Kumar Vaibhav Srivastava

List of Publications by Citations

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	Triple band polarization-independent ultra-thin metamaterial absorber using electric field-driven LC resonator. *Journal of Applied Physics*, **2014**, 115, 064508	2.5	151
145	A Compact Microstrip-Fed Triple Band-Notched UWB Monopole Antenna. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 396-399	3.8	145
144	Bandwidth-enhanced polarization-insensitive microwave metamaterial absorber and its equivalent circuit model. *Journal of Applied Physics*, **2014**, 115, 104503	2.5	107
143	An Equivalent Circuit Model of FSS-Based Metamaterial Absorber Using Coupled Line Theory. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 511-514	3.8	100
142	Design, characterisation and fabrication of a broadband polarisation-insensitive multi-layer circuit analogue absorber. *IET Microwaves, Antennas and Propagation*, **2016**, 10, 850-855	1.6	95
141	. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 1152-1155	3.8	94
140	Bandwidth-enhanced dual-band dual-layer polarization-independent ultra-thin metamaterial absorber. *Applied Physics A: Materials Science and Processing*, **2015**, 118, 207-215	2.6	90
139	An Ultrawideband Ultrathin Metamaterial Absorber Based on Circular Split Rings. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 1172-1175	3.8	90
138	Three-Element MIMO Antenna System With Pattern and Polarization Diversity for WLAN Applications. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1163-1166	3.8	76
137	Transparent broadband metamaterial absorber based on resistive films. *Journal of Applied Physics*, **2017**, 122, 105105	2.5	75
136	An Angularly Stable Dual-Band FSS With Closely Spaced Resonances Using Miniaturized Unit Cell. *IEEE Microwave and Wireless Components Letters*, **2017**, 27, 218-220	2.6	66
135	Broadband Polarization-Insensitive Tunable Frequency Selective Surface for Wideband Shielding. *IEEE Transactions on Electromagnetic Compatibility*, **2018**, 60, 166-172	2	66
134	Polarization-Insensitive Single- and Broadband Switchable Absorber/Reflector and Its Realization Using a Novel Biasing Technique. *IEEE Transactions on Antennas and Propagation*, **2016**, 64, 3665-3670	4.9	66
133	Bandwidth-enhancement of an ultrathin polarization insensitive metamaterial absorber. *Microwave and Optical Technology Letters*, **2014**, 56, 350-355	1.2	64
132	Bandwidth-Enhanced Metamaterial Absorber Using Electric FieldDriven Lc Resonator For Airborne Radar Applications. *Microwave and Optical Technology Letters*, **2013**, 55, 2131-2137	1.2	53
131	Substrate Integrated Waveguide Cavity-Backed Dumbbell-Shaped Slot Antenna for Dual-Frequency Applications. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 1314-1317	3.8	52
130	. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 2469-2472	3.8	49

129	An ultrathin quad-band polarization-insensitive wide-angle metamaterial absorber. *Microwave and Optical Technology Letters*, **2015**, 57, 697-702	1.2	48
128	An Optically Transparent Broadband Microwave Absorber Using Interdigital Capacitance. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 113-117	3.8	43
127	A Wideband Cross Polarization Conversion Using Metasurface. *Radio Science*, **2017**, 52, 1395-1404	1.4	42
126	Wideband Ring Dielectric Resonator Antenna With Annular-Shaped Microstrip Feed. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 595-598	3.8	40
125	Wide-angle broadband microwave metamaterial absorber with octave bandwidth. *IET Microwaves, Antennas and Propagation*, **2015**, 9, 1160-1166	1.6	39
124	CRLH Unit-Cell Loaded Multiband Printed Dipole Antenna. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 852-855	3.8	38
123	Compact multi-band polarisation-insensitive metamaterial absorber. *IET Microwaves, Antennas and Propagation*, **2016**, 10, 94-101	1.6	34
122	Dual-Polarized Dual-Band Patch Antenna Loaded With Modified Mushroom Unit Cell. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 1357-1360	3.8	34
121	Design and Analysis of Ultrathin Polarization Rotating Frequency Selective Surface Using V-Shaped Slots. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 2022-2025	3.8	32
120	Dual-Band Circularly Polarized Cavity-Backed Crossed-Dipole Antennas. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 52-55	3.8	32
119	Polarization-Insensitive Broadband Multilayered Absorber Using Screen Printed Patterns of Resistive Ink. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 2489-2493	3.8	31
118	A fractal-based compact broadband polarization insensitive metamaterial absorber using lumped resistors. *Microwave and Optical Technology Letters*, **2016**, 58, 343-347	1.2	29
117	. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 4286-4296	4.9	28
116	Four-element quad-band multiple-input multiple-output antenna employing split-ring resonator and inter-digital capacitor. *IET Microwaves, Antennas and Propagation*, **2015**, 9, 1453-1460	1.6	27
115	Design of a two-dimensional metamaterial cloak with minimum scattering using a quadratic transformation function. *Journal of Applied Physics*, **2014**, 116, 124501	2.5	27
114	A Polarization-Independent Broadband Multilayer Switchable Absorber Using Active Frequency Selective Surface. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 3147-3150	3.8	26
113	An ultrathin penta-band polarization-insensitive compact metamaterial absorber for airborne radar applications. *Microwave and Optical Technology Letters*, **2015**, 57, 2519-2524	1.2	25
112	Ultra-thin dual-band polarization-insensitive conformal metamaterial absorber. *Microwave and Optical Technology Letters*, **2017**, 59, 348-353	1.2	22

111	Polarization-Insensitive Single-/Dual-Band Tunable Absorber With Independent Tuning in Wide Frequency Range. *IEEE Transactions on Antennas and Propagation*, **2017**, 65, 4903-4908	4.9	22
110	Wideband multilayer multi-permittivity half-split cylindrical dielectric resonator antenna. *Microwave and Optical Technology Letters*, **2012**, 54, 2587-2590	1.2	21
109	A triple band circular polarized monopole antenna for GNSS/UMTS/LTE. *Microwave and Optical Technology Letters*, **2017**, 59, 298-304	1.2	19
108	A quad-band dual-polarized monopole antenna for GNSS/UMTS/WLAN/WiMAX applications. *Microwave and Optical Technology Letters*, **2018**, 60, 538-545	1.2	18
107	An ultra-thin compact polarization-independent hexa-band metamaterial absorber. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	18
106	An ultra-thin triple-band polarization-insensitive metamaterial absorber for S, C and X band applications. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	18
105	Polarization-Insensitive Dual-Band Switchable Absorber With Independent Switching. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1687-1690	3.8	17
104	A COMPACT ZEROTH ORDER RESONATING ANTENNA USING COMPLEMENTARY SPLIT RING RESONATOR WITH MUSHROOM TYPE OF STRUCTURE. *Progress in Electromagnetics Research Letters*, **2012**, 28, 139-148	0.5	17
103	Dual band complementary split-ring resonator-loaded printed dipole antenna arrays for pattern diversity multiple-input multiple-output applications. *IET Microwaves, Antennas and Propagation*, **2016**, 10, 1113-1123	1.6	16
102	An ultra thin metamaterial absorber using electric field driven LC resonator with meander lines **2012**,		16
101	Gain enhancement of microstrip patch antenna using near-zero index metamaterial (NZIM) lens **2015**,		14
100	Circularly polarized bowtie-shaped dielectric resonator antenna excited with asymmetric cross slot. *Microwave and Optical Technology Letters*, **2015**, 57, 1723-1727	1.2	13
99	A Three-Dimensional Unconditionally Stable Five-Step LOD-FDTD Method. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 1321-1329	4.9	13
98	Composite-Shaped External Cloaks With Homogeneous Material Properties. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 282-285	3.8	12
97	A Dual-Band Tunable Frequency Selective Surface With Independent Wideband Tuning. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1808-1812	3.8	12
96	Dynamics of Antenna Reactive Energy Using Time-Domain IDM Method. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 1084-1093	4.9	12
95	A Polarization-Insensitive Band-Notched Absorber for Radar Cross Section Reduction. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 259-263	3.8	12
94	Design of a broadband coaxial to substrate integrated waveguide (SIW) transition **2013**,		11

93	A Practical Approach: Design of Wideband Cylindrical Dielectric Resonator Antenna With Permittivity Variation in Axial Direction and its Fabrication Using Microwave Laminates. *Microwave and Optical Technology Letters*, **2013**, 55, 2282-2288	1.2	11
92	Frequency-Shifted Reflection of Electromagnetic Waves Using a Time-Modulated Active Tunable Frequency-Selective Surface. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 2937-2944	4.9	11
91	. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2020**, 10, 378-388	1.7	10
90	Modified Cross Correlation Green Function With FDTD for Characterization of MIMO Antennas in Nonuniform Propagation Environment. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 3798-3803	4.9	10
89	Bandwidth enhancement of substrate integrated waveguide cavity backed slot antenna by offset feeding technique **2013**,		10
88	Excimer laser micromachining of indium tin oxide for fabrication of optically transparent metamaterial absorbers. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	10
87	Fabrication of a non-wettable wearable textile-based metamaterial microwave absorber. *Journal Physics D: Applied Physics*, **2019**, 52, 385304	3	9
86	Bandwidth enhancement of transformation optics-based cloak with reduced parameters. *Applied Physics A: Materials Science and Processing*, **2015**, 120, 663-668	2.6	9
85	Three-element multilayer multipermittivity cylindrical dielectric resonator antenna for wideband applications with omnidirectional radiation pattern and low cross-polarization. *Microwave and Optical Technology Letters*, **2012**, 54, 2011-2016	1.2	9
84	Broadband four-element multi-layer multi-permittivity cylindrical dielectric resonator antenna. *Microwave and Optical Technology Letters*, **2013**, 55, 932-937	1.2	9
83	A compact dual band four element MIMO antenna for pattern diversity applications **2016**,		9
82	A compact CRLH unit cell loaded triple-band monopole antenna. *Microwave and Optical Technology Letters*, **2015**, 57, 115-119	1.2	8
81	A polarization-independent single band switchable metamaterial absorber **2016**,		8
80	. *Journal of Lightwave Technology*, **2019**, 37, 3064-3072	4	7
79	A polarization-insensitive broadband rasorber with in-band transmission response. *Microwave and Optical Technology Letters*, **2020**, 62, 3668-3676	1.2	7
78	Arbitrary Shaped Reciprocal External Cloak with Nonsingular and Homogeneous Material Parameters Using Expanding Coordinate Transformation. *Plasmonics*, **2017**, 12, 771-781	2.4	7
77	Polarization-Insensitive Optically Transparent Microwave Metamaterial Absorber Using a Complementary Layer. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 21, 163-167	3.8	7
76	An ultra thin polarization insensitive and angularly stable miniaturized frequency selective surface. *Microwave and Optical Technology Letters*, **2016**, 58, 2713-2717	1.2	7

75	Multi-band pattern reconfigurable Yagi-Uda antenna. *International Journal of RF and Microwave Computer-Aided Engineering*, **2017**, 27, e21116	1.5	6
74	Variation of permittivity in radial direction in concentric half-split cylindrical dielectric resonator antenna for wideband application. *International Journal of RF and Microwave Computer-Aided Engineering*, **2015**, 25, 321-329	1.5	6
73	New considerations on electromagnetic energy in antenna near-field by time-domain approach **2017**,		6
72	MULTI-BAND CYLINDRICAL DIELECTRIC RESONATOR ANTENNA USING PERMITTIVITY VARIATION IN AZIMUTH DIRECTION. *Progress in Electromagnetics Research C*, **2015**, 59, 11-20	0.9	6
71	Triple-band polarization-independent metamaterial absorber using destructive interference **2015**,		6
70	A broadband wide angle metamaterial absorber for defense applications **2014**,		6
69	Realisation of controllable transmission zeros by perturbation technique for designing dual-mode filter using substrate integrated hexagonal cavity. *IET Microwaves, Antennas and Propagation*, **2014**, 8, 451-457	1.6	6
68	Stability and dispersion analysis of higher order unconditionally stable three-step locally one-dimensional finite-difference time-domain method. *IET Microwaves, Antennas and Propagation*, **2013**, 7, 954-960	1.6	6
67	An ultra-thin polarization independent metamaterial absorber for triple band applications **2013**,		6
66	Approximated Complementary Cloak With Diagonally Homogeneous Material Parameters Using Shifted Parabolic Coordinate System. *IEEE Transactions on Antennas and Propagation*, **2017**, 65, 1458-1463	4.9	5
65	Design of thin simplified cloak with finite and small dynamic range constitutive tensors. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	5
64	Design of dual-passband filter using dual mode semicircular dielectric resonators. *Microwave and Optical Technology Letters*, **2014**, 56, 542-547	1.2	5
63	A miniaturized-element bandpass frequency selective surface using meander line geometry. *Microwave and Optical Technology Letters*, **2017**, 59, 2484-2489	1.2	5
62	A dual-band reconfigurable Yagi□Uda antenna with diverse radiation patterns. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	5
61	An ultra-thin triple band polarization-insensitive metamaterial absorber for C-band applications **2015**,		5
60	A broadband dumbbell-shaped dielectric resonator antenna. *Microwave and Optical Technology Letters*, **2014**, 56, 2944-2947	1.2	5
59	IMPROVED SPURIOUS FREE PERFORMANCE OF MULTI-LAYER MULTIPERMITTIVITY DIELECTRIC RESONATOR IN MIC ENVIRONMENT. *Progress in Electromagnetics Research B*, **2011**, 30, 135-156	0.7	5
58	Highly Sensitive Permittivity Sensor Using an Inhomogeneous Metamaterial Cylindrical Waveguide. *IEEE Sensors Journal*, **2021**, 21, 9120-9127	4	5

57	Three-Dimensional Unconditionally Stable LOD-FDTD Methods With Low Numerical Dispersion in the Desired Directions. *IEEE Transactions on Antennas and Propagation*, **2016**, 64, 3055-3067	4.9	5
56	Parabolic transformation function-based external cloak with finite and realisable material parameters. *IET Microwaves, Antennas and Propagation*, **2017**, 11, 1051-1056	1.6	4
55	Propagation of wave in a cylindrical waveguide filled with hyperbolic negative index medium. *Microwave and Optical Technology Letters*, **2020**, 62, 3385-3390	1.2	4
54	Broadband polarization rotator using multilayered metasurfaces **2015**,		4
53	Substrate integrated waveguide cavity backed slot antenna for dual-frequency application **2014**,		4
52	Dual band polarization-insensitive wide angle metamaterial absorber for radar application **2014**,		4
51	A dual-band conformal metamaterial absorber for curved surface **2016**,		3
50	Study on ultra-thin dual frequency metamaterial absorber with retrieval of electromagnetic parameters **2014**,		3
49	A via-less CRLH unit-cell loaded dual-band double-sided printed dipole antenna for GSM/Bluetooth/WLAN applications **2013**,		3
48	Design of a dual-band polarization-insensitive and angular-stable frequency selective surface **2015**,		3
47	A broadband polarization-insensitive circuit analog absorber using lumped resistors **2015**,		3
46	Two-layer embedded half-split cylindrical dielectric resonator antenna for wideband applications **2012**,		3
45	Design of dual-mode substrate integrated hexagonal cavity (SIHC) filter for X-band application **2013**,		3
44	An investigation on three element multilayer cylindrical dielectric resonator antenna excited by a coaxial probe for wideband applications **2010**,		3
43	A novel dual-band hexagonal patch antenna coupled with complementary split ring resonator **2012**,		3
42	Three-port circularly polarized MIMO antenna for WLAN application with pattern and polarization diversity. *Microwave and Optical Technology Letters*, **2021**, 63, 1927-1934	1.2	3
41	Polarization insensitive multilayered broadband absorber for L and S bands of the radar spectrum. *Microwave and Optical Technology Letters*, **2021**, 63, 1229-1235	1.2	3
40	Five-port MIMO antenna for n79-5G band with improved isolation by diversity and decoupling techniques. *Journal of Electromagnetic Waves and Applications*,1-15	1.3	3

39	Dispersion study on scattering cross section of metamaterial cloak due to various cloaking parameters. *Optik*, **2015**, 126, 2362-2367	2.5	2
38	Controlling Electromagnetic Scattering of a Cylindrical Obstacle Using Concentric Array of Current Sources. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 8044-8052	4.9	2
37	Analysis and realization of a wideband mantle cloak with improved cloaking performance. *Journal of Electromagnetic Waves and Applications*, **2020**, 34, 1386-1399	1.3	2
36	A compact two-port MIMO antenna with enhanced isolation using SRR-loaded slot-loop **2017**,		2
35	Design of a wideband absorber using resistively loaded frequency selective surface **2015**,		2
34	A compact penta-band CPW-fed monopole antenna using LC resonator and interdigital capacitor **2015**,		2
33	An ultra-thin polarization independent compact fractal shaped metamaterial absorber **2015**,		2
32	Asymmetric dual mode band-pass filter design using Substrate Integrated Hexagonal Cavity(SIHC) **2013**,		2
31	Four element multilayer cylindrical dielectric resonator antenna excited by a coaxial probe for wideband applications **2011**,		2
30	Bandpass filter with improved spurious performance using modified ring dielectric resonator in MIC environment. *Microwave and Optical Technology Letters*, **2008**, 50, 1426-1431	1.2	2
29	Polarization Insensitive Resistive Ink based Conformal Absorber for S and C bands **2019**,		2
28	**2019**,		2
27	A Polarization-Insensitive Miniaturized Element Frequency Selective Surface using Meander Lines **2018**,		2
26	Design of Thin Broadband Microwave Absorber using Combination of Capacitive and Circuit Analog Absorbers **2018**,		2
25	Cross-Correlation Green Function for Interaction Between Electric and Magnetic Current Sources **2018**,		2
24	Eight-Port MIMO Antenna for Integrated Narrowband / Ultra-wideband (UWB) Applications **2018**,		2
23	LC resonator loaded bandwidth enhanced tri-band planar inverted-F antenna. *Microwave and Optical Technology Letters*, **2015**, 57, 1879-1883	1.2	1
22	Design and analysis of gradient index metamaterial-based cloak with wide bandwidth and physically realizable material parameters. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	1

21	Gain enhancement of Four Edges Gap-coupled Microstrip Antenna using I-shaped resonators as superstrate **2015**,		1
20	Rounded bevel shaped fed cylindrical dielectric resonator antenna for wideband applications. *Microwave and Optical Technology Letters*, **2015**, 57, 2364-2368	1.2	1
19	Hexagonal shaped reciprocal external cloak with homogeneous material properties **2015**,		1
18	Dual-band polarization-insensitive metamaterial absorber with bandwidth-enhancement at Ku-band for EMI/EMC application **2014**,		1
17	Compact two pole bandpass filter using symmetrical composite right/left handed transmission line with vias **2010**,		1
16	A compact fourth order 3-step LOD-FDTD method **2012**,		1
15	An Accurate Analysis of Numerical Dispersion for 3-D ADI-FDTD with Artificial Anisotropy **2007**,		1
14	A Miniaturized Frequency Selective Rasorber with Independently Regulated Selective Dual-Transmission Response. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1	3.8	1
13	A compact two element MIMO antenna system for pattern and polarization diversity **2016**,		1
12	Ultra-thin dual-band polarization-insensitive metamaterial absorber for C-band applications **2016**,		1
11	A broadband transmission polarization rotator using multi layer split rings **2016**,		1
10	A tunable bandstop frequency selective surface with polarization-insensitive characteristic **2016**,		1
9	Design and analysis of a broadband single layer circuit analog absorber **2016**,		1
8	Dispersion and attenuation characteristics of asymmetric multiconductor lines in suspended substrate structure using full-wave modal analysis. *Microwave and Optical Technology Letters*, **2006**, 48, 1305-1310	1.2	0
7	A compact triband circularly polarized meander-loaded monopole antenna. *Microwave and Optical Technology Letters*, **2022**, 64, 382	1.2	0
6	Perforated lightweight microwave metamaterial broadband absorber with discontinuous ground plane. *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	0
5	Wrapping of Curved Surfaces With Conformal Broadband Metamaterial Microwave Absorber. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1	3.8	0
4	A miniaturized triple-band circularly polarized antenna using meander geometry. *Journal of Electromagnetic Waves and Applications*,1-9	1.3	0

3	Improving performance of mantle cloak for electrically large PEC cylinders by reducing higher-order scattering coefficients. *Journal of Electromagnetic Waves and Applications*, **2021**, 35, 1176-1191	1.2	0
2	An accurate analysis of numerical dispersion for 3-D ADI-FDTD with artificial anisotropy. *Microwave and Optical Technology Letters*, **2007**, 49, 3109-3112	1.2	
1	SCATTERING AND COUPLING REDUCTION OF DIPOLE ANTENNA USING GRADIENT INDEX METAMATERIAL BASED CLOAK. *Progress in Electromagnetics Research M*, **2020**, 90, 185-193	0.6	