

# Ying Li

## List of Publications by Year in descending order

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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  | Reciprocity of thermal diffusion in time-modulated systems. <i>Nature Communications</i> , 2022, 13, 167.  | 5.8  | 24        |
| 2  | Observation of Weyl exceptional rings in thermal diffusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2110018119. | 3.3  | 21        |
| 3  | Phase-Locking Diffusive Skin Effect. <i>Chinese Physics Letters</i> , 2022, 39, 057801.  | 1.3  | 19        |
| 4  | Heat transfer control using a thermal analogue of coherent perfect absorption. <i>Nature Communications</i> , 2022, 13, 2683.  | 5.8  | 21        |
| 5  | Geometric Phase and Localized Heat Diffusion. <i>Advanced Materials</i> , 2022, 34, .  | 11.1 | 18        |
| 6  | Path-Dependent Thermal Metadevice beyond Janus Functionalities. <i>Advanced Materials</i> , 2021, 33, e2003084.  | 11.1 | 26        |
| 7  | Diffusive nonreciprocity and thermal diode. <i>Physical Review B</i> , 2021, 103, .  | 1.1  | 26        |
| 8  | Transforming heat transfer with thermal metamaterials and devices. <i>Nature Reviews Materials</i> , 2021, 6, 488-507.   | 23.3 | 270       |
| 9  | Advection and Thermal Diode. <i>Chinese Physics Letters</i> , 2021, 38, 030501.  | 1.3  | 9         |
| 10 | Infrared metasurface-enabled compact polarization nanodevices. <i>Materials Today</i> , 2021, 50, 499-515.   | 8.3  | 47        |
| 11 | Configurable Phase Transitions in a Topological Thermal Material. <i>Physical Review Letters</i> , 2021, 127, 105901.  | 2.9  | 31        |
| 12 | Cylindrical vector beam sorter with spin-dependent spiral transformation. <i>Optics Letters</i> , 2021, 46, 5563.  | 1.7  | 5         |
| 13 | Diffusive skin effect and topological heat funneling. <i>Communications Physics</i> , 2021, 4, .   | 2.0  | 21        |
| 14 | Tunable analog thermal material. <i>Nature Communications</i> , 2020, 11, 6028.  | 5.8  | 55        |
| 15 | A Thermal Radiation Modulation Platform by Emissivity Engineering with Graded Metal-Insulator Transition. <i>Advanced Materials</i> , 2020, 32, e1907071.                    | 11.1 | 75        |
| 16 | Breaking Anti-PT Symmetry by Spinning a Resonator. <i>Nano Letters</i> , 2020, 20, 7594-7599.  | 4.5  | 103       |
| 17 | A Continuously Tunable Solid-Like Convective Thermal Metadevice on the Reciprocal Line. <i>Advanced Materials</i> , 2020, 32, e2003823.                                      | 11.1 | 45        |
| 18 | Zero-bias mid-infrared graphene photodetectors with bulk photoresponse and calibration-free polarization detection. <i>Nature Communications</i> , 2020, 11, 6404.           | 5.8  | 111       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Millikelvin-resolved ambient thermography. <i>Science Advances</i> , 2020, 6, .  | 4.7  | 26        |
| 20 | 3D Printed Meta-Helmet for Wide-Angle Thermal Camouflages. <i>Advanced Functional Materials</i> , 2020, 30, 2002061.   | 7.8  | 46        |
| 21 | Effective medium theory for thermal scattering off rotating structures. <i>Optics Express</i> , 2020, 28, 25894.   | 1.7  | 25        |
| 22 | Dual-focal metalenses based on complete decoupling of amplitude, phase, and polarization. <i>URSI Radio Science Bulletin</i> , 2020, 2020, 54-62.  | 0.2  | 0         |
| 23 | Plasmonic-Assisted Graphene Oxide Artificial Muscles. <i>Advanced Materials</i> , 2019, 31, e1806386.  | 11.1 | 134       |
| 24 | Chirality-Assisted High-Efficiency Metasurfaces with Independent Control of Phase, Amplitude, and Polarization. <i>Advanced Optical Materials</i> , 2019, 7, 1801479.                        | 3.6  | 181       |
| 25 | Spectrum Manipulation for Sound with Effective Gauge Fields in Cascading Temporally Modulated Waveguides. <i>Physical Review Applied</i> , 2019, 11, .                                       | 1.5  | 4         |
| 26 | Ion Write Microthermotics: Programing Thermal Metamaterials at the Microscale. <i>Nano Letters</i> , 2019, 19, 3830-3837.  | 4.5  | 45        |
| 27 | Machine-learning reprogrammable metasurface imager. <i>Nature Communications</i> , 2019, 10, 1082.   | 5.8  | 343       |
| 28 | Doublet Thermal Metadevice. <i>Physical Review Applied</i> , 2019, 11, .   | 1.5  | 52        |
| 29 | Ultrasensitive Transmissive Infrared Spectroscopy via Loss Engineering of Metallic Nanoantennas for Compact Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 47270-47278.  | 4.0  | 52        |
| 30 | Complex Inverse Design of Meta-optics by Segmented Hierarchical Evolutionary Algorithm. <i>ACS Nano</i> , 2019, 13, 821-829.   | 7.3  | 40        |
| 31 | Interference-assisted kaleidoscopic meta-plexer for arbitrary spin-wavefront manipulation. <i>Light: Science and Applications</i> , 2019, 8, 3.  | 7.7  | 153       |
| 32 | Completely Spin-Decoupled Dual-Phase Hybrid Metasurfaces for Arbitrary Wavefront Control. <i>ACS Photonics</i> , 2019, 6, 211-220.   | 3.2  | 132       |
| 33 | Thermal meta-device in analogue of zero-index photonics. <i>Nature Materials</i> , 2019, 18, 48-54.  | 13.3 | 172       |
| 34 | Chirality-assisted three-dimensional acoustic Floquet lattices. <i>Physical Review Research</i> , 2019, 1, .   | 1.3  | 26        |
| 35 | Anti-parity-time symmetry in diffusive systems. <i>Science</i> , 2019, 364, 170-173.   | 6.0  | 217       |
| 36 | High-Order Exceptional Points in Diffusive Systems: Robust APT Symmetry 2 Against Perturbation and Phase Oscillation at APT Symmetry Breaking. <i>ES Energy &amp; Environments</i> , 2019, . | 0.5  | 14        |

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|----|--|------|-----------|
| 37 | Illusion Thermotics. <i>Advanced Materials</i> , 2018, 30, e1707237.   | 11.1 | 216       |
| 38 | A dissipative self-sustained optomechanical resonator on a silicon chip. <i>Applied Physics Letters</i> , 2018, 112, .   | 1.5  | 15        |
| 39 | Structured thermal surface for radiative camouflage. <i>Nature Communications</i> , 2018, 9, 273.  | 5.8  | 212       |
| 40 | 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        |
| 41 | Full-Parameter Omnidirectional Thermal Metadevices of Anisotropic Geometry. <i>Advanced Materials</i> , 2018, 30, e1804019.  | 11.1 | 87        |
| 42 | Light-programmable manipulation of DC field in Laplacian Meta-devices. <i>Scientific Reports</i> , 2018, 8, 12208.   | 1.6  | 4         |
| 43 | Thermal metamaterial for convergent transfer of conductive heat with high efficiency. <i>Applied Physics Letters</i> , 2016, 109, .  | 1.5  | 53        |
| 44 | Thermal cloak-concentrator. <i>Applied Physics Letters</i> , 2016, 109, .  | 1.5  | 112       |
| 45 | Temperature Trapping: Energy-Free Maintenance of Constant Temperatures as Ambient Temperature Gradients Change. <i>Physical Review Letters</i> , 2016, 117, 055501.  | 2.9  | 95        |
| 46 | 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        |
| 47 | Hybrid bilayer plasmonic metasurface efficiently manipulates visible light. <i>Science Advances</i> , 2016, 2, e1501168.   | 4.7  | 278       |
| 48 | Temperature-Dependent Transformation Thermotics: From Switchable Thermal Cloaks to Macroscopic Thermal Diodes. <i>Physical Review Letters</i> , 2015, 115, 195503.   | 2.9  | 222       |