

Soumen Banerjee

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

399
citations

1684129

5
h-index

1372553

10
g-index

51
all docs

51
docs citations

51
times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of skin disease using metaheuristic supported artificial neural networks. , 2017, , .		37
2	Image based skin disease detection using hybrid neural network coupled bag-of-features. , 2017, , .		34
3	Biomedical image enhancement based on modified Cuckoo Search and morphology. , 2017, , .		30
4	Cuckoo search coupled artificial neural network in detection of chronic kidney disease. , 2017, , .		29
5	SIW based compact and dual-band equilateral triangular antennas. Journal of Electromagnetic Waves and Applications, 2016, 30, 637-650.	1.6	26
6	Cellular image processing using morphological analysis. , 2017, , .		22
7	Substrate integrated waveguide based triangular antenna arrays. Microwave and Optical Technology Letters, 2016, 58, 675-679.	1.4	21
8	Dermatological effect of UV rays owing to ozone layer depletion. , 2017, , .		19
9	HMSIW-Based Miniaturized Sensing Antennas for S- and C-Band Applications. , 2017, 1, 1-5.		18
10	Bio-medical image enhancement using hybrid metaheuristic coupled soft computing tools. , 2017, , .		18
11	An integrated method for automated biomedical image segmentation. , 2017, , .		18
12	An Unsupervised Fuzzy Clustering Approach for Early Screening of COVID-19 From Radiological Images. IEEE Transactions on Fuzzy Systems, 2022, 30, 2902-2914.	9.8	17
13	Non-dominated sorting genetic algorithm " II supported neural network in classifying forest types. , 2017, , .		15
14	Bag-of-features based classification of dermoscopic images. , 2017, , .		15
15	Bandwidth improvement of substrate integrated waveguide cavity-backed slot antenna with dielectric resonators. Microsystem Technologies, 2020, 26, 1359-1368.	2.0	10
16	High port isolation of a dual polarized microstrip antenna array using DGS. Journal of Electromagnetic Waves and Applications, 2020, 34, 683-696.	1.6	9
17	Slot-loaded compact HMSIW triangular antenna. , 2016, , .		8
18	Detection of HIV-1 progression phases from transcriptional profiles in ex vivo CD4+ and CD8+ T cells using meta-heuristic supported artificial neural network. Multimedia Tools and Applications, 2022, 81, 15103-15126.	3.9	5

#	ARTICLE	IF	CITATIONS
19	Compact One-Sixth Mode Substrate Integrated Waveguide Based Antennas for Wireless Communication and Public Safety Systems. <i>Wireless Personal Communications</i> , 2018, 103, 2909-2925.	2.7	4
20	A Compact Half-Mode SIW Based Semi-circular Antenna with X-Shaped Slot. <i>Springer Proceedings in Physics</i> , 2017, , 449-453.	0.2	4
21	Transfer Learning Coupled Convolution Neural Networks in Detecting Retinal Diseases Using OCT Images. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 153-173.	0.6	4
22	Design of a CPW-fed spiral ring-loaded miniaturized slot antenna. , 2015, , .		3
23	A compact half-mode SIW semi-hexagonal antenna with t-shaped slot. , 2017, , .		3
24	SIW Based Two Element Semi-Circular MIMO Antenna. , 2018, , .		3
25	SIW Based Body Wearable Antenna For IoT Applications. , 2019, , .		3
26	Mobile space charge effect in 4H Silicon Carbide IMPATT diodes. , 2007, , .		2
27	A compact dual-band half-mode SIW based semi-circular antenna. , 2016, , .		2
28	HMSIW based equilateral triangular and semi-circular antennas for WiMAX applications. , 2016, , .		2
29	A miniaturized half-mode siw based semi-circular antenna with arc-shaped slot. , 2017, , .		2
30	Enhancement of Bandwidth of SIW Cavity-backed Slot Antenna through DR Loading. , 2019, , .		2
31	An Optimized Algorithm for Solving Combinatorial Problems using Reference Graph. <i>IOSR Journal of Computer Engineering</i> , 2014, 16, 01-07.	0.1	2
32	Forecasting COVID-19 Outbreak Through Fusion of Internet Search, Social Media, and Air Quality Data: A Retrospective Study in Indian Context. <i>IEEE Transactions on Computational Social Systems</i> , 2023, 10, 1017-1028.	4.4	2
33	Planar FSS Based Dual-Band Wire Monopole Antenna for Multi-Directional Radiation With Diverse Beamwidths. <i>IEEE Access</i> , 2022, 10, 30427-30435.	4.2	2
34	Reduction of Mutual Coupling and Cross-Polarization of Microstrip MIMO Antenna using Electromagnetic Soft Surface (EMSS). <i>Radio Science</i> , 0, , .	1.6	2
35	Effect of punch through factor on the breakdown characteristics of 4H-SiC IMPATT diode. , 2008, , .		1
36	Dehazing technique for natural scene image based on color analysis and restoration with road edge detection. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	Dielectric resonator loaded high-gain half-mode substrate integrated waveguide triangular antenna for microwave imaging and radar applications. SN Applied Sciences, 2019, 1, 1.	2.9	1
38	SUPPRESSION OF HIGHER ORDER MODES OF A TWO ELEMENT MICROSTRIP ARRAY USING OPEN-ENDED STUBS. Progress in Electromagnetics Research Letters, 2019, 82, 121-128.	0.7	1
39	Compact HMSIW Semi-Hexagonal Antennas with Rectangular Slot. , 2019, , .		1
40	Half mode semi-hexagonal SIW antennas and arrays for cellular V2X communication. Microsystem Technologies, 2021, 27, 3639-3651.	2.0	1
41	A proposed theoretical model of Impact Ionization rate under carrier degeneracy considering different scattering phenomena. , 2008, , .		0
42	The Ka-band based study on the optimised bias current density performance of cubic wide band gap semiconductor impatts and its comparison with silicon counterpart. , 2014, , .		0
43	Quarter-mode SIW based compact triangular antenna for 2.5 GHz cellular spectrum. , 2016, , .		0
44	An efficient OCR based technique for barcode reading and editing. , 2017, , .		0
45	Enhancing the gain of a HMSIW Based Semicircular Antenna using Antenna-FSS Composite Structure. , 2019, , .		0
46	Compact Semi-circular Half-mode SIW Antennas. , 2019, , .		0
47	SIW based Semi-Hexagonal Planar Array Antennas for 5.9 GHz Unlicensed Band. , 2019, , .		0
48	Substrate Integrated Waveguide based Antenna for IoT Applications. , 2019, , .		0
49	SIW Based Cavity-Backed Slot Antenna for WiMAX Applications. Lecture Notes in Networks and Systems, 2022, , 417-425.	0.7	0
50	Multi-slot Loaded Dual Band Compact Half-Mode SIW Triangular Antenna. Springer Proceedings in Physics, 2017, , 441-448.	0.2	0
51	FSS superstrate loaded SIW circular cavity-backed cross-shaped slot antenna for wireless applications. Journal of Electromagnetic Waves and Applications, 2022, 36, 2271-2288.	1.6	0