

# Nisha Gupta

## List of Publications by Year in descending order

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docs citations

92  
times ranked

812  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Ultrathin Checkerboard Inspired Ultrawideband Metasurface Absorber. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 66-74.	1.4	21
2	Applications of metamaterial sensors: a review. International Journal of Microwave and Wireless Technologies, 2022, 14, 19-33.	1.5	22
3	Screen-Printed Wideband Absorber for the X and Ku Bands. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 1321-1329.	1.4	8
4	An energy efficient hybrid MAC protocol for smart home networks. Serbian Journal of Electrical Engineering, 2021, 18, 63-73.	0.2	0
5	Broadband Polarization-Insensitive Inkjet-Printed Conformal Metamaterial Absorber. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1829-1836.	1.4	26
6	An Energy Efficient Adaptive Wake-Up Radio MAC (EEAWuR-MAC) Protocol for IoT Wireless Body Area Networks. Wireless Personal Communications, 2021, 119, 1275.	1.8	10
7	Radiation characteristics of microstrip antenna on frequency selective surface absorbing layer. International Journal of Microwave and Wireless Technologies, 2021, 13, 962-968.	1.5	1
8	Metamaterial Inspired Soil Moisture Sensor Using Machine Learning Approach For Accurate Prediction. , 2021, , .		1
9	Parametric Study of an Ultrathin Flexible Wideband Absorber for K Band. , 2021, , .		0
10	An energy efficient distributed queuing random access (EE-DQRA) MAC protocol for wireless body sensor networks. Wireless Networks, 2020, 26, 2875-2889.	2.0	10
11	Ultra Wide Band CPW-Fed Circularly Polarized Microstrip Antenna for Wearable Applications. Wireless Personal Communications, 2019, 108, 87-106.	1.8	21
12	Electromagnetic absorber design challenges. IEEE Electromagnetic Compatibility Magazine, 2019, 8, 59-65.	0.1	39
13	Design Simulation and Analysis of a Polarization-Independent Ultrathin Pixelated Metasurface Absorber. , 2019, , .		2
14	Coplanar waveguide fed stacked dielectric resonator antenna on safety helmet for rescue workers. Microwave and Optical Technology Letters, 2019, 61, 498-502.	0.9	5
15	A Simple Multi-band Metamaterial Absorber with Combined Polarization Sensitive and Polarization Insensitive Characteristics for Terahertz Applications. Plasmonics, 2019, 14, 737-742.	1.8	32
16	The quest for perfect electromagnetic absorber: a review. International Journal of Microwave and Wireless Technologies, 2019, 11, 151-167.	1.5	30
17	A Paper Based Perfect Electromagnetic Wave Absorber Using Conducting Grid Pattern. , 2018, , .		2
18	Genetic Algorithm Optimized Inkjet Printed Electromagnetic Absorber on Paper Substrate. , 2018, , .		1

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19	Detection and correction of errors in linear antenna arrays. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2453.	1.2	3
20	UWB active antenna using dielectric resonator. Microwave and Optical Technology Letters, 2018, 60, 1894-1898.	0.9	3
21	Compact asymmetric coplanar strip fed Sinc shaped monopole antenna for multiband applications. International Journal of Microwave and Wireless Technologies, 2017, 9, 205-211.	1.5	11
22	Realization of Chaotic Circuits Using Lambda Diode. Journal of Circuits, Systems and Computers, 2017, 26, 1750189.	1.0	4
23	Experimental investigations of wearable antenna on flexible perforated plastic substrate. Microwave and Optical Technology Letters, 2017, 59, 265-270.	0.9	14
24	A Crossover Improved Genetic Algorithm and Its Application in Non-Uniform Linear Antenna Arrays. International Journal of Computational Intelligence and Applications, 2017, 16, 1750027.	0.6	5
25	Design and implementation of inverse legendre microstrip filter. Microwave and Optical Technology Letters, 2017, 59, 69-73.	0.9	4
26	Ultra-compact switchable microstrip band-pass filter with improved characteristics. Microwave and Optical Technology Letters, 2017, 59, 197-201.	0.9	6
27	Broadband polarization insensitive and angle independent metamaterial absorber. , 2017, , .		0
28	GENETIC ALGORITHM OPTIMIZED ELECTROMAGNETIC BAND GAP STRUCTURE FOR WIDE BAND NOISE SUPPRESSION. Progress in Electromagnetics Research Letters, 2017, 71, 109-115.	0.4	5
29	Experimental investigation on chaotic oscillator coupled dielectric resonator antenna for medical applications. , 2017, , .		2
30	Impact of Sensing Element Coupled to Lambda Diode Based Chaotic Circuit. Sensor Letters, 2017, 15, 570-574.	0.4	1
31	A novel wide band-gap structure for improved signal integrity. International Journal of Microwave and Wireless Technologies, 2016, 8, 591-596.	1.5	2
32	Evaluation of UWB antenna using chaotic colpitts oscillator. Microwave and Optical Technology Letters, 2016, 58, 2393-2396.	0.9	1
33	Quality of Service Metrics in Wireless Sensor Networks: A Survey. Journal of the Institution of Engineers (India): Series B, 2016, 97, 91-96.	1.3	17
34	Optimal sink placement in backbone assisted wireless sensor networks. Egyptian Informatics Journal, 2016, 17, 217-225.	4.4	10
35	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
36	A 1.2V wide-band reconfigurable mixer for wireless application in 65nm CMOS technology. , 2015, , .		0

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37	A multi band absorber using band gap structures. , 2015, , .		1
38	Microstrip low-pass filter using modified log periodic radial stub. , 2015, , .		0
39	DESIGN OF RADIAL MICROSTRIP BAND PASS FILTER WITH WIDE STOP-BAND CHARACTERISTICS FOR GPS APPLICATION. Progress in Electromagnetics Research C, 2015, 59, 127-134.	0.6	10
40	Novel planar power divider for EMC application. , 2015, , .		0
41	Dual bandpass filter using SIR for WLAN. , 2015, , .		2
42	Performance evaluation of quasi regular deployment strategy in graph based wireless sensor networks. , 2015, , .		2
43	Design of Wideband Inverted Sinc Shaped Monopole Antenna. , 2014, , .		1
44	Design and development of bandstop filter using spiral stubs. , 2014, , .		3
45	Multifrequency Oscillator-Type Active Printed Antenna Using Chaotic Colpitts Oscillator. International Journal of Microwave Science and Technology, 2014, 2014, 1-10.	0.6	8
46	Structural and microwave characterization of Ni <sub>0.2</sub> CoxZn <sub>0.8</sub> xFe <sub>2</sub> O <sub>4</sub> for antenna applications. Ceramics International, 2014, 40, 1575-1586.	2.3	85
47	Realization of compact arrays with low side lobes using Biogeography Based Optimization. , 2013, , .		0
48	Design of subthreshold wide band down conversion mixer. , 2013, , .		1
49	Solubility limits and microwave dielectric properties of Ca(ZrxTi <sub>1-x</sub> )O <sub>3</sub> solid solution. Journal of Alloys and Compounds, 2013, 546, 216-223.	2.8	25
50	Compact Dual Sinc Shaped Monopole Antenna for Dual Band Wireless Applications. Microwave and Optical Technology Letters, 2013, 55, 2883-2888.	0.9	2
51	Multiobjective Genetic Optimization of Nonuniform Linear Array With Low Sidelobes and Beamwidth. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1547-1549.	2.4	24
52	DESIGN OF PLANAR EBG STRUCTURES USING CUCKOO SEARCH ALGORITHM FOR POWER/GROUND NOISE SUPPRESSION. Progress in Electromagnetics Research M, 2013, 28, 145-155.	0.5	8
53	Design of a front end low noise amplifier for wireless devices. , 2012, , .		10
54	Mitigation of simultaneous switching noise on EBG planes using firefly algorithm. , 2012, , .		0

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55	Multi-segment MPA with T-feed for multi-band wireless communication. International Journal of Electronics, 2012, 99, 491-501.	0.9	1
56	Design of an aperture-coupled microstrip antenna using a hybrid neural network. IET Microwaves, Antennas and Propagation, 2012, 6, 470.	0.7	17
57	Structural, microwave dielectric properties and dielectric resonator antenna studies of Sr(ZrTi $_{1-x}$ )O <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2012, 528, 126-134.	2.8	51
58	Structural refinement, optical and microwave dielectric properties of BaZrO <sub>3</sub> . Ceramics International, 2012, 38, 2129-2138.	2.3	104
59	Design of microwave dielectric resonator antenna using MZTO-CSTO composite. Ceramics International, 2012, 38, 2355-2362.	2.3	18
60	Performance Evaluation of AODV, DSDV & DSR for Quasi Random Deployment of Sensor Nodes in Wireless Sensor Networks. , 2011, , .		15
61	DESIGN OF COMPACT COUPLED MICROSTRIP LINE BAND PASS FILTER WITH IMPROVED STOPBAND CHARACTERISTICS. Progress in Electromagnetics Research C, 2011, 24, 97-109.	0.6	11
62	A MINIATURIZED WILKINSON POWER DIVIDER USING DGS AND FRACTAL STRUCTURE FOR GSM APPLICATION. Progress in Electromagnetics Research Letters, 2011, 27, 25-31.	0.4	10
63	Multisegment microstrip patch antenna with Y-shaped feed. International Journal of RF and Microwave Computer-Aided Engineering, 2011, 21, 658-664.	0.8	1
64	Reduced size bow-tie slot monopole antenna for land mine detection. Microwave and Optical Technology Letters, 2010, 52, 122-125.	0.9	11
65	Design of Aperture Coupled Microstrip Antenna Using Radial Basis Function Networks. Wireless Engineering and Technology, 2010, 01, 64-68.	0.6	2
66	Performance of Microstrip Low-Pass Filter on Electromagnetic Band Gap Ground Plane. IETE Journal of Research, 2010, 56, 230.	1.8	7
67	EXPERIMENTAL INVESTIGATIONS ON RADIATION CHARACTERISTICS OF IC CHIPS. Progress in Electromagnetics Research Letters, 2009, 7, 161-169.	0.4	0
68	APPLICATION OF QUASI MONTE CARLO INTEGRATION TECHNIQUE IN EM SCATTERING FROM FINITE CYLINDERS. Progress in Electromagnetics Research Letters, 2009, 9, 109-118.	0.4	4
69	APPLICATION OF QUASI MONTE CARLO INTEGRATION TECHNIQUE IN EFFICIENT CAPACITANCE COMPUTATION. Progress in Electromagnetics Research, 2009, 90, 309-322.	1.6	11
70	Monte Carlo Integration Technique for Method of Moments Solution of EFIE in Scattering Problems. Journal of Electromagnetic Analysis and Applications, 2009, 01, 254-258.	0.1	1
71	Singularity treatment for integral equations in electromagnetic scattering using Monte Carlo integration technique. Microwave and Optical Technology Letters, 2008, 50, 1619-1623.	0.9	7
72	Microstrip Low Pass Filter with Improved Rejection Bandwidth. , 2008, , .		0

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73	Research activities in microstrip antenna design and computational electromagnetics group in BIT, Mesra. , 2008, , .		0
74	A New Algorithm for Method of Moments Solution of Static Charge Distribution. , 2008, , .		1
75	Printed monopole antennas for wireless devices. , 2008, , .		0
76	Neural network model for designing monopole antenna. , 2008, , .		3
77	MONTE CARLO INTEGRATION TECHNIQUE FOR THE ANALYSIS OF ELECTROMAGNETIC SCATTERING FROM CONDUCTING SURFACES. Progress in Electromagnetics Research, 2008, 79, 91-106.	1.6	17
78	Adaptive antenna using Fuzzy Logic Control. , 2007, , .		1
79	Monte Carlo integration Technique in Method of Moments solution of Integral equation. , 2007, , .		5
80	Multifrequency characteristics of sinc shaped microstrip patch antenna. Microwave and Optical Technology Letters, 2007, 49, 1673-1675.	0.9	5
81	Realization of a compact microstrip antenna: An optimization approach. International Journal of RF and Microwave Computer-Aided Engineering, 2006, 16, 367-373.	0.8	4
82	Characteristics of a compact microstrip antenna. Microwave and Optical Technology Letters, 2004, 40, 158-160.	0.9	19
83	Dispersion characteristics of grooved microstrip line (GMSL). IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 611-615.	2.9	1
84	Characteristics of microstrip transmission line on grooved dielectric substrate. Microwave and Optical Technology Letters, 1998, 17, 55-57.	0.9	0
85	Dispersion characteristics of suspended microstrip line on segmented dielectric substrate. , 1998, , .		1
86	Simulation and experimental evaluation of the low loss grooved lines. , 1998, , .		1
87	Space-spectral domain analysis of rectangular fin line resonator. International Journal of Electronics, 1996, 81, 297-310.	0.9	0
88	Analysis of periodic fin line resonators. IET Microwaves Antennas and Propagation, 1995, 142, 411.	1.2	0
89	Space spectral domain approach for the resonant characteristics of fin lines. Microwave and Optical Technology Letters, 1995, 9, 98-100.	0.9	0
90	Investigation of periodic structures in a fin line: a space-spectral domain approach. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2708-2710.	2.9	2

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91	The space spectral domain technique applied to a finline configuration. , 1993, 3, 125-126.		4
92	Interconnect Modeling Using the Quasi Monte Carlo Integration Technique. Advanced Computational Techniques in Electromagnetics, 0, 2012, 1-5.	0.1	0