

# Yue Yang

## List of Publications by Year in descending order

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27  
papers

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citations

623734

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526287

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27  
all docs

27  
docs citations

27  
times ranked

652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation-based near-field thermal rectification with phase transition materials. Applied Physics Letters, 2013, 103, .	3.3	161
2	Switchable wavelength-selective and diffuse metamaterial absorber/emitter with a phase transition spacer layer. Applied Physics Letters, 2014, 105, .	3.3	87
3	Spectrally Enhancing Near-Field Radiative Transfer between Metallic Gratings by Exciting Magnetic Polaritons in Nanometric Vacuum Gaps. Physical Review Letters, 2016, 117, 044301.	7.8	76
4	Vacuum thermal switch made of phase transition materials considering thin film and substrate effects. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 158, 69-77.	2.3	75
5	Wavelength-tunable infrared metamaterial by tailoring magnetic resonance condition with VO <sub>2</sub> phase transition. Journal of Applied Physics, 2014, 116, .	2.5	49
6	Near-field radiative heat transfer between metamaterials coated with silicon carbide thin films. Applied Physics Letters, 2015, 106, .	3.3	38
7	Theoretical investigation of broadband absorption enhancement in a-Si thin-film solar cell with nanoparticles. Solar Energy Materials and Solar Cells, 2020, 211, 110529.	6.2	38
8	Multi-objective optimization of thermochromic glazing based on daylight and energy performance evaluation. Building Simulation, 2021, 14, 1685-1695.	5.6	34
9	Effect of magnetic polaritons in SiC deep gratings on near-field radiative transfer. International Journal of Heat and Mass Transfer, 2017, 108, 851-859.	4.8	29
10	Performance Analysis of a Near-Field Thermophotovoltaic Device With a Metallodielectric Selective Emitter and Electrical Contacts for the Photovoltaic Cell. Journal of Heat Transfer, 2017, 139, .	2.1	29
11	Wavelength-selective and diffuse infrared thermal emission mediated by magnetic polaritons from silicon carbide metasurfaces. Applied Physics Letters, 2017, 111, .	3.3	26
12	Infrared frequency-tunable coherent thermal sources. Journal of Optics (United Kingdom), 2015, 17, 045104.	2.2	24
13	Plasmonic light trapping for enhanced light absorption in film-coupled ultrathin metamaterial thermophotovoltaic cells. Frontiers in Energy, 2018, 12, 185-194.	2.3	18
14	Near-field thermophotovoltaic energy conversion by excitation of magnetic polariton inside nanometric vacuum gaps with nanostructured Drude emitter and backside reflector. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 234, 108-114.	2.3	15
15	Microflow in a rhythmically expanding alveolar chip with dynamic similarity. Lab on A Chip, 2020, 20, 2394-2402.	6.0	15
16	Full-spectrum Absorption Enhancement in a-Si:H Thin-Film Solar Cell with a Composite Light-Trapping Structure. Solar Rrl, 2021, 5, 2000524.	5.8	15
17	Investigation on Microparticle Transport and Deposition Mechanics in Rhythmically Expanding Alveolar Chip. Micromachines, 2021, 12, 184.	2.9	11
18	Near-field thermal radiation between homogeneous dual uniaxial electromagnetic metamaterials. Journal of Applied Physics, 2016, 119, 213108.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Tuning the Infrared Absorption of SiC Metasurfaces by Electrically Gating Monolayer Graphene with Solid Polymer Electrolyte for Dynamic Radiative Thermal Management and Sensing Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 4810-4817.	5.0	7
20	New insight into air flow distribution in alveoli based on air- and saline-filled lungs. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	2.2	7
21	Recent advances in the understanding of alveolar flow. <i>Biomicrofluidics</i> , 2022, 16, 021502.	2.4	7
22	Enhanced Near-Field Radiative Heat Transport between Graphene Metasurfaces with Symmetric Nanopatterns. <i>Physical Review Applied</i> , 2020, 14, .	3.8	5
23	Full-Spectrum Absorption Enhancement in Si:H Thin-Film Solar Cell with a Composite Light-Trapping Structure. <i>Solar Rrl</i> , 2021, 5, 2170034.	5.8	4
24	Microparticle Transport and Sedimentation in a Rhythmically Expanding Alveolar Chip. <i>Micromachines</i> , 2022, 13, 485.	2.9	4
25	Enhanced near-field radiation in both TE and TM waves through excitation of Mie resonance. <i>Physical Review B</i> , 2020, 102, .	3.2	3
26	Reply to the "Comment on "Microflow in a rhythmically expanding alveolar chip with dynamic similarity" by A. Tsuda and F. S. Henry, <i>Lab Chip</i>, 2021, <b>21</b>, DOI: 10.1039/D0LC00884B. <i>Lab on a Chip</i> , 2021, 21, 1431-1432.		3
27	Self-adaptive near-field thermal stabilizer. <i>International Journal of Heat and Mass Transfer</i> , 2022, 191, 122824.	4.8	2