

Shangsheng Feng

List of Publications by Year in descending order

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29
papers

1,754
citations

516710

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h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

2264
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrocellulose Membrane for Paper-based Biosensor. <i>Applied Materials Today</i> , 2022, 26, 101305.	4.3	33
2	Ball pen writing-without-ink: a truly simple and accessible method for sensitivity enhancement in lateral flow assays. <i>RSC Advances</i> , 2022, 12, 2068-2073.	3.6	2
3	Janus Vitrification of Droplet via Cold Leidenfrost Phenomenon. <i>Small</i> , 2021, 17, e2007325.	10.0	7
4	Janus Particles: Janus Vitrification of Droplet via Cold Leidenfrost Phenomenon (<i>Small</i> 17/2021). <i>Small</i> , 2021, 17, 2170075.	10.0	0
5	Quantifying and Adjusting Plasmon-Driven Nano-Localized Temperature Field around Gold Nanorods for Nucleic Acids Amplification. <i>Small Methods</i> , 2021, 5, 2001254.	8.6	14
6	Evaporation-Induced Diffusion Acceleration in Liquid-Filled Porous Materials. <i>ACS Omega</i> , 2021, 6, 21646-21654.	3.5	8
7	Out-of-plane compression of a novel hybrid corrugated core sandwich panel. <i>Composite Structures</i> , 2021, 272, 114222.	5.8	7
8	Heat transfer efficiency of hierarchical corrugated sandwich panels. <i>Composite Structures</i> , 2021, 272, 114195.	5.8	5
9	Microstructural effects on permeability of Nitrocellulose membranes for biomedical applications. <i>Journal of Membrane Science</i> , 2020, 595, 117502.	8.2	34
10	Spatially modulated stiffness on hydrogels for soft and stretchable integrated electronics. <i>Materials Horizons</i> , 2020, 7, 203-213.	12.2	70
11	Forced convection in additively manufactured sandwich-walled cylinders with thermo-mechanical multifunctionality. <i>International Journal of Heat and Mass Transfer</i> , 2020, 149, 119161.	4.8	8
12	Ultrafast Photonic PCR Based on Photothermal Nanomaterials. <i>Trends in Biotechnology</i> , 2020, 38, 637-649.	9.3	96
13	Droplet based vitrification for cell aggregates: Numerical analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 82, 383-393.	3.1	7
14	Natural convection in metal foam heat sinks with open slots. <i>Experimental Thermal and Fluid Science</i> , 2018, 91, 354-362.	2.7	37
15	Natural convection in a cross-fin heat sink. <i>Applied Thermal Engineering</i> , 2018, 132, 30-37.	6.0	89
16	Fountain streaming contributes to fast tip-growth through regulating the gradients of turgor pressure and concentration in pollen tubes. <i>Soft Matter</i> , 2017, 13, 2919-2927.	2.7	3
17	The effect of report particle properties on lateral flow assays: A mathematical model. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 699-707.	7.8	22
18	Paper-based capacitive sensors for identification and quantification of chemicals at the point of care. <i>Talanta</i> , 2017, 165, 419-428.	5.5	12

#	ARTICLE	IF	CITATIONS
19	Optimum composition of gas mixture in a novel chimney-based LED bulb. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 32-42.	4.8	9
20	Self-Propelled Hovercraft Based on Cold Leidenfrost Phenomenon. <i>Scientific Reports</i> , 2016, 6, 28574.	3.3	13
21	Sensitive biomolecule detection in lateral flow assay with a portable temperature"humidity control device. <i>Biosensors and Bioelectronics</i> , 2016, 79, 98-107.	10.1	75
22	Polydimethylsiloxane-Paper Hybrid Lateral Flow Assay for Highly Sensitive Point-of-Care Nucleic Acid Testing. <i>Analytical Chemistry</i> , 2016, 88, 6254-6264.	6.5	93
23	An integrated lateral flow assay for effective DNA amplification and detection at the point of care. <i>Analyst</i> , 2016, 141, 2930-2939.	3.5	80
24	Improved sensitivity of lateral flow assay using paper-based sample concentration technique. <i>Talanta</i> , 2016, 152, 269-276.	5.5	79
25	An integrated paper-based sample-to-answer biosensor for nucleic acid testing at the point of care. <i>Lab on A Chip</i> , 2016, 16, 611-621.	6.0	247
26	High-Throughput Non-Contact Vitrification of Cell-Laden Droplets Based on Cell Printing. <i>Scientific Reports</i> , 2015, 5, 17928.	3.3	26
27	Pore-scale and volume-averaged numerical simulations of melting phase change heat transfer in finned metal foam. <i>International Journal of Heat and Mass Transfer</i> , 2015, 90, 838-847.	4.8	142
28	Bioinspired engineering of honeycomb structure " Using nature to inspire human innovation. <i>Progress in Materials Science</i> , 2015, 74, 332-400.	32.8	501
29	Coarse-grained molecular dynamics studies of the translocation mechanism of polyarginines across asymmetric membrane under tension. <i>Scientific Reports</i> , 2015, 5, 12808.	3.3	34