

# Saptarshi Ghosh

## 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.

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	A compact triband circularly polarized meander-loaded monopole antenna. <i>Microwave and Optical Technology Letters</i> , <b>2022</b> , 64, 382	1.2	0
78	Active Metamaterial Frequency Selective Surface (FSS) Based Tunable Radar Absorbing Structure (RAS). <i>Metamaterials Science and Technology</i> , <b>2022</b> , 1-43		
77	A Miniaturized Frequency Selective Resorber with Independently Regulated Selective Dual-Transmission Response. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	1
76	A broadband multilayer circuit analog absorber using resistive ink. <i>Microwave and Optical Technology Letters</i> , <b>2021</b> , 63, 322-328	1.2	5
75	A Polarization-Insensitive Band-Notched Absorber for Radar Cross Section Reduction. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 259-263	3.8	12
74	A polarization-insensitive broadband resorber with in-band transmission response. <i>Microwave and Optical Technology Letters</i> , <b>2020</b> , 62, 3668-3676	1.2	7
73	Low-cost and miniaturized metamaterial absorber using 3D printed swastika symbol. <i>Microwave and Optical Technology Letters</i> , <b>2020</b> , 62, 1709-1715	1.2	9
72	A Dual-Band Tunable Frequency Selective Surface With Independent Wideband Tuning. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1808-1812	3.8	12
71	Active Frequency Selective Surface to Switch Between Absorption and Transmission Band With Additional Frequency Tuning Capability. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6059-6067	4.9	24
70	Recent progress in angle-insensitive narrowband and broadband metamaterial absorbers. <i>EPJ Applied Metamaterials</i> , <b>2019</b> , 6, 12	0.8	5
69	A Miniaturized Bandpass Frequency Selective Surface Exploiting Three-Dimensional Printing Technique. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 1322-1326	3.8	13
68	Polarization-Insensitive Switchable Frequency-Selective Resorber/Absorber <b>2019</b> ,		1
67	Miniaturized-Element Frequency Selective Surface based on 2.5-Dimensional Meander Lines <b>2019</b> ,		1
66	Excimer laser micromachining of indium tin oxide for fabrication of optically transparent metamaterial absorbers. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	10
65	Novel Multifunctional Reconfigurable Active Frequency Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 1709-1718	4.9	34
64	A Frequency Selective Surface Based Reconfigurable Resorber With Switchable Transmission/Reflection Band. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 29-33	3.8	66
63	An Optically Transparent Broadband Microwave Absorber Using Interdigital Capacitance. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 113-117	3.8	43

62	An ultra-thin compact polarization-independent hexa-band metamaterial absorber. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	18
61	Fluidically Reconfigurable Multifunctional Frequency-Selective Surface With Miniaturization Characteristic. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 3857-3865	4.1	27
60	A Multifunctional Reconfigurable Frequency-Selective Surface Using Liquid-Metal Alloy. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4953-4957	4.9	29
59	Fluidically Switchable Metasurface for Wide Spectrum Absorption. <i>Scientific Reports</i> , <b>2018</b> , 8, 10169	4.9	13
58	Broadband Polarization-Insensitive Tunable Frequency Selective Surface for Wideband Shielding. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2018</b> , 60, 166-172	2	66
57	Bistate Frequency Selective Surface based on Microfluidic Technology <b>2018</b> ,		1
56	A Polarization-Insensitive Miniaturized Element Frequency Selective Surface using Meander Lines <b>2018</b> ,		2
55	A Polarization-Independent Switchable Absorber with Independently Controllable Absorption Frequencies <b>2018</b> ,		2
54	Perforated Lightweight Broadband Metamaterial Absorber Based on 3-D Printed Honeycomb. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 2379-2383	3.8	31
53	Low-Cost and Lightweight 3D-Printed Split-Ring Resonator for Chemical Sensing Applications. <i>Sensors</i> , <b>2018</b> , 18,	3.8	17
52	An Angularly Stable Dual-Band FSS With Closely Spaced Resonances Using Miniaturized Unit Cell. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2017</b> , 27, 218-220	2.6	66
51	Polarization-Insensitive Dual-Band Switchable Absorber With Independent Switching. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1687-1690	3.8	17
50	Design and Analysis of Ultrathin Polarization Rotating Frequency Selective Surface Using V-Shaped Slots. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 2022-2025	3.8	32
49	Ultra-thin dual-band polarization-insensitive conformal metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 348-353	1.2	22
48	Polarisation-independent tunable absorber with embedded biasing network. <i>Electronics Letters</i> , <b>2017</b> , 53, 1176-1178	1.1	10
47	Transparent broadband metamaterial absorber based on resistive films. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 105105	2.5	75
46	Polarization-Insensitive Single-/Dual-Band Tunable Absorber With Independent Tuning in Wide Frequency Range. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4903-4908	4.9	22
45	A miniaturized-element bandpass frequency selective surface using meander line geometry. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2484-2489	1.2	5

44	A Polarization-Independent Broadband Multilayer Switchable Absorber Using Active Frequency Selective Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 3147-3150	3.8	26
43	A Wideband Cross Polarization Conversion Using Metasurface. <i>Radio Science</i> , <b>2017</b> , 52, 1395-1404	1.4	42
42	Switchable reflective metamaterial polarisation rotator. <i>Electronics Letters</i> , <b>2016</b> , 52, 1030-1032	1.1	9
41	A microwave metamaterial absorber with wide bandwidth <b>2016</b> ,		2
40	Design of low-profile broadband capacitive circuit absorber. <i>Electronics Letters</i> , <b>2016</b> , 52, 1825-1826	1.1	9
39	A dual-band conformal metamaterial absorber for curved surface <b>2016</b> ,		3
38	Compact multi-band polarisation-insensitive metamaterial absorber. <i>IET Microwaves, Antennas and Propagation</i> , <b>2016</b> , 10, 94-101	1.6	34
37	A fractal-based compact broadband polarization insensitive metamaterial absorber using lumped resistors. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 343-347	1.2	29
36	Ultra-thin dual-band polarization-insensitive metamaterial absorber for C-band applications <b>2016</b> ,		1
35	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> , <b>2016</b> , 122, 1	2.6	18
34	A broadband transmission polarization rotator using multi layer split rings <b>2016</b> ,		1
33	A tunable bandstop frequency selective surface with polarization-insensitive characteristic <b>2016</b> ,		1
32	Design and analysis of a broadband single layer circuit analog absorber <b>2016</b> ,		1
31	Polarization-Insensitive Single- and Broadband Switchable Absorber/Reflector and Its Realization Using a Novel Biasing Technique. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3665-3670	4.9	66
30	Design, characterisation and fabrication of a broadband polarisation-insensitive multi-layer circuit analogue absorber. <i>IET Microwaves, Antennas and Propagation</i> , <b>2016</b> , 10, 850-855	1.6	95
29	An ultra thin polarization insensitive and angularly stable miniaturized frequency selective surface. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 2713-2717	1.2	7
28	Polarisation-independent switchable absorber/reflector. <i>Electronics Letters</i> , <b>2016</b> , 52, 1141-1143	1.1	17
27	A polarization-independent single band switchable metamaterial absorber <b>2016</b> ,		8

26	An ultrathin quad-band polarization-insensitive wide-angle metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 697-702	1.2	48
25	Polarisation-insensitive and wide-angle multi-layer metamaterial absorber with variable bandwidths. <i>Electronics Letters</i> , <b>2015</b> , 51, 1050-1052	1.1	34
24	Wide-angle broadband microwave metamaterial absorber with octave bandwidth. <i>IET Microwaves, Antennas and Propagation</i> , <b>2015</b> , 9, 1160-1166	1.6	39
23	Bandwidth-enhanced dual-band dual-layer polarization-independent ultra-thin metamaterial absorber. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 118, 207-215	2.6	90
22	An Equivalent Circuit Model of FSS-Based Metamaterial Absorber Using Coupled Line Theory. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 511-514	3.8	100
21	Design of a wideband absorber using resistively loaded frequency selective surface <b>2015</b> ,		2
20	Broadband polarization rotator using multilayered metasurfaces <b>2015</b> ,		4
19	Design of a dual-band polarization-insensitive and angular-stable frequency selective surface <b>2015</b> ,		3
18	An ultra-thin polarization independent compact fractal shaped metamaterial absorber <b>2015</b> ,		2
17	A broadband polarization-insensitive circuit analog absorber using lumped resistors <b>2015</b> ,		3
16	An ultrathin penta-band polarization-insensitive compact metamaterial absorber for airborne radar applications. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 2519-2524	1.2	25
15	An ultra-thin triple band polarization-insensitive metamaterial absorber for C-band applications <b>2015</b> ,		5
14	Triple-band polarization-independent metamaterial absorber using destructive interference <b>2015</b> ,		6
13	An Ultrawideband Ultrathin Metamaterial Absorber Based on Circular Split Rings. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 1172-1175	3.8	90
12	Bandwidth-enhanced polarization-insensitive microwave metamaterial absorber and its equivalent circuit model. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 104503	2.5	107
11	Study on ultra-thin dual frequency metamaterial absorber with retrieval of electromagnetic parameters <b>2014</b> ,		3
10	A broadband wide angle metamaterial absorber for defense applications <b>2014</b> ,		6
9	Equivalent circuit model of an ultra-thin polarization-independent triple band metamaterial absorber. <i>AIP Advances</i> , <b>2014</b> , 4, 097127	1.5	47

8	Bandwidth-enhancement of an ultrathin polarization insensitive metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 350-355	1.2	64
7	Dual band polarization-insensitive wide angle metamaterial absorber for radar application <b>2014</b> ,		4
6	Dual-band polarization-insensitive metamaterial absorber with bandwidth-enhancement at Ku-band for EMI/EMC application <b>2014</b> ,		1
5	Triple band polarization-independent metamaterial absorber with bandwidth enhancement at X-band. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 094514	2.5	167
4	Bandwidth-Enhanced Metamaterial Absorber Using Electric Field Driven Lc Resonator For Airborne Radar Applications. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 2131-2137	1.2	53
3	An ultra-thin polarization independent metamaterial absorber for triple band applications <b>2013</b> ,		6
2	A dual band metamaterial absorber using electric field driven LC (ELC) and cave ELC structures <b>2013</b> ,		1
1	A miniaturized triple-band circularly polarized antenna using meander geometry. <i>Journal of Electromagnetic Waves and Applications</i> , 1-9	1.3	0