

Yilin Liu

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

508
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation affects optical properties and photothermal heating of gold nanospheres. <i>Scientific Reports</i> , 2021, 11, 898.	3.3	16
2	Ultrasensitive and Highly Specific Lateral Flow Assays for Point-of-Care Diagnosis. <i>ACS Nano</i> , 2021, 15, 3593-3611.	14.6	270
3	Improved Influenza Diagnostics through Thermal Contrast Amplification. <i>Diagnostics</i> , 2021, 11, 462.	2.6	5
4	fM μ m Detection of the SARS-CoV-2 Antigen by Advanced Lateral Flow Immunoassay Based on Gold Nanospheres. <i>ACS Applied Nano Materials</i> , 2021, 4, 13826-13837.	5.0	18
5	Cryopreservation and Laser Nanowarming of Zebrafish Embryos Followed by Hatching and Spawning. <i>Advanced Biology</i> , 2020, 4, e2000138.	3.0	25
6	Development and optimization of thermal contrast amplification lateral flow immunoassays for ultrasensitive HIV p24 protein detection. <i>Microsystems and Nanoengineering</i> , 2020, 6, 54.	7.0	33
7	Photothermal conversion of gold nanoparticles for uniform pulsed laser warming of vitrified biomaterials. <i>Nanoscale</i> , 2020, 12, 12346-12356.	5.6	20
8	Signal amplification and quantification on lateral flow assays by laser excitation of plasmonic nanomaterials. <i>Theranostics</i> , 2020, 10, 4359-4373.	10.0	59
9	Experimental and numerical evaluation of the performance of a novel compound demister. <i>Desalination</i> , 2017, 409, 115-127.	8.2	34
10	Experimental investigations and an updated correlation of flow boiling heat transfer coefficients for ammonia/lithium nitrate mixture in horizontal tubes. <i>International Journal of Heat and Mass Transfer</i> , 2017, 112, 224-235.	4.8	14
11	A new method for online measurement of the concentration of working fluids in absorption refrigeration systems. <i>International Journal of Refrigeration</i> , 2017, 78, 128-135.	3.4	2
12	Flow boiling heat transfer characteristics and pressure drop of ammonia-lithium nitrate solution in a smooth horizontal tube. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 220-231.	4.8	10