

# Yue Yang

## List of Publications by Year in descending order

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citations

623734

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526287

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27  
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27  
times ranked

652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microparticle Transport and Sedimentation in a Rhythmically Expanding Alveolar Chip. <i>Micromachines</i> , 2022, 13, 485.	2.9	4
2	Self-adaptive near-filed thermal stabilizer. <i>International Journal of Heat and Mass Transfer</i> , 2022, 191, 122824.	4.8	2
3	Recent advances in the understanding of alveolar flow. <i>Biomicrofluidics</i> , 2022, 16, 021502.	2.4	7
4	Fullâ€Spectrum Absorption Enhancement in aâ€Si:H Thinâ€Film Solar Cell with a Composite Lightâ€Trapping Structure. <i>Solar Rrl</i> , 2021, 5, 2000524.	5.8	15
5	Reply to the â€Comment on â€Microflow in a rhythmically expanding alveolar chip with dynamic similarityâ€™ 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
6	Investigation on Microparticle Transport and Deposition Mechanics in Rhythmically Expanding Alveolar Chip. <i>Micromachines</i> , 2021, 12, 184.	2.9	11
7	Fullâ€Spectrum Absorption Enhancement in aâ€Si:H Thinâ€Film Solar Cell with a Composite Lightâ€Trapping Structure. <i>Solar Rrl</i> , 2021, 5, 2170034.	5.8	4
8	Multi-objective optimization of thermochromic glazing based on daylight and energy performance evaluation. <i>Building Simulation</i> , 2021, 14, 1685-1695.	5.6	34
9	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
10	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
11	Enhanced Near-Field Radiative Heat Transport between Graphene Metasurfaces with Symmetric Nanopatterns. <i>Physical Review Applied</i> , 2020, 14, .	3.8	5
12	Microflow in a rhythmically expanding alveolar chip with dynamic similarity. <i>Lab on A Chip</i> , 2020, 20, 2394-2402.	6.0	15
13	Theoretical investigation of broadband absorption enhancement in a-Si thin-film solar cell with nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2020, 211, 110529.	6.2	38
14	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
15	Near-field thermophotovoltaic energy conversion by excitation of magnetic polariton inside nanometric vacuum gaps with nanostructured Drude emitter and backside reflector. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 234, 108-114.	2.3	15
16	Plasmonic light trapping for enhanced light absorption in film-coupled ultrathin metamaterial thermophotovoltaic cells. <i>Frontiers in Energy</i> , 2018, 12, 185-194.	2.3	18
17	Effect of magnetic polaritons in SiC deep gratings on near-field radiative transfer. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 851-859.	4.8	29
18	Performance Analysis of a Near-Field Thermophotovoltaic Device With a Metallodielectric Selective Emitter and Electrical Contacts for the Photovoltaic Cell. <i>Journal of Heat Transfer</i> , 2017, 139, .	2.1	29

#	ARTICLE	IF	CITATIONS
19	Wavelength-selective and diffuse infrared thermal emission mediated by magnetic polaritons from silicon carbide metasurfaces. Applied Physics Letters, 2017, 111, .	3.3	26
20	Near-field thermal radiation between homogeneous dual uniaxial electromagnetic metamaterials. Journal of Applied Physics, 2016, 119, 213108.	2.5	9
21	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
22	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
23	Infrared frequency-tunable coherent thermal sources. Journal of Optics (United Kingdom), 2015, 17, 045104.	2.2	24
24	Near-field radiative heat transfer between metamaterials coated with silicon carbide thin films. Applied Physics Letters, 2015, 106, .	3.3	38
25	Switchable wavelength-selective and diffuse metamaterial absorber/emitter with a phase transition spacer layer. Applied Physics Letters, 2014, 105, .	3.3	87
26	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
27	Radiation-based near-field thermal rectification with phase transition materials. Applied Physics Letters, 2013, 103, .	3.3	161