

Wei Gao

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,495
citations

516215

16
h-index

580395

25
g-index

29
all docs

29
docs citations

29
times ranked

1523
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable wettability on photocontrolled graphene film. <i>Science Advances</i> , 2018, 4, eaat7392.	4.7	245
2	Capturing functional two-dimensional nanosheets from sandwich-structure vermiculite for cancer theranostics. <i>Nature Communications</i> , 2021, 12, 1124.	5.8	227
3	Bioinspired shape-memory graphene film with tunable wettability. <i>Science Advances</i> , 2017, 3, e1700004.	4.7	210
4	Microfluidic Lithography of Bioinspired Helical Micromotors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12127-12131.	7.2	126
5	Three-dimensional splitting microfluidics. <i>Lab on A Chip</i> , 2016, 16, 1332-1339.	3.1	104
6	Double-network thermocells with extraordinary toughness and boosted power density for continuous heat harvesting. <i>Joule</i> , 2021, 5, 2211-2222.	11.7	102
7	Bioinspired Anisotropic Wettability Surfaces from Dynamic Ferrofluid Assembled Templates. <i>Advanced Functional Materials</i> , 2018, 28, 1705802.	7.8	76
8	Reconfigurable and Renewable Nanostructured Plastics for Radiative Cooling. <i>Advanced Functional Materials</i> , 2021, 31, 2100535.	7.8	58
9	Stretchable and Freeze-Tolerant Organohydrogel Thermocells with Enhanced Thermoelectric Performance Continually Working at Subzero Temperatures. <i>Advanced Functional Materials</i> , 2021, 31, 2104071.	7.8	53
10	Microencapsulation of solid cores to prepare double emulsion droplets by microfluidics. <i>International Journal of Heat and Mass Transfer</i> , 2019, 135, 158-163.	2.5	43
11	Electric-tunable wettability on a paraffin-infused slippery pattern surface. <i>Chemical Engineering Journal</i> , 2020, 381, 122612.	6.6	40
12	Microfluidic Lithography of Bioinspired Helical Micromotors. <i>Angewandte Chemie</i> , 2017, 129, 12295-12299.	1.6	37
13	Microfluidic generation of self-contained multicomponent microcapsules for self-healing materials. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	32
14	Anti-Fatigue and Highly Conductive Thermocells for Continuous Electricity Generation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	31
15	Hierarchically Anisotropic Networks to Decouple Mechanical and Ionic Properties for High-Performance Quasi-Solid Thermocells. <i>ACS Nano</i> , 2022, 16, 8347-8357.	7.3	29
16	Droplet microfluidics with gravity-driven overflow system. <i>Chemical Engineering Journal</i> , 2019, 362, 169-175.	6.6	27
17	Thermal performance analysis and enhancement of the multi-tube latent heat storage (MTLHS) unit. <i>Journal of Energy Storage</i> , 2022, 46, 103812.	3.9	15
18	Droplets breakup via a splitting microchannel. <i>Chinese Physics B</i> , 2020, 29, 054702.	0.7	10

#	ARTICLE	IF	CITATIONS
19	Role of Solid Wall Properties in the Interface Slip of Liquid in Nanochannels. <i>Micromachines</i> , 2018, 9, 663.	1.4	8
20	Dynamic Liquid Gating Artificially Spinning System for Self-Evolving Topographies and Microstructures. <i>Langmuir</i> , 2021, 37, 1438-1445.	1.6	7
21	Co-Free High-Entropy Alloys Powders Immobilized by Electrospray and Microfluidics for Decolorization of Azo Dye. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1103-1110.	1.5	5
22	PERFORMANCE IMPROVEMENT EVALUATION OF A LATENT HEAT STORAGE UNIT ENHANCED BY VICSEK FRACTAL FINS. <i>Fractals</i> , 2021, 29, .	1.8	4
23	Hydrodynamics of Compound Droplet Flowing in the Curved Minichannel. <i>Advances in Condensed Matter Physics</i> , 2019, 2019, 1-11.	0.4	2
24	Stretchable and Freeze-Tolerant Organohydrogel Thermocells with Enhanced Thermoelectric Performance Continually Working at Subzero Temperatures (<i>Adv. Funct. Mater.</i> 43/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170322.	7.8	2
25	Visualization study on solid-core encapsulation behaviors of double emulsion in a flow-focusing microchannel. <i>Microsystem Technologies</i> , 2019, 25, 4143-4150.	1.2	1
26	Website Fingerprinting on Access network and Core Gateway. , 2021, , .		1
27	Potential and Challenges of Thermogalvanic Cells for Low-Grade Heat Harvesting. <i>Frontiers in Energy Research</i> , 0, 10, .	1.2	0