

# Asok De

## List of Publications by Year in descending order

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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	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
2	Dielectric resonator antennas: An application oriented survey. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21069.	1.2	48
3	Key Components of Rectenna System: A Comprehensive Survey. IETE Journal of Research, 2022, 68, 3379-3405.	2.6	31
4	A NOVEL MICROSTRIP PATCH ANTENNA WITH LARGE IMPEDANCE BANDWIDTH IN VHF/UHF RANG. Progress in Electromagnetics Research, 2005, 54, 83-93.	4.4	28
5	Which verification qubits perform best for secure communication in noisy channel?. Quantum Information Processing, 2016, 15, 1703-1718.	2.2	28
6	Modelling of dielectric resonator antennas using numerical methods: a review. Journal of Microwave Power and Electromagnetic Energy, 2016, 50, 269-293.	0.8	20
7	A Secure and Efficient Authentication Protocol in Wireless Sensor Network. Wireless Personal Communications, 2015, 81, 17-37.	2.7	18
8	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
9	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
10	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
11	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
12	NUMERICAL ANALYSIS OF TWO DIMENSIONAL TAPERED DIELECTRIC WAVEGUIDE. Progress in Electromagnetics Research, 2004, 44, 131-142.	4.4	12
13	LOADED MICROSTRIP DISK RESONATOR EXHIBITS ULTRA-LOW FREQUENCY RESONANCE. Progress in Electromagnetics Research, 2005, 50, 1-12.	4.4	12
14	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
15	Photonic Bandgap Stacked Rectangular Microstrip Antenna for Road Vehicle Communication. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 421-423.	4.0	11
16	FULL-WAVE ANALYSIS OF DIELECTRIC RECTANGULAR WAVEGUIDES. Progress in Electromagnetics Research M, 2010, 13, 121-131.	0.9	11
17	Modeling of electromagnetic band gap structures: A review. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21055.	1.2	11
18	SLA Based Scheduler for Cloud for Storage & Computational Services. , 2011, , .		10

#	ARTICLE	IF	CITATIONS
19	â€œA framework for development of secure softwareâ€. CSI Transactions on ICT, 2013, 1, 143-157.	1.0	10
20	Software Implementation of Curve based Cryptography for Constrained Devices. International Journal of Computer Applications, 2011, 24, 18-23.	0.2	10
21	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
22	Performance enhancement of rectangular microstrip patch antenna using double H shaped metamaterial. Radioelectronics and Communications Systems, 2016, 59, 496-501.	0.5	9
23	A new secure model for quantum key distribution protocol. , 2011, , .		8
24	Circularly polarized CPW fed MIMO/Diversity antenna for Wi-Fi and WLAN applications. Frequenz, 2022, 76, 37-44.	0.9	8
25	Resonant frequency of elliptical microstrip patch radiator. International Journal of Electronics, 1990, 69, 385-388.	1.4	7
26	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
27	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
28	Security enforcement using PKI in Semantic Web. , 2010, , .		7
29	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
30	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
31	S-Shaped Metamaterial Ultra-Wideband Directive Patch Antenna. Radioelectronics and Communications Systems, 2018, 61, 394-405.	0.5	7
32	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
33	CPW-fed metamaterial inspired compact multiband antenna for LTE/5G/WLAN communication. Frequenz, 2022, 76, 401-407.	0.9	7
34	Design, analysis and fabrication of rectenna for wireless power transmission - Virtual battery. , 2012, , .		6
35	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
36	A novel metamaterial for miniaturization and multi-resonance in antenna. Cogent Physics, 2015, 2, 1123595.	0.7	6

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37	Design of Compact Circular Microstrip Patch Antenna using Parasitic Patch. , 2021, , .		6
38	Compact circular polarized CPW antenna for WLAN and biomedical applications. Frequenz, 2022, 76, 229-237.	0.9	6
39	A novel patch antenna for ultra wideband applications. , 2011, , .		5
40	INVESTIGATION OF CAVITY REFLEX ANTENNA USING CIRCULAR PATCH TYPE FSS SUPERSTRATE. Progress in Electromagnetics Research B, 2012, 42, 141-161.	1.0	5
41	A Novel Multi-Server Authentication Scheme for e-commerce Applications Using Smart Card. Wireless Personal Communications, 2016, 91, 293-312.	2.7	5
42	Enhancement of front to back ratio and directivity with wire medium &#x03B5;-Near zero metamaterial as superstrate in microstrip patch radiators. , 2011, , .		4
43	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
44	Performance Study of genus 3 Hyperelliptic Curve Cryptosystem. Journal of Information Processing Systems, 2012, 8, 145-158.	0.9	4
45	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
46	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
47	A Novel High-Performance Patch Radiator. International Journal of Microwave Science and Technology, 2008, 2008, 1-4.	0.6	3
48	MODAL SOLUTIONS FOR JUNCTION PARAMETERS OF DISCONTINUITY PROBLEMS IN DIELECTRIC RECTANGULAR WAVEGUIDES. Progress in Electromagnetics Research, 2008, 87, 233-244.	4.4	3
49	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
50	Design and Analysis of Circular Microstrip Patch Antenna for White Space TV Band Application. Wireless Personal Communications, 2022, 126, 3333-3344.	2.7	3
51	An application of fractal geometry to design the microstrip circuits. , 2008, , .		2
52	Negotiation based advance reservation priority grid scheduler with a penal clause for execution failures. , 2009, , .		2
53	Fluid Frame Magneto-hydrodynamic Antenna. , 2012, , .		2
54	Compact ultra wide band filter using triangular patch resonators. Radioelectronics and Communications Systems, 2015, 58, 151-156.	0.5	2

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55	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
56	Design of cylindrical conformal slotted microstrip patch antenna for wideband applications. International Journal of Electronics Letters, 2021, 9, 459-471.	1.2	2
57	Reconfigurable Inverted Circular Patch Antenna for Wireless Applications. International Journal of Advanced Science and Technology, 2014, 70, 55-64.	0.3	2
58	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
59	Finline tapers using closed-form expressions for millimeter wave integrated systems. Microwave and Optical Technology Letters, 2007, 49, 2254-2257.	1.4	1
60	An effective design of parallel coupled microstrip band pass filter without the spurious bands. , 2008, , .		1
61	A highly efficient Rectangular Microstrip Antenna with hexagonal holes as an Electromagnetic Bandgap structure in the ground plane. , 2008, , .		1
62	Design of circular/triangular patch microstrip antennas using a single neural model. , 2011, , .		1
63	Robust watermarked image transmission on OFDM wireless network. , 2012, , .		1
64	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
65	Effect of Centre Post on the Compactness of Shorting Post Loaded Circular Patch. , 0, , .		0
66	An experimental study on the resonant frequency of shorted elliptical patch. , 2006, , .		0
67	Balanced BPSK modulator for Ka-band communication systems. Microwave and Optical Technology Letters, 2007, 49, 3046-3049.	1.4	0
68	A dynamic priority metascheduler for an SLA-based storage grid. , 2009, , .		0
69	An Economy Based Storage Grid Federation with a Decentralized Scheduling Technique. , 2010, , .		0
70	Analysis and design of rectangular perturbed corner microstrip patch antenna. , 2011, , .		0
71	Double Step Analysis of Dielectric Rectangular Waveguides Using Modal Expansions Technique. , 2011, , .		0
72	Timestamp-Based Digital Envelope for Secure Communication Using HECC. Information Security Journal, 2012, 21, 79-87.	1.9	0

#	ARTICLE	IF	CITATIONS
73	A generalized neural simulator for computing different parameters of circular/triangular microstrip antennas simultaneously. , 2012, , .		0
74	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