

Zhaolong Wang

List of Publications by Year in descending order

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29
papers

936
citations

471509

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501196

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29
all docs

29
docs citations

29
times ranked

697
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printed ultra-fast photothermal responsive shape memory hydrogel for microrobots. International Journal of Extreme Manufacturing, 2022, 4, 015302.	12.7	34
2	Ultrahigh broadband absorption in metamaterials with electric and magnetic polaritons enabled by multiple materials. International Journal of Heat and Mass Transfer, 2022, 185, 122355.	4.8	11
3	Underwater Unidirectional Cellular Fluidics. ACS Applied Materials & Interfaces, 2022, 14, 9891-9898.	8.0	14
4	3D printed hydrogel for soft thermo-responsive smart window. International Journal of Extreme Manufacturing, 2022, 4, 025302.	12.7	30
5	3D Printable Silicone Rubber for Long-Lasting and Weather-Resistant Wearable Devices. ACS Applied Polymer Materials, 2022, 4, 2384-2392.	4.4	7
6	3D-Printed Bionic Solar Evaporator. Solar Rrl, 2022, 6, .	5.8	28
7	Nearly perfect absorption of solar energy by coherent of electric and magnetic polaritons. Solar Energy Materials and Solar Cells, 2022, 240, 111688.	6.2	14
8	Two-dimensional ultrathin networked CoP derived from Co(OH) ₂ as efficient electrocatalyst for hydrogen evolution. Advanced Composites and Hybrid Materials, 2022, 5, 2421-2428.	21.1	29
9	Three-Dimensional Open Water Microchannel Transpiration Mimetics. ACS Applied Materials & Interfaces, 2022, 14, 30435-30442.	8.0	13
10	3D-Printed Bioinspired Cassie's Wettability for Controllable Microdroplet Manipulation. ACS Applied Materials & Interfaces, 2021, 13, 1979-1987.	8.0	61
11	Optimization of the perfect absorber for solar energy harvesting based on the cone-like nanostructures. AIMS Energy, 2021, 9, 714-726.	1.9	7
12	Color-Changeable Four-Dimensional Printing Enabled with Ultraviolet-Curable and Thermochromic Shape Memory Polymers. ACS Applied Materials & Interfaces, 2021, 13, 18120-18127.	8.0	39
13	3D-Printed Complex Microstructures with a Self-Sacrificial Structure Enabled by Grayscale Polymerization and Ultrasonic Treatment. ACS Omega, 2021, 6, 18281-18288.	3.5	5
14	3D printed super-anti-freezing self-adhesive human-machine interface. Materials Today Physics, 2021, 19, 100404.	6.0	37
15	Poly (HBA-co-AMPS) based Hydrogel by P ^{1/4} SL 3D Printing for Robotic Sensor. , 2021, , .		1
16	Adhesion-Engineering-Enabled "Sketch and Peel" Lithography for Aluminum Plasmonic Nanogaps. Advanced Optical Materials, 2020, 8, 1901202.	7.3	7
17	Perfect spectrally selective solar absorber with dielectric filled fishnet tungsten grating for solar energy harvesting. Solar Energy Materials and Solar Cells, 2020, 215, 110664.	6.2	36
18	An experimental study of a nearly perfect absorber made from a natural hyperbolic material for harvesting solar energy. Journal of Applied Physics, 2020, 127, .	2.5	20

#	ARTICLE	IF	CITATIONS
19	Projection micro stereolithography based 3D printing and its applications. International Journal of Extreme Manufacturing, 2020, 2, 022004.	12.7	213
20	Topology Optimization-Based Inverse Design of Plasmonic Nanodimer with Maximum Near-Field Enhancement. Advanced Functional Materials, 2020, 30, 2000642.	14.9	38
21	Double Fano resonances in hybrid disk/rod artificial plasmonic molecules based on dipole-quadrupole coupling. Nanoscale, 2020, 12, 9776-9785.	5.6	34
22	3D Printed Ultrastretchable, Hyper-Antifreezing Conductive Hydrogel for Sensitive Motion and Electrophysiological Signal Monitoring. Research, 2020, 2020, 1426078.	5.7	34
23	Enhancements of absorption and photothermal conversion of solar energy enabled by surface plasmon resonances in nanoparticles and metamaterials. International Journal of Heat and Mass Transfer, 2019, 140, 453-482.	4.8	32
24	A numerical study on effects of surrounding medium, material, and geometry of nanoparticles on solar absorption efficiencies. International Journal of Heat and Mass Transfer, 2018, 116, 825-832.	4.8	37
25	A perfect absorber design using a natural hyperbolic material for harvesting solar energy. Solar Energy, 2018, 159, 329-336.	6.1	71
26	Optical absorption of carbon-gold core-shell nanoparticles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 205, 291-298.	2.3	52
27	Natural anisotropic nanoparticles with a broad absorption spectrum for solar energy harvesting. International Communications in Heat and Mass Transfer, 2018, 96, 109-113.	5.6	12
28	Plasma resonance effects on bubble nucleation in flow boiling of a nanofluid irradiated by a pulsed laser beam. International Communications in Heat and Mass Transfer, 2016, 72, 90-94.	5.6	10
29	Numerical studies on absorption characteristics of plasmonic metamaterials with an array of nanoshells. International Communications in Heat and Mass Transfer, 2015, 68, 172-177.	5.6	10