	4
41	Design of circular/triangular patch microstrip antennas using a single neural model. , 2011, , .		1
42	Analysis and design of rectangular perturbed corner microstrip patch antenna. , 2011, , .		0
43	A new secure model for quantum key distribution protocol. , 2011, , .		8
44	SLA Based Scheduler for Cloud for Storage & Computational Services. , 2011, , .		10
45	Double Step Analysis of Dielectric Rectangular Waveguides Using Modal Expansions Technique. , 2011, , .		0
46	A novel patch antenna for ultra wideband applications. , 2011, , .		5
47	Enhancement of front to back ratio and directivity with wire medium ε-Near zero metamaterial as superstrate in microstrip patch radiators. , 2011, , .		4
48	Software Implementation of Curve based Cryptography for Constrained Devices. International Journal of Computer Applications, 2011, 24, 18-23.	0.2	10
49	FULL-WAVE ANALYSIS OF DIELECTRIC RECTANGULAR WAVEGUIDES. Progress in Electromagnetics Research M, 2010, 13, 121-131.	0.9	11
50	An Economy Based Storage Grid Federation with a Decentralized Scheduling Technique. , 2010, , .		0
51	Security enforcement using PKI in Semantic Web. , 2010, , .		7
52	Negotiation based advance reservation priority grid scheduler with a penal clause for execution failures. , 2009, , .		2
53	A dynamic priority metascheduler for an SLA-based storage grid. , 2009, , .		0
54	Computation of resonant frequency of annular microstrip antenna loaded with multiple shorting posts. IET Microwaves, Antennas and Propagation, 2008, 2, 1-5.	1.4	7

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55	An effective design of parallel coupled microstrip band pass filter without the spurious bands. , 2008, , .		1
56	An application of fractal geometry to design the microstrip circuits. , 2008, , .		2
57	A Novel High-Performance Patch Radiator. International Journal of Microwave Science and Technology, 2008, 2008, 1-4.	0.6	3
58	A highly efficient Rectangular Microstrip Antenna with hexagonal holes as an Electromagnetic Bandgap structure in the ground plane. , 2008, , .		1
59	MODAL SOLUTIONS FOR JUNCTION PARAMETERS OF DISCONTINUITY PROBLEMS IN DIELECTRIC RECTANGULAR WAVEGUIDES. Progress in Electromagnetics Research, 2008, 87, 233-244.	4.4	3
60	Finline tapers using closed-form expressions for millimeter wave integrated systems. Microwave and Optical Technology Letters, 2007, 49, 2254-2257.	1.4	1
61	Balanced BPSK modulator for Ka-band communication systems. Microwave and Optical Technology Letters, 2007, 49, 3046-3049.	1.4	0
62	Photonic Bandgap Stacked Rectangular Microstrip Antenna for Road Vehicle Communication. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 421-423.	4.0	11
63	Computation of resonant frequency of annular-ring-loaded circular patch using cavity model analysis. Microwave and Optical Technology Letters, 2006, 48, 622-626.	1.4	16
64	An experimental study on the resonant frequency of shorted elliptical patch. , 2006, , .		0
65	LOADED MICROSTRIP DISK RESONATOR EXHIBITS ULTRA-LOW FREQUENCY RESONANCE. Progress in Electromagnetics Research, 2005, 50, 1-12.	4.4	12
66	A NOVEL MICROSTRIP PATCH ANTENNA WITH LARGE IMPEDANCE BANDWIDTH IN VHF/UHF RANG. Progress in Electromagnetics Research, 2005, 54, 83-93.	4.4	28
67	NUMERICAL ANALYSIS OF TWO DIMENSIONAL TAPERED DIELECTRIC WAVEGUIDE. Progress in Electromagnetics Research, 2004, 44, 131-142.	4.4	12
68	Using cavity model analysis to design a dual-band dual-slant-polarized microstrip antenna. Microwave and Optical Technology Letters, 2003, 37, 331-337.	1.4	1
69	NUMERICAL ANALYSIS OF THE SINGLE STEP DISCONTINUITY IN THE TWO DIMENSIONAL DIELECTRIC WAVE GUIDE. Journal of Electromagnetic Waves and Applications, 2003, 17, 885-900.	1.6	3
70	Resonant frequency of a shorted circular patch with the use of a modified impedance expression for a metallic post. Microwave and Optical Technology Letters, 2002, 33, 252-256.	1.4	13
71	Compact and Tunable Circular Microstrip Patch using Post-Varactor Loading. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2001, 18, 153-157.	3.2	3
72	Investigation of Modes Tunable Circular Patch Radiator with Arbitrarily Located Shorting Posts. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 1999, 16, 109-111.	3.2	7

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73	Resonant frequency of elliptical microstrip patch radiator. International Journal of Electronics, 1990, 69, 385-388.	1.4	7
74	Effect of Centre Post on the Compactness of Shorting Post Loaded Circular Patch. , 0, , .		0