

Saptarshi Ghosh

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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.

79 papers	1,977 citations	26 h-index	43 g-index
104 ext. papers	2,723 ext. citations	2.3 avg, IF	5.77 L-index

#	Paper	IF	Citations
79	Triple band polarization-independent metamaterial absorber with bandwidth enhancement at X-band. <i>Journal of Applied Physics</i> , 2013 , 114, 094514	2.5	167
78	Bandwidth-enhanced polarization-insensitive microwave metamaterial absorber and its equivalent circuit model. <i>Journal of Applied Physics</i> , 2014 , 115, 104503	2.5	107
77	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
76	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
75	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
74	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
73	Transparent broadband metamaterial absorber based on resistive films. <i>Journal of Applied Physics</i> , 2017 , 122, 105105	2.5	75
72	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
71	Broadband Polarization-Insensitive Tunable Frequency Selective Surface for Wideband Shielding. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018 , 60, 166-172	2	66
70	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
69	A Frequency Selective Surface Based Reconfigurable Resorber With Switchable Transmission/Reflection Band. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 29-33	3.8	66
68	Bandwidth-enhancement of an ultrathin polarization insensitive metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 350-355	1.2	64
67	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
66	An ultrathin quad-band polarization-insensitive wide-angle metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 697-702	1.2	48
65	Equivalent circuit model of an ultra-thin polarization-independent triple band metamaterial absorber. <i>AIP Advances</i> , 2014 , 4, 097127	1.5	47
64	An Optically Transparent Broadband Microwave Absorber Using Interdigital Capacitance. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 113-117	3.8	43
63	A Wideband Cross Polarization Conversion Using Metasurface. <i>Radio Science</i> , 2017 , 52, 1395-1404	1.4	42

62	Wide-angle broadband microwave metamaterial absorber with octave bandwidth. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1160-1166	1.6	39
61	Polarisation-insensitive and wide-angle multi-layer metamaterial absorber with variable bandwidths. <i>Electronics Letters</i> , 2015 , 51, 1050-1052	1.1	34
60	Compact multi-band polarisation-insensitive metamaterial absorber. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 94-101	1.6	34
59	Novel Multifunctional Reconfigurable Active Frequency Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1709-1718	4.9	34
58	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
57	Perforated Lightweight Broadband Metamaterial Absorber Based on 3-D Printed Honeycomb. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2379-2383	3.8	31
56	A Multifunctional Reconfigurable Frequency-Selective Surface Using Liquid-Metal Alloy. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 4953-4957	4.9	29
55	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
54	Fluidically Reconfigurable Multifunctional Frequency-Selective Surface With Miniaturization Characteristic. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3857-3865	4.1	27
53	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
52	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
51	Active Frequency Selective Surface to Switch Between Absorption and Transmission Band With Additional Frequency Tuning Capability. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6059-6067	4.9	24
50	Ultra-thin dual-band polarization-insensitive conformal metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 348-353	1.2	22
49	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
48	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
47	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
46	Polarization-Insensitive Dual-Band Switchable Absorber With Independent Switching. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1687-1690	3.8	17
45	Polarisation-independent switchable absorber/reflector. <i>Electronics Letters</i> , 2016 , 52, 1141-1143	1.1	17

44	Low-Cost and Lightweight 3D-Printed Split-Ring Resonator for Chemical Sensing Applications. <i>Sensors</i> , 2018 , 18,	3.8	17
43	Fluidically Switchable Metasurface for Wide Spectrum Absorption. <i>Scientific Reports</i> , 2018 , 8, 10169	4.9	13
42	A Miniaturized Bandpass Frequency Selective Surface Exploiting Three-Dimensional Printing Technique. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1322-1326	3.8	13
41	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
40	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
39	Polarisation-independent tunable absorber with embedded biasing network. <i>Electronics Letters</i> , 2017 , 53, 1176-1178	1.1	10
38	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
37	Switchable reflective metamaterial polarisation rotator. <i>Electronics Letters</i> , 2016 , 52, 1030-1032	1.1	9
36	Design of low-profile broadband capacitive circuit absorber. <i>Electronics Letters</i> , 2016 , 52, 1825-1826	1.1	9
35	Low-cost and miniaturized metamaterial absorber using 3D printed swastika symbol. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 1709-1715	1.2	9
34	A polarization-independent single band switchable metamaterial absorber 2016 ,		8
33	A polarization-insensitive broadband absorber with in-band transmission response. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 3668-3676	1.2	7
32	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
31	Triple-band polarization-independent metamaterial absorber using destructive interference 2015 ,		6
30	A broadband wide angle metamaterial absorber for defense applications 2014 ,		6
29	An ultra-thin polarization independent metamaterial absorber for triple band applications 2013 ,		6
28	Recent progress in angle-insensitive narrowband and broadband metamaterial absorbers. <i>EPJ Applied Metamaterials</i> , 2019 , 6, 12	0.8	5
27	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

26	An ultra-thin triple band polarization-insensitive metamaterial absorber for C-band applications 2015 ,		5
25	A broadband multilayer circuit analog absorber using resistive ink. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 322-328	1.2	5
24	Broadband polarization rotator using multilayered metasurfaces 2015 ,		4
23	Dual band polarization-insensitive wide angle metamaterial absorber for radar application 2014 ,		4
22	A dual-band conformal metamaterial absorber for curved surface 2016 ,		3
21	Study on ultra-thin dual frequency metamaterial absorber with retrieval of electromagnetic parameters 2014 ,		3
20	Design of a dual-band polarization-insensitive and angular-stable frequency selective surface 2015 ,		3
19	A broadband polarization-insensitive circuit analog absorber using lumped resistors 2015 ,		3
18	A microwave metamaterial absorber with wide bandwidth 2016 ,		2
17	Design of a wideband absorber using resistively loaded frequency selective surface 2015 ,		2
16	An ultra-thin polarization independent compact fractal shaped metamaterial absorber 2015 ,		2
15	A Polarization-Insensitive Miniaturized Element Frequency Selective Surface using Meander Lines 2018 ,		2
14	A Polarization-Independent Switchable Absorber with Independently Controllable Absorption Frequencies 2018 ,		2
13	Dual-band polarization-insensitive metamaterial absorber with bandwidth-enhancement at Ku-band for EMI/EMC application 2014 ,		1
12	A dual band metamaterial absorber using electric field driven LC (ELC) and cave ELC structures 2013 ,		1
11	A Miniaturized Frequency Selective Rasorber with Independently Regulated Selective Dual-Transmission Response. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
10	Ultra-thin dual-band polarization-insensitive metamaterial absorber for C-band applications 2016 ,		1
9	A broadband transmission polarization rotator using multi layer split rings 2016 ,		1

8	A tunable bandstop frequency selective surface with polarization-insensitive characteristic 2016 ,	1	
7	Design and analysis of a broadband single layer circuit analog absorber 2016 ,	1	
6	Polarization-Insensitive Switchable Frequency-Selective Resorber/Absorber 2019 ,	1	
5	Miniaturized-Element Frequency Selective Surface based on 2.5-Dimensional Meander Lines 2019 ,	1	
4	Bistate Frequency Selective Surface based on Microfluidic Technology 2018 ,	1	
3	A compact triband circularly polarized meander-loaded monopole antenna. <i>Microwave and Optical Technology Letters</i> , 2022 , 64, 382	1.2	O
2	A miniaturized triple-band circularly polarized antenna using meander geometry. <i>Journal of Electromagnetic Waves and Applications</i> , 1-9	1.3	O
1	Active Metamaterial Frequency Selective Surface (FSS) Based Tunable Radar Absorbing Structure (RAS). <i>Metamaterials Science and Technology</i> , 2022 , 1-43		