Shuo Liu

List of Publications by Year
in descending order

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43	6,090	147566	253896
papers	citations	31	43
		h-index	g-index

44	44	44	3319
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anisotropic Metasurface Holography in 3-D Space With High Resolution and Efficiency. IEEE Transactions on Antennas and Propagation, 2021, 69, 302-316.	3.1	34
2	Estimation of spatial extreme sea levels in Xiamen seas by the quadrature JPM-OS method. Natural Hazards, 2021, 106, 327-348.	1.6	3
3	Non-Hermitian Skin Effect in a Non-Hermitian Electrical Circuit. Research, 2021, 2021, 5608038.	2.8	79
4	Information theory of metasurfaces. National Science Review, 2020, 7, 561-571.	4.6	34
5	Controls of transmitted electromagnetic waves for diverse functionalities using polarization-selective dual-band 2 bit coding metasurface. Journal of Optics (United Kingdom), 2020, 22, 015104.	1.0	10
6	Information Metamaterial Systems. IScience, 2020, 23, 101403.	1.9	132
7	Octupole corner state in a three-dimensional topological circuit. Light: Science and Applications, 2020, 9, 145.	7.7	45
8	Gain- and Loss-Induced Topological Insulating Phase in a Non-Hermitian Electrical Circuit. Physical Review Applied, 2020, 13, .	1.5	77
9	Real-time terahertz meta-cryptography using polarization-multiplexed graphene-based computer-generated holograms. Nanophotonics, 2020, 9, 2861-2877.	2.9	36
10	Research progress of information metamaterials. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 158101.	0.2	9
11	Flexible controls of broadband electromagnetic wavefronts with a mechanically programmable metamaterial. Scientific Reports, 2019, 9, 1809.	1.6	15
12	Single-Equipment with Multiple-Application for an Automated Robot-Car Control System. Sensors, 2019, 19, 662.	2.1	11
13	Full controls of OAM vortex beam and realization of retro and negative reflections at oblique incidence using dual-band 2-bit coding metasurface. Materials Research Express, 2019, 6, 125804.	0.8	18
14	Programmable time-domain digital-coding metasurface for non-linear harmonic manipulation and new wireless communication systems. National Science Review, 2019, 6, 231-238.	4.6	298
15	Machineâ€Learning Designs of Anisotropic Digital Coding Metasurfaces. Advanced Theory and Simulations, 2019, 2, 1800132.	1.3	100
16	Direct Transmission of Digital Message via Programmable Coding Metasurface. Research, 2019, 2019, 1-12.	2.8	22
17	Topologically Protected Edge State in Two-Dimensional Suâ€“Schriefferâ€“Heeger Circuit. Research, 2019, 2019, 1-8.	2.8	7
18	Direct Transmission of Digital Message via Programmable Coding Metasurface. Research, 2019, 2019, 2584509.	2.8	115

#	Article	IF	Citations
19	Topologically Protected Edge State in Two-Dimensional Suâ€“Schriefferâ€“Heeger Circuit. Research, 2019, 2019, 8609875.	2.8	55
20	An Automation System for Controlling Streetlights and Monitoring Objects Using Arduino. Sensors, 2018, 18, 3178.	2.1	24
21	Space-time-coding digital metasurfaces. Nature Communications, 2018, 9, 4334.	5.8	728
22	A novel EM concentrator with open-concentrator region based on multi-folded transformation optics. Scientific Reports, 2018, 8, 9641.	1.6	16
23	Realization of Low Scattering for a High-Gain Fabryâ€“Perot Antenna Using Coding Metasurface. IEEE Transactions on Antennas and Propagation, 2017, 65, 3374-3383.	3.1	141
24	Information metamaterials and metasurfaces. Journal of Materials Chemistry C, 2017, 5, 3644-3668.	2.7	297
25	Concepts, Working Principles, and Applications of Coding and Programmable Metamaterials. Advanced Optical Materials, 2017, 5, 1700624.	3.6	133
26	Spin-Controlled Multiple Pencil Beams and Vortex Beams with Different Polarizations Generated by Pancharatnam-Berry Coding Metasurfaces. ACS Applied Materials & Interfaces, 2017, 9, 36447-36455.	4.0	205
27	Coding Metasurfaces for Diffuse Scattering: Scaling Laws, Bounds, and Suboptimal Design. Advanced Optical Materials, 2017, 5, 1700455.	3.6	123
28	Electromagnetic reprogrammable coding-metasurface holograms. Nature Communications, 2017, 8, 197.	5.8	747
29	Flexible Controls of Terahertz Waves Using Coding and Programmable Metasurfaces. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-12.	1.9	37
30	Full-State Controls of Terahertz Waves Using Tensor Coding Metasurfaces. ACS Applied Materials & Interfaces, 2017, 9, 21503-21514.	4.0	66
31	Anisotropic coding metamaterials and their powerful manipulation of differently polarized terahertz waves. Light: Science and Applications, 2016, 5, e16076-e16076.	7.7	422
32	Frequencyâ€Dependent Dualâ€Functional Coding Metasurfaces at Terahertz Frequencies. Advanced Optical Materials, 2016, 4, 1965-1973.	3.6	125
33	Anomalous Refraction and Nondiffractive Bessel-Beam Generation of Terahertz Waves through Transmission-Type Coding Metasurfaces. ACS Photonics, 2016, 3, 1968-1977.	3.2	175
34	Convolution Operations on Coding Metasurface to Reach Flexible and Continuous Controls of Terahertz Beams. Advanced Science, 2016, 3, 1600156.	5.6	343
35	Information entropy of coding metasurface. Light: Science and Applications, 2016, 5, e16172-e16172.	7.7	253
36	Controlling the Bandwidth of Terahertz Lowâ€Scattering Metasurfaces. Advanced Optical Materials, 2016, 4, 1773-1779.	3.6	39

#	Article	IF	Citations
37	Metasurfaces: Controlling the Bandwidth of Terahertz Low-Scattering Metasurfaces (Advanced) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.6	0
38	Electromagnetically induced transparency metamaterial based on spoof localized surface plasmons at terahertz frequencies. Scientific Reports, 2016, 6, 27596.	1.6	40
39	Terahertz Broadband Lowâ€Reflection Metasurface by Controlling Phase Distributions. Advanced Optical Materials, 2015, 3, 1405-1410.	3.6	105
40	A broadband terahertz absorber using multi-layer stacked bars. Applied Physics Letters, 2015, 106, .	1.5	289
41	Broadband diffusion of terahertz waves by multi-bit coding metasurfaces. Light: Science and Applications, 2015, 4, e324-e324.	7.7	461
42	Broadband amplification of spoof surface plasmon polaritons at microwave frequencies. Laser and Photonics Reviews, 2015, 9, 83-90.	4.4	204
43	A general theory to analyse and design wireless power transfer based on impedance matching. International Journal of Electronics, 2014, 101, 1375-1404.	0.9	15