Wei Gao

List of Publications by Year
in descending order

Version: 2024-02-01

27 papers	1,495 citations	516710 16 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	1523 citing authors

#	Article	IF	Citations
1	Thermal performance analysis and enhancement of the multi-tube latent heat storage (MTLHS) unit. Journal of Energy Storage, 2022, 46, 103812.	8.1	15
2	Antiâ€Fatigue and Highly Conductive Thermocells for Continuous Electricity Generation. Advanced Functional Materials, 2022, 32, .	14.9	31
3	Hierarchically Anisotropic Networks to Decouple Mechanical and Ionic Properties for High-Performance Quasi-Solid Thermocells. ACS Nano, 2022, 16, 8347-8357.	14.6	29
4	Dynamic Liquid Gating Artificially Spinning System for Self-Evolving Topographies and Microstructures. Langmuir, 2021, 37, 1438-1445.	3.5	7
5	Capturing functional two-dimensional nanosheets from sandwich-structure vermiculite for cancer theranostics. Nature Communications, 2021, 12, 1124.	12.8	227
6	Reconfigurable and Renewable Nanoâ€Microâ€Structured Plastics for Radiative Cooling. Advanced Functional Materials, 2021, 31, 2100535.	14.9	58
7	Stretchable and Freezeâ€Tolerant Organohydrogel Thermocells with Enhanced Thermoelectric Performance Continually Working at Subzero Temperatures. Advanced Functional Materials, 2021, 31, 2104071.	14.9	53
8	PERFORMANCE IMPROVEMENT EVALUATION OF A LATENT HEAT STORAGE UNIT ENHANCED BY VICSEK FRACTAL FINS. Fractals, 2021, 29, .	3.7	4
9	Double-network thermocells with extraordinary toughness and boosted power density for continuous heat harvesting. Joule, 2021, 5, 2211-2222.	24.0	102
10	Stretchable and Freezeâ€Tolerant Organohydrogel Thermocells with Enhanced Thermoelectric Performance Continually Working at Subzero Temperatures (Adv. Funct. Mater. 43/2021). Advanced Functional Materials, 2021, 31, 2170322.	14.9	2
11	Website Fingerprinting on Access network and Core Gateway. , 2021, , .		1
12	Electric-tunable wettability on a paraffin-infused slippery pattern surface. Chemical Engineering Journal, 2020, 381, 122612.	12.7	40
13	Co-Free High-Entropy Alloys Powders Immobilized by Electrospray and Microfluidics for Decolorization of Azo Dye. Acta Metallurgica Sinica (English Letters), 2020, 33, 1103-1110.	2.9	5
14	Droplets breakup via a splitting microchannel. Chinese Physics B, 2020, 29, 054702.	1.4	10
15	Hydrodynamics of Compound Droplet Flowing in the Curved Minichannel. Advances in Condensed Matter Physics, 2019, 2019, 1-11.	1.1	2
16	Visualization study on solid-core encapsulation behaviors of double emulsion in a flow-focusing microchannel. Microsystem Technologies, 2019, 25, 4143-4150.	2.0	1
17	Microencapsulation of solid cores to prepare double emulsion droplets by microfluidics. International Journal of Heat and Mass Transfer, 2019, 135, 158-163.	4.8	43
18	Droplet microfluidics with gravity-driven overflow system. Chemical Engineering Journal, 2019, 362, 169-175.	12.7	27

#	Article	IF	Citations
19	Bioâ€Inspired Anisotropic Wettability Surfaces from Dynamic Ferrofluid Assembled Templates. Advanced Functional Materials, 2018, 28, 1705802.	14.9	76
20	Role of Solid Wall Properties in the Interface Slip of Liquid in Nanochannels. Micromachines, 2018, 9, 663.	2.9	8
21	Microfluidic generation of self-contained multicomponent microcapsules for self-healing materials. Applied Physics Letters, 2018, 113, .	3.3	32
22	Programmable wettability on photocontrolled graphene film. Science Advances, 2018, 4, eaat7392.	10.3	245
23	Microfluidic Lithography of Bioinspired Helical Micromotors. Angewandte Chemie - International Edition, 2017, 56, 12127-12131.	13.8	126
24	Microfluidic Lithography of Bioinspired Helical Micromotors. Angewandte Chemie, 2017, 129, 12295-12299.	2.0	37
25	Bioinspired shape-memory graphene film with tunable wettability. Science Advances, 2017, 3, e1700004.	10.3	210
26	Three-dimensional splitting microfluidics. Lab on A Chip, 2016, 16, 1332-1339.	6.0	104
27	Potential and Challenges of Thermogalvanic Cells for Low-Grade Heat Harvesting. Frontiers in Energy Research, 0, 10, .	2.3	0