

Kumar Vaibhav Srivastava

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146
papers

2,697
citations

29
h-index

47
g-index

197
ext. papers

3,767
ext. citations

2.3
avg, IF

5.97
L-index

#	Paper	IF	Citations
146	Polarization-Insensitive Optically Transparent Microwave Metamaterial Absorber Using a Complementary Layer. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 21, 163-167	3.8	7
145	A compact triband circularly polarized meander-loaded monopole antenna. <i>Microwave and Optical Technology Letters</i> , 2022 , 64, 382	1.2	0
144	A Miniaturized Frequency Selective Resorber with Independently Regulated Selective Dual-Transmission Response. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
143	Perforated lightweight microwave metamaterial broadband absorber with discontinuous ground plane. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	0
142	Three-port circularly polarized MIMO antenna for WLAN application with pattern and polarization diversity. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 1927-1934	1.2	3
141	Highly Sensitive Permittivity Sensor Using an Inhomogeneous Metamaterial Cylindrical Waveguide. <i>IEEE Sensors Journal</i> , 2021 , 21, 9120-9127	4	5
140	Polarization insensitive multilayered broadband absorber for L and S bands of the radar spectrum. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 1229-1235	1.2	3
139	Wrapping of Curved Surfaces With Conformal Broadband Metamaterial Microwave Absorber. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	0
138	A Polarization-Insensitive Band-Notched Absorber for Radar Cross Section Reduction. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 259-263	3.8	12
137	Improving performance of mantle cloak for electrically large PEC cylinders by reducing higher-order scattering coefficients. <i>Journal of Electromagnetic Waves and Applications</i> , 2021 , 35, 1176-1191	1.3	0
136	A polarization-insensitive broadband resorber with in-band transmission response. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 3668-3676	1.2	7
135	Controlling Electromagnetic Scattering of a Cylindrical Obstacle Using Concentric Array of Current Sources. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 8044-8052	4.9	2
134	Propagation of wave in a cylindrical waveguide filled with hyperbolic negative index medium. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 3385-3390	1.2	4
133	. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020 , 10, 378-388	1.7	10
132	Analysis and realization of a wideband mantle cloak with improved cloaking performance. <i>Journal of Electromagnetic Waves and Applications</i> , 2020 , 34, 1386-1399	1.3	2
131	Frequency-Shifted Reflection of Electromagnetic Waves Using a Time-Modulated Active Tunable Frequency-Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2937-2944	4.9	11
130	A Dual-Band Tunable Frequency Selective Surface With Independent Wideband Tuning. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1808-1812	3.8	12

129	SCATTERING AND COUPLING REDUCTION OF DIPOLE ANTENNA USING GRADIENT INDEX METAMATERIAL BASED CLOAK. <i>Progress in Electromagnetics Research M</i> , 2020 , 90, 185-193	0.6	
128	. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3064-3072	4	7
127	Fabrication of a non-wettable wearable textile-based metamaterial microwave absorber. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 385304	3	9
126	Polarization Insensitive Resistive Ink based Conformal Absorber for S and C bands 2019 ,		2
125	2019 ,		2
124	Excimer laser micromachining of indium tin oxide for fabrication of optically transparent metamaterial absorbers. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	10
123	Dynamics of Antenna Reactive Energy Using Time-Domain IDM Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1084-1093	4.9	12
122	An Optically Transparent Broadband Microwave Absorber Using Interdigital Capacitance. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 113-117	3.8	43
121	A quad-band dual-polarized monopole antenna for GNSS/UMTS/WLAN/WiMAX applications. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 538-545	1.2	18
120	An ultra-thin compact polarization-independent hexa-band metamaterial absorber. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	18
119	Design and analysis of gradient index metamaterial-based cloak with wide bandwidth and physically realizable material parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	1
118	Modified Cross Correlation Green's Function With FDTD for Characterization of MIMO Antennas in Nonuniform Propagation Environment. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3798-3803	4.9	10
117	Broadband Polarization-Insensitive Tunable Frequency Selective Surface for Wideband Shielding. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018 , 60, 166-172	2	66
116	A Polarization-Insensitive Miniaturized Element Frequency Selective Surface using Meander Lines 2018 ,		2
115	Design of Thin Broadband Microwave Absorber using Combination of Capacitive and Circuit Analog Absorbers 2018 ,		2
114	Cross-Correlation Green Function for Interaction Between Electric and Magnetic Current Sources 2018 ,		2
113	Eight-Port MIMO Antenna for Integrated Narrowband / Ultra-wideband (UWB) Applications 2018 ,		2
112	Polarization-Insensitive Broadband Multilayered Absorber Using Screen Printed Patterns of Resistive Ink. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2489-2493	3.8	31

111	An Angularly Stable Dual-Band FSS With Closely Spaced Resonances Using Miniaturized Unit Cell. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 218-220	2.6	66
110	Polarization-Insensitive Dual-Band Switchable Absorber With Independent Switching. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1687-1690	3.8	17
109	Design and Analysis of Ultrathin Polarization Rotating Frequency Selective Surface Using V-Shaped Slots. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2022-2025	3.8	32
108	Multi-band pattern reconfigurable Yagi-Uda antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017 , 27, e21116	1.5	6
107	Parabolic transformation function-based external cloak with finite and realisable material parameters. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1051-1056	1.6	4
106	A triple band circular polarized monopole antenna for GNSS/UMTS/LTE. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 298-304	1.2	19
105	Ultra-thin dual-band polarization-insensitive conformal metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 348-353	1.2	22
104	Approximated Complementary Cloak With Diagonally Homogeneous Material Parameters Using Shifted Parabolic Coordinate System. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1458-1463	4.9	5
103	New considerations on electromagnetic energy in antenna near-field by time-domain approach 2017 ,		6
102	Transparent broadband metamaterial absorber based on resistive films. <i>Journal of Applied Physics</i> , 2017 , 122, 105105	2.5	75
101	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2469-2472	3.8	49
100	Polarization-Insensitive Single-/Dual-Band Tunable Absorber With Independent Tuning in Wide Frequency Range. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4903-4908	4.9	22
99	A miniaturized-element bandpass frequency selective surface using meander line geometry. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 2484-2489	1.2	5
98	A Polarization-Independent Broadband Multilayer Switchable Absorber Using Active Frequency Selective Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 3147-3150	3.8	26
97	A Wideband Cross Polarization Conversion Using Metasurface. <i>Radio Science</i> , 2017 , 52, 1395-1404	1.4	42
96	A dual-band reconfigurable Yagi-Uda antenna with diverse radiation patterns. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	5
95	Three-Element MIMO Antenna System With Pattern and Polarization Diversity for WLAN Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1163-1166	3.8	76
94	Arbitrary Shaped Reciprocal External Cloak with Nonsingular and Homogeneous Material Parameters Using Expanding Coordinate Transformation. <i>Plasmonics</i> , 2017 , 12, 771-781	2.4	7

93	A compact two-port MIMO antenna with enhanced isolation using SRR-loaded slot-loop 2017 ,		2
92	Dual band complementary split-ring resonator-loaded printed dipole antenna arrays for pattern diversity multiple-input/multiple-output applications. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1113-1123	1.6	16
91	A dual-band conformal metamaterial absorber for curved surface 2016 ,		3
90	Composite-Shaped External Cloaks With Homogeneous Material Properties. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 282-285	3.8	12
89	Design of thin simplified cloak with finite and small dynamic range constitutive tensors. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	5
88	Compact multi-band polarisation-insensitive metamaterial absorber. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 94-101	1.6	34
87	A fractal-based compact broadband polarization insensitive metamaterial absorber using lumped resistors. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 343-347	1.2	29
86	A compact two element MIMO antenna system for pattern and polarization diversity 2016 ,		1
85	Ultra-thin dual-band polarization-insensitive metamaterial absorber for C-band applications 2016 ,		1
84	An ultra-thin triple-band polarization-insensitive metamaterial absorber for S, C and X band applications. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	18
83	A compact dual band four element MIMO antenna for pattern diversity applications 2016 ,		9
82	A broadband transmission polarization rotator using multi layer split rings 2016 ,		1
81	A tunable bandstop frequency selective surface with polarization-insensitive characteristic 2016 ,		1
80	Design and analysis of a broadband single layer circuit analog absorber 2016 ,		1
79	Polarization-Insensitive Single- and Broadband Switchable Absorber/Reflector and Its Realization Using a Novel Biasing Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3665-3670	4.9	66
78	Three-Dimensional Unconditionally Stable LOD-FDTD Methods With Low Numerical Dispersion in the Desired Directions. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3055-3067	4.9	5
77	Design, characterisation and fabrication of a broadband polarisation-insensitive multi-layer circuit analogue absorber. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 850-855	1.6	95
76	An ultra thin polarization insensitive and angularly stable miniaturized frequency selective surface. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2713-2717	1.2	7

75	A polarization-independent single band switchable metamaterial absorber 2016,		8
74	An ultrathin quad-band polarization-insensitive wide-angle metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 697-702	1.2	48
73	Dispersion study on scattering cross section of metamaterial cloak due to various cloaking parameters. <i>Optik</i> , 2015 , 126, 2362-2367	2.5	2
72	LC resonator loaded bandwidth enhanced tri-band planar inverted-F antenna. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1879-1883	1.2	1
71	Circularly polarized bowtie-shaped dielectric resonator antenna excited with asymmetric cross slot. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1723-1727	1.2	13
70	Four-element quad-band multiple-inputmultiple-output antenna employing split-ring resonator and inter-digital capacitor. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1453-1460	1.6	27
69	Wide-angle broadband microwave metamaterial absorber with octave bandwidth. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1160-1166	1.6	39
68	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 4286-4296	4.9	28
67	Variation of permittivity in radial direction in concentric half-split cylindrical dielectric resonator antenna for wideband application. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2015 , 25, 321-329	1.5	6
66	Bandwidth-enhanced dual-band dual-layer polarization-independent ultra-thin metamaterial absorber. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 118, 207-215	2.6	90
65	A compact CRLH unit cell loaded triple-band monopole antenna. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 115-119	1.2	8
64	An Equivalent Circuit Model of FSS-Based Metamaterial Absorber Using Coupled Line Theory. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 511-514	3.8	100
63	Design of a wideband absorber using resistively loaded frequency selective surface 2015,		2
62	Broadband polarization rotator using multilayered metasurfaces 2015,		4
61	Design of a dual-band polarization-insensitive and angular-stable frequency selective surface 2015,		3
60	Gain enhancement of Four Edges Gap-coupled Microstrip Antenna using I-shaped resonators as superstrate 2015,		1
59	A compact penta-band CPW-fed monopole antenna using LC resonator and interdigital capacitor 2015,		2
58	An ultra-thin polarization independent compact fractal shaped metamaterial absorber 2015,		2

57	A broadband polarization-insensitive circuit analog absorber using lumped resistors 2015 ,		3
56	Rounded bevel shaped fed cylindrical dielectric resonator antenna for wideband applications. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2364-2368	1.2	1
55	An ultrathin penta-band polarization-insensitive compact metamaterial absorber for airborne radar applications. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2519-2524	1.2	25
54	MULTI-BAND CYLINDRICAL DIELECTRIC RESONATOR ANTENNA USING PERMITTIVITY VARIATION IN AZIMUTH DIRECTION. <i>Progress in Electromagnetics Research C</i> , 2015 , 59, 11-20	0.9	6
53	Bandwidth enhancement of transformation optics-based cloak with reduced parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 120, 663-668	2.6	9
52	An ultra-thin triple band polarization-insensitive metamaterial absorber for C-band applications 2015 ,		5
51	Gain enhancement of microstrip patch antenna using near-zero index metamaterial (NZIM) lens 2015 ,		14
50	Triple-band polarization-independent metamaterial absorber using destructive interference 2015 ,		6
49	Hexagonal shaped reciprocal external cloak with homogeneous material properties 2015 ,		1
48	Substrate Integrated Waveguide Cavity-Backed Dumbbell-Shaped Slot Antenna for Dual-Frequency Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1314-1317	3.8	52
47	Dual-Band Circularly Polarized Cavity-Backed Crossed-Dipole Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 52-55	3.8	32
46	An Ultrawideband Ultrathin Metamaterial Absorber Based on Circular Split Rings. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1172-1175	3.8	90
45	Design of dual-passband filter using dual mode semicircular dielectric resonators. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 542-547	1.2	5
44	A Compact Microstrip-Fed Triple Band-Notched UWB Monopole Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 396-399	3.8	145
43	Bandwidth-enhanced polarization-insensitive microwave metamaterial absorber and its equivalent circuit model. <i>Journal of Applied Physics</i> , 2014 , 115, 104503	2.5	107
42	A Three-Dimensional Unconditionally Stable Five-Step LOD-FDTD Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1321-1329	4.9	13
41	CRLH Unit-Cell Loaded Multiband Printed Dipole Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 852-855	3.8	38
40	Dual-Polarized Dual-Band Patch Antenna Loaded With Modified Mushroom Unit Cell. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1357-1360	3.8	34

39	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1152-1155	3.8	94
38	Study on ultra-thin dual frequency metamaterial absorber with retrieval of electromagnetic parameters 2014 ,		3
37	A broadband wide angle metamaterial absorber for defense applications 2014 ,		6
36	Substrate integrated waveguide cavity backed slot antenna for dual-frequency application 2014 ,		4
35	Design of a two-dimensional metamaterial cloak with minimum scattering using a quadratic transformation function. <i>Journal of Applied Physics</i> , 2014 , 116, 124501	2.5	27
34	A broadband dumbbell-shaped dielectric resonator antenna. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2944-2947	1.2	5
33	Realisation of controllable transmission zeros by perturbation technique for designing dual-mode filter using substrate integrated hexagonal cavity. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 451-457	1.6	6
32	Triple band polarization-independent ultra-thin metamaterial absorber using electric field-driven LC resonator. <i>Journal of Applied Physics</i> , 2014 , 115, 064508	2.5	151
31	Bandwidth-enhancement of an ultrathin polarization insensitive metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 350-355	1.2	64
30	Dual band polarization-insensitive wide angle metamaterial absorber for radar application 2014 ,		4
29	Dual-band polarization-insensitive metamaterial absorber with bandwidth-enhancement at Ku-band for EMI/EMC application 2014 ,		1
28	A via-less CRLH unit-cell loaded dual-band double-sided printed dipole antenna for GSM/Bluetooth/WLAN applications 2013 ,		3
27	Wideband Ring Dielectric Resonator Antenna With Annular-Shaped Microstrip Feed. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 595-598	3.8	40
26	Stability and dispersion analysis of higher order unconditionally stable three-step locally one-dimensional finite-difference time-domain method. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 954-960	1.6	6
25	Design of a broadband coaxial to substrate integrated waveguide (SIW) transition 2013 ,		11
24	Bandwidth enhancement of substrate integrated waveguide cavity backed slot antenna by offset feeding technique 2013 ,		10
23	Broadband four-element multi-layer multi-permittivity cylindrical dielectric resonator antenna. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 932-937	1.2	9
22	Bandwidth-Enhanced Metamaterial Absorber Using Electric Field Driven Lc Resonator For Airborne Radar Applications. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 2131-2137	1.2	53

21	Asymmetric dual mode band-pass filter design using Substrate Integrated Hexagonal Cavity(SIHC) 2013,		2
20	A Practical Approach: Design of Wideband Cylindrical Dielectric Resonator Antenna With Permittivity Variation in Axial Direction and its Fabrication Using Microwave Laminates. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 2282-2288	1.2	11
19	An ultra-thin polarization independent metamaterial absorber for triple band applications 2013,		6
18	Design of dual-mode substrate integrated hexagonal cavity (SIHC) filter for X-band application 2013,		3
17	An ultra thin metamaterial absorber using electric field driven LC resonator with meander lines 2012,		16
16	Wideband multilayer multi-permittivity half-split cylindrical dielectric resonator antenna. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 2587-2590	1.2	21
15	Two-layer embedded half-split cylindrical dielectric resonator antenna for wideband applications 2012,		3
14	Three-element multilayer multipermittivity cylindrical dielectric resonator antenna for wideband applications with omnidirectional radiation pattern and low cross-polarization. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 2011-2016	1.2	9
13	A novel dual-band hexagonal patch antenna coupled with complementary split ring resonator 2012,		3
12	A compact fourth order 3-step LOD-FDTD method 2012,		1
11	A COMPACT ZEROth ORDER RESONATING ANTENNA USING COMPLEMENTARY SPLIT RING RESONATOR WITH MUSHROOM TYPE OF STRUCTURE. <i>Progress in Electromagnetics Research Letters</i> , 2012 , 28, 139-148	0.5	17
10	Four element multilayer cylindrical dielectric resonator antenna excited by a coaxial probe for wideband applications 2011,		2
9	IMPROVED SPURIOUS FREE PERFORMANCE OF MULTI-LAYER MULTIPERMITTIVITY DIELECTRIC RESONATOR IN MIC ENVIRONMENT. <i>Progress in Electromagnetics Research B</i> , 2011 , 30, 135-156	0.7	5
8	Compact two pole bandpass filter using symmetrical composite right/left handed transmission line with vias 2010,		1
7	An investigation on three element multilayer cylindrical dielectric resonator antenna excited by a coaxial probe for wideband applications 2010,		3
6	Bandpass filter with improved spurious performance using modified ring dielectric resonator in MIC environment. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1426-1431	1.2	2
5	An accurate analysis of numerical dispersion for 3-D ADI-FDTD with artificial anisotropy. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 3109-3112	1.2	
4	An Accurate Analysis of Numerical Dispersion for 3-D ADI-FDTD with Artificial Anisotropy 2007,		1

3	Dispersion and attenuation characteristics of asymmetric multiconductor lines in suspended substrate structure using full-wave modal analysis. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1305-1310	1.2	0
2	A miniaturized triple-band circularly polarized antenna using meander geometry. <i>Journal of Electromagnetic Waves and Applications</i> , 1-9	1.3	0
1	Five-port MIMO antenna for n79-5G band with improved isolation by diversity and decoupling techniques. <i>Journal of Electromagnetic Waves and Applications</i> , 1-15	1.3	3