

Ying Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3703034/publications.pdf>

Version: 2024-02-01

48
papers

3,985
citations

159358
30
h-index

214527
47
g-index

48
all docs

48
docs citations

48
times ranked

2952
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine-learning reprogrammable metasurface imager. <i>Nature Communications</i> , 2019, 10, 1082.	5.8	343
2	Hybrid bilayer plasmonic metasurface efficiently manipulates visible light. <i>Science Advances</i> , 2016, 2, e1501168.	4.7	278
3	Transforming heat transfer with thermal metamaterials and devices. <i>Nature Reviews Materials</i> , 2021, 6, 488-507.	23.3	270
4	Temperature-Dependent Transformation Thermotics: From Switchable Thermal Cloaks to Macroscopic Thermal Diodes. <i>Physical Review Letters</i> , 2015, 115, 195503.	2.9	222
5	Anti-PT-parity-time symmetry in diffusive systems. <i>Science</i> , 2019, 364, 170-173.	6.0	217
6	Illusion Thermotics. <i>Advanced Materials</i> , 2018, 30, e1707237.	11.1	216
7	Structured thermal surface for radiative camouflage. <i>Nature Communications</i> , 2018, 9, 273.	5.8	212
8	Chirality-Assisted High-Efficiency Metasurfaces with Independent Control of Phase, Amplitude, and Polarization. <i>Advanced Optical Materials</i> , 2019, 7, 1801479.	3.6	181
9	Thermal meta-device in analogue of zero-index photonics. <i>Nature Materials</i> , 2019, 18, 48-54.	13.3	172
10	Interference-assisted kaleidoscopic meta-plexer for arbitrary spin-wavefront manipulation. <i>Light: Science and Applications</i> , 2019, 8, 3.	7.7	153
11	Plasmonic-Assisted Graphene Oxide Artificial Muscles. <i>Advanced Materials</i> , 2019, 31, e1806386.	11.1	134
12	Completely Spin-Decoupled Dual-Phase Hybrid Metasurfaces for Arbitrary Wavefront Control. <i>ACS Photonics</i> , 2019, 6, 211-220.	3.2	132
13	Thermal cloak-concentrator. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	112
14	Zero-bias mid-infrared graphene photodetectors with bulk photoresponse and calibration-free polarization detection. <i>Nature Communications</i> , 2020, 11, 6404.	5.8	111
15	Breaking Anti-PT Symmetry by Spinning a Resonator. <i>Nano Letters</i> , 2020, 20, 7594-7599.	4.5	103
16	Temperature Trapping: Energy-Free Maintenance of Constant Temperatures as Ambient Temperature Gradients Change. <i>Physical Review Letters</i> , 2016, 117, 055501.	2.9	95
17	Full-Parameter Omnidirectional Thermal Metadevices of Anisotropic Geometry. <i>Advanced Materials</i> , 2018, 30, e1804019.	11.1	87
18	A Thermal Radiation Modulation Platform by Emissivity Engineering with Graded Metal-Insulator Transition. <i>Advanced Materials</i> , 2020, 32, e1907071.	11.1	75

#	ARTICLE	IF	CITATIONS
19	Localized Self-Growth of Reconfigurable Architectures Induced by a Femtosecond Laser on a Shape-Memory Polymer. <i>Advanced Materials</i> , 2018, 30, e1803072.	11.1	55
20	Tunable analog thermal material. <i>Nature Communications</i> , 2020, 11, 6028.	5.8	55
21	Thermal metamaterial for convergent transfer of conductive heat with high efficiency. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	53
22	Doublet Thermal Metadevice. <i>Physical Review Applied</i> , 2019, 11, .	1.5	52
23	Ultrasensitive Transmissive Infrared Spectroscopy via Loss Engineering of Metallic Nanoantennas for Compact Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47270-47278.	4.0	52
24	Temperature-dependent transformation thermotics for unsteady states: Switchable concentrator for transient heat flow. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1641-1647.	0.9	47
25	Infrared metasurface-enabled compact polarization nanodevices. <i>Materials Today</i> , 2021, 50, 499-515.	8.3	47
26	3D Printed Meta-Helmet for Wide-Angle Thermal Camouflages. <i>Advanced Functional Materials</i> , 2020, 30, 2002061.	7.8	46
27	Ion Write Microthermotics: Programing Thermal Metamaterials at the Microscale. <i>Nano Letters</i> , 2019, 19, 3830-3837.	4.5	45
28	A Continuously Tunable Solid-Like Convective Thermal Metadevice on the Reciprocal Line. <i>Advanced Materials</i> , 2020, 32, e2003823.	11.1	45
29	Complex Inverse Design of Meta-optics by Segmented Hierarchical Evolutionary Algorithm. <i>ACS Nano</i> , 2019, 13, 821-829.	7.3	40
30	Configurable Phase Transitions in a Topological Thermal Material. <i>Physical Review Letters</i> , 2021, 127, 105901.	2.9	31
31	Millikelvin-resolved ambient thermography. <i>Science Advances</i> , 2020, 6, .	4.7	26
32	Path-Dependent Thermal Metadevice beyond Janus Functionalities. <i>Advanced Materials</i> , 2021, 33, e2003084.	11.1	26
33	Diffusive nonreciprocity and thermal diode. <i>Physical Review B</i> , 2021, 103, .	1.1	26
34	Chirality-assisted three-dimensional acoustic Floquet lattices. <i>Physical Review Research</i> , 2019, 1, .	1.3	26
35	Effective medium theory for thermal scattering off rotating structures. <i>Optics Express</i> , 2020, 28, 25894.	1.7	25
36	Reciprocity of thermal diffusion in time-modulated systems. <i>Nature Communications</i> , 2022, 13, 167.	5.8	24

#	ARTICLE	IF	CITATIONS
37	Diffusive skin effect and topological heat funneling. Communications Physics, 2021, 4, .	2.0	21
38	Observation of Weyl exceptional rings in thermal diffusion. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2110018119.	3.3	21
39	Heat transfer control using a thermal analogue of coherent perfect absorption. Nature Communications, 2022, 13, 2683.	5.8	21
40	Phase-Locking Diffusive Skin Effect. Chinese Physics Letters, 2022, 39, 057801.	1.3	19
41	Geometric Phase and Localized Heat Diffusion. Advanced Materials, 2022, 34, .	11.1	18
42	A dissipative self-sustained optomechanical resonator on a silicon chip. Applied Physics Letters, 2018, 112, .	1.5	15
43	High-Order Exceptional Points in Diffusive Systems: Robust APT Symmetry 2 Against Perturbation and Phase Oscillation at APT Symmetry Breaking. ES Energy & Environments, 2019, , .	0.5	14
44	Advection and Thermal Diode. Chinese Physics Letters, 2021, 38, 030501.	1.3	9
45	Cylindrical vector beam sorter with spin-dependent spiral transformation. Optics Letters, 2021, 46, 5563.	1.7	5
46	Light-programmable manipulation of DC field in Laplacian Meta-devices. Scientific Reports, 2018, 8, 12208.	1.6	4
47	Spectrum Manipulation for Sound with Effective Gauge Fields in Cascading Temporally Modulated Waveguides. Physical Review Applied, 2019, 11, .	1.5	4
48	Dual-focal metalenses based on complete decoupling of amplitude, phase, and polarization. URSI Radio Science Bulletin, 2020, 2020, 54-62.	0.2	0