Nisha Gupta

List of Publications by Year
in descending order

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92	836	516710 16	552781 26
papers	citations	h-index	g-index

92	92	92	812
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural refinement, optical and microwave dielectric properties of BaZrO3. Ceramics International, 2012, 38, 2129-2138.	4.8	104
2	Structural and microwave characterization of Ni0.2CoxZn0.8â^'xFe2O4 for antenna applications. Ceramics International, 2014, 40, 1575-1586.	4.8	85
3	Structural, microwave dielectric properties and dielectric resonator antenna studies of Sr(ZrxTi1â^'x)O3 ceramics. Journal of Alloys and Compounds, 2012, 528, 126-134.	5.5	51
4	Electromagnetic absorber design challenges. IEEE Electromagnetic Compatibility Magazine, 2019, 8, 59-65.	0.1	39
5	A Simple Multi-band Metamaterial Absorber with Combined Polarization Sensitive and Polarization Insensitive Characteristics for Terahertz Applications. Plasmonics, 2019, 14, 737-742.	3.4	32
6	The quest for perfect electromagnetic absorber: a review. International Journal of Microwave and Wireless Technologies, 2019, 11, 151-167.	1.9	30
7	Broadband Polarization-Insensitive Inkjet-Printed Conformal Metamaterial Absorber. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1829-1836.	2.2	26
8	Solubility limits and microwave dielectric properties of Ca(ZrxTi1â^'x)O3 solid solution. Journal of Alloys and Compounds, 2013, 546, 216-223.	5.5	25
9	Multiobjective Genetic Optimization of Nonuniform Linear Array With Low Sidelobes and Beamwidth. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1547-1549.	4.0	24
10	Applications of metamaterial sensors: a review. International Journal of Microwave and Wireless Technologies, 2022, 14, 19-33.	1.9	22
11	Ultra Wide Band CPW-Fed Circularly Polarized Microstrip Antenna for Wearable Applications. Wireless Personal Communications, 2019, 108, 87-106.	2.7	21
12	A Novel Ultrathin Checkerboard Inspired Ultrawideband Metasurface Absorber. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 66-74.	2.2	21
13	Characteristics of a compact microstrip antenna. Microwave and Optical Technology Letters, 2004, 40, 158-160.	1.4	19
14	Design of microwave dielectric resonator antenna using MZTOâ€“CSTO composite. Ceramics International, 2012, 38, 2355-2362.	4.8	18
15	MONTE CARLO INTEGRATION TECHNIQUE FOR THE ANALYSIS OF ELECTROMAGNETIC SCATTERING FROM CONDUCTING SURFACES. Progress in Electromagnetics Research, 2008, 79, 91-106.	4.4	17
16	Design of an aperture-coupled microstrip antenna using a hybrid neural network. IET Microwaves, Antennas and Propagation, 2012, 6, 470.	1.4	17
17	Quality of Service Metrics in Wireless Sensor Networks: A Survey. Journal of the Institution of Engineers (India): Series B, 2016, 97, 91-96.	1.9	17
18	Performance Evaluation of AODV, DSDV & DSR for Quasi Random Deployment of Sensor Nodes in Wireless Sensor Networks. , 2011, , .		15

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19	Experimental investigations of wearable antenna on flexible perforated plastic substrate. Microwave and Optical Technology Letters, 2017, 59, 265-270.	1.4	14
20	APPLICATION OF QUASI MONTE CARLO INTEGRATION TECHNIQUE IN EFFICIENT CAPACITANCE COMPUTATION. Progress in Electromagnetics Research, 2009, 90, 309-322.	4.4	11
21	Reduced size bowâ€tie slot monopole antenna for land mine detection. Microwave and Optical Technology Letters, 2010, 52, 122-125.	1.4	11
22	DESIGN OF COMPACT COUPLED MICROSTRIP LINE BAND PASS FILTER WITH IMPROVED STOPBAND CHARACTERISTICS. Progress in Electromagnetics Research C, 2011, 24, 97-109.	0.9	11
23	Compact asymmetric coplanar strip fed Sinc shaped monopole antenna for multiband applications. International Journal of Microwave and Wireless Technologies, 2017, 9, 205-211.	1.9	11
24	A MINIATURIZED WILKINSON POWER DIVIDER USING DGS AND FRACTAL STRUCTURE FOR GSM APPLICATION. Progress in Electromagnetics Research Letters, 2011, 27, 25-31.	0.7	10
25	Design of a front end low noise amplifier for wireless devices. , 2012, , .		10
26	DESIGN OF RADIAL MICROSTRIP BAND PASS FILTER WITH WIDE STOP-BAND CHARACTERISTICS FOR GPS APPLICATION. Progress in Electromagnetics Research C, 2015, 59, 127-134.	0.9	10
27	Optimal sink placement in backbone assisted wireless sensor networks. Egyptian Informatics Journal, 2016, 17, 217-225.	6.8	10
28	An energy efficient distributed queuing random access (EE-DQRA) MAC protocol for wireless body sensor networks. Wireless Networks, 2020, 26, 2875-2889.	3.0	10
29	An Energy Efficient Adaptive Wake-Up Radio MAC (EEAWuR-MAC) Protocol for IoT Wireless Body Area Networks. Wireless Personal Communications, 2021, 119, 1275.	2.7	10
30	DESIGN OF PLANAR EBG STRUCTURES USING CUCKOO SEARCH ALGORITHM FOR POWER/GROUND NOISE SUPPRESSION. Progress in Electromagnetics Research M, 2013, 28, 145-155.	0.9	8
31	Multifrequency Oscillator-Type Active Printed Antenna Using Chaotic Colpitts Oscillator. International Journal of Microwave Science and Technology, 2014, 2014, 1-10.	0.6	8
32	Screen-Printed Wideband Absorber for the X and Ku Bands. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 1321-1329.	2.2	8
33	Singularity treatment for integral equations in electromagnetic scattering using Monte Carlo integration technique. Microwave and Optical Technology Letters, 2008, 50, 1619-1623.	1.4	7
34	Performance of Microstrip Low-Pass Filter on Electromagnetic Band Gap Ground Plane. IETE Journal of Research, 2010, 56, 230.	2.6	7
35	Ultraâ€compact switchable microstrip bandâ€pass filterâ€“lowâ€pass filter with improved characteristics. Microwave and Optical Technology Letters, 2017, 59, 197-201.	1.4	6
36	Monte Carlo integration Technique in Method of Moments solution of Integral equation. , 2007, , .		5

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37	Multifrequency characteristics of sinc shaped microstrip patch antenna. Microwave and Optical Technology Letters, 2007, 49, 1673-1675.	1.4	5
38	A Crossover Improved Genetic Algorithm and Its Application in Non-Uniform Linear Antenna Arrays. International Journal of Computational Intelligence and Applications, 2017, 16, 1750027.	0.8	5
39	GENETIC ALGORITHM OPTIMIZED ELECTROMAGNETIC BAND GAP STRUCTURE FOR WIDE BAND NOISE SUPPRESSION. Progress in Electromagnetics Research Letters, 2017, 71, 109-115.	0.7	5
40	Coplanar waveguide fed stacked dielectric resonator antenna on safety helmet for rescue workers. Microwave and Optical Technology Letters, 2019, 61, 498-502.	1.4	5
41	The space spectral domain technique applied to a finline configuration. , 1993, 3, 125-126.		4
42	Realization of a compact microstrip antenna: An optimization approach. International Journal of RF and Microwave Computer-Aided Engineering, 2006, 16, 367-373.	1.2	4
43	APPLICATION OF QUASI MONTE CARLO INTEGRATION TECHNIQUE IN EM SCATTERING FROM FINITE CYLINDERS. Progress in Electromagnetics Research Letters, 2009, 9, 109-118.	0.7	4
44	Realization of Chaotic Circuits Using Lambda Diode. Journal of Circuits, Systems and Computers, 2017, 26, 1750189.	1.5	4
45	Design and implementation of inverse legendre microstrip filter. Microwave and Optical Technology Letters, 2017, 59, 69-73.	1.4	4
46	Neural network model for designing monopole antenna. , 2008, , .		3
47	Design and development of bandstop filter using spiral stubs. , 2014, , .		3
48	Detection and correction of errors in linear antenna arrays. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2453.	1.9	3
49	UWB active antenna using dielectric resonator. Microwave and Optical Technology Letters, 2018, 60, 1894-1898.	1.4	3
50	Investigation of periodic structures in a fin line: a space-spectral domain approach. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2708-2710.	4.6	2
51	Design of Aperture Coupled Microstrip Antenna Using Radial Basis Function Networks. Wireless Engineering and Technology, 2010, 01, 64-68.	0.9	2
52	Compact Dual Sincâ€Shaped Monopole Antenna for Dual Band Wireless Applications. Microwave and Optical Technology Letters, 2013, 55, 2883-2888.	1.4	2
53	Dual bandpass filter using SIR for WLAN. , 2015, , .		2
54	Performance evaluation of quasi regular deployment strategy in graph based wireless sensor networks. , 2015, , .		2

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55	A novel wide band-gap structure for improved signal integrity. International Journal of Microwave and Wireless Technologies, 2016, 8, 591-596.	1.9	2
56	Experimental investigation on chaotic oscillator coupled dielectric resonator antenna for medical applications. , 2017, , .		2
57	A Paper Based Perfect Electromagnetic Wave Absorber Using Conducting Grid Pattern. , 2018, , .		2
58	Design Simulation and Analysis of a Polarization-Independent Ultrathin Pixelated Metasurface Absorber. , 2019, , .		2
59	Dispersion characteristics of suspended microstrip line on segmented dielectric substrate. , 1998, , .		1
60	Simulation and experimental evaluation of the low loss grooved lines. , 1998, , .		1
61	Dispersion characteristics of grooved microstrip line (GMSL). IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 611-615.	4.6	1
62	Adaptive antenna using Fuzzy Logic Control. , 2007, , .		1
63	A New Algorithm for Method of Moments Solution of Static Charge Distribution. , 2008, , .		1
64	Multisegment microstrip patch antenna with Y-shaped feed. International Journal of RF and Microwave Computer-Aided Engineering, 2011, 21, 658-664.	1.2	1
65	Multi-segment MPA with T-feed for multi-band wireless communication. International Journal of Electronics, 2012, 99, 491-501.	1.4	1
66	Design of subthreshold wide band down conversion mixer. , 2013, , .		1
67	Design of Wideband Inverted Sinc Shaped Monopole Antenna. , 2014, , .		1
68	A multi band absorber using band gap structures. , 2015, , .		1
69	Evaluation of UWB antenna using chaotic colpitts oscillator. Microwave and Optical Technology Letters, 2016, 58, 2393-2396.	1.4	1
70	Genetic Algorithm Optimized Inkjet Printed Electromagnetic Absorber on Paper Substrate. , 2018, , .		1
71	Impact of Sensing Element Coupled to Lambda Diode Based Chaotic Circuit. Sensor Letters, 2017, 15, 570-574.	0.4	1
72	Monte Carlo Integration Technique for Method of Moments Solution of EFIE in Scattering Problems. Journal of Electromagnetic Analysis and Applications, 2009, 01, 254-258.	0.2	1

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73	Radiation characteristics of microstrip antenna on frequency selective surface absorbing layer. International Journal of Microwave and Wireless Technologies, 2021, 13, 962-968.	1.9	1
74	Metamaterial Inspired Soil Moisture Sensor Using Machine Learning Approach For Accurate Prediction. , 2021, , .		1
75	Analysis of periodic fin line resonators. IET Microwaves Antennas and Propagation, 1995, 142, 411.	1.2	0
76	Space â€•spectralâ€domain approach for the resonant characteristics of fin lines. Microwave and Optical Technology Letters, 1995, 9, 98-100.	1.4	0
77	Space-spectral domain analysis of rectangular fin line resonator. International Journal of Electronics, 1996, 81, 297-310.	1.4	0
78	Characteristics of microstrip transmission line on grooved dielectric substrate. Microwave and Optical Technology Letters, 1998, 17, 55-57.	1.4	0
79	Microstrip Low Pass Filter with Improved Rejection Bandwidth. , 2008, , .		0
80	Research activities in microstrip antenna design and computational electromagnetics group in BIT, Mesra. , 2008, , .		0
81	Printed monopole antennas for wireless devices. , 2008, , .		0
82	EXPERIMENTAL INVESTIGATIONS ON RADIATION CHARACTERISTICS OF IC CHIPS. Progress in Electromagnetics Research Letters, 2009, 7, 161-169.	0.7	0
83	Mitigation of simultaneous switching noise on EBG planes using firefly algorithm. , 2012, , .		0
84	Realization of compact arrays with low side lobes using Biogeography Based Optimization. , 2013, , .		0
85	A 1.2V wide-band reconfigurable mixer for wireless application in 65nm CMOS technology. , 2015, , .		0
86	Microstrip low-pass filter using modified log periodic radial stub. , 2015, , .		0
87	Novel planar power divider for EMC application. , 2015, , .		0
88	Broadband polarization insensitive and angle independent metamaterial absorber. , 2017, , .		0
89	An energy efficient hybrid MAC protocol for smart home networks. Serbian Journal of Electrical Engineering, 2021, 18, 63-73.	0.4	0
90	Interconnect Modeling Using the Quasi Monte Carlo Integration Technique. Advanced Computational Techniques in Electromagnetics, 0, 2012, 1-5.	0.1	0

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91	Design of Wideband Inverted Sinc Shaped Monopole Antenna for Wireless Applications. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2016, 9, 387-398.	0.2	0
92	Parametric Study of an Ultrathin Flexible Wideband Absorber for K Band. , 2021, , .		0