

Shuai Wang

List of Publications by Year in descending order

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35
papers

801
citations

623734

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501196

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all docs

35
docs citations

35
times ranked

1374
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Perovskite Micro- and Nanolasers. <i>Advanced Optical Materials</i> , 2018, 6, 1800278.	7.3	149
2	Highly Reproducible Organometallic Halide Perovskite Microdevices based on Top-Down Lithography. <i>Advanced Materials</i> , 2017, 29, 1606205.	21.0	138
3	Formation of Lead Halide Perovskite Based Plasmonic Nanolasers and Nanolaser Arrays by Tailoring the Substrate. <i>ACS Nano</i> , 2018, 12, 3865-3874.	14.6	81
4	Tailoring the Performances of Lead Halide Perovskite Devices with Electron-Beam Irradiation. <i>Advanced Materials</i> , 2017, 29, 1701636.	21.0	72
5	Chip-Scale Fabrication of Uniform Lead Halide Perovskites Microlaser Array and Photodetector Array. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700234.	8.7	65
6	Lead Halide Perovskite Based Microdisk Lasers for On-Chip Integrated Photonic Circuits. <i>Advanced Optical Materials</i> , 2018, 6, 1701266.	7.3	48
7	Lead Halide Perovskite Nanoribbon Based Uniform Nanolaser Array on Plasmonic Grating. <i>ACS Photonics</i> , 2017, 4, 649-656.	6.6	26
8	Simulation of the Chemical Looping Reforming Process in the Fuel Reactor with a Bubble-Based Energy Minimization Multiscale Model. <i>Energy & Fuels</i> , 2013, 27, 5008-5015.	5.1	25
9	Seeds-Assisted Space-Confinement Growth of All-Inorganic Perovskite Arrays for Ultralow-Threshold Single-Mode Lasing. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000428.	8.7	24
10	Miscellaneous Lasing Actions in Organo-Lead Halide Perovskite Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20711-20718.	8.0	21
11	Highly Controllable Lasing Actions in Lead Halide Perovskite-Si ₃ N ₄ Hybrid Micro-Resonators. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800189.	8.7	19
12	Maskless Fabrication of Aluminum Nanoparticles for Plasmonic Enhancement of Lead Halide Perovskite Lasers. <i>Advanced Optical Materials</i> , 2017, 5, 1700529.	7.3	18
13	Modeling of Bubble-Structure-Dependent Drag for Bubbling Fluidized Beds. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 15776-15785.	3.7	17
14	Analysis of biomass gasification in bubbling fluidized bed with two-fluid model. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	2.0	16
15	Single Crystal Microrod Based Homonuclear Photonic Molecule Lasers. <i>Advanced Optical Materials</i> , 2017, 5, 1600744.	7.3	13
16	Investigation of the Coal Oxidation Effect on Competitive Adsorption Characteristics of CO ₂ /CH ₄ . <i>Energy & Fuels</i> , 2020, 34, 12860-12869.	5.1	12
17	Influences of trailing boundary layer velocity profiles on wake vortex formation in a high-subsonic-turbine cascade. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2019, 233, 186-198.	1.4	10
18	Numerical Simulation of Fluid Dynamics of a Riser: Influence of Particle Rotation. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 3585-3596.	3.7	8

#	ARTICLE	IF	CITATIONS
19	Numerical study of melted PCM inside a horizontal annulus with threads in a three-dimensional model. RSC Advances, 2015, 5, 12178-12185.	3.6	6
20	Effect of reactions in small eddies on biomass gasification with eddy dissipation concept " Sub-grid scale reaction model. Bioresource Technology, 2016, 211, 93-100.	9.6	5
21	Estimation of the Fluidization Behavior of Nonspherical Wet Particles with Liquid Transfer. Industrial & Engineering Chemistry Research, 2022, 61, 10254-10263.	3.7	5
22	Evaluation of Adsorption and Permeation Behaviors in Hydrated Nafion Membranes with Degradation. Journal of Physical Chemistry B, 2021, 125, 9879-9886.	2.6	4
23	Multi-scale study of hydrodynamics in an interconnected fluidized bed for the chemical looping combustion process. RSC Advances, 2015, 5, 53404-53411.	3.6	3
24	Investigation of Aggregation Kernel and Simulation of Cohesive Particle Flow. Chemical Engineering and Technology, 2016, 39, 1858-1866.	1.5	3
25	Numerical Simulations of Solid Circulation Characteristics in an Internally Circulating Elevated Fluidized Bed. Chemical Engineering and Technology, 2017, 40, 769-777.	1.5	3
26	The degradation effect on proton dissociation and transfer in perfluorosulfonic acid membranes. Physical Chemistry Chemical Physics, 2022, 24, 3007-3016.	2.8	3
27	Investigation of Interphase Drag Force Affected by Clouded Bubble via a Computational Fluid Dynamics"Discrete Element Method Approach. Industrial & Engineering Chemistry Research, 2021, 60, 16068-16077.	3.7	2
28	Study of Flow Characteristics of Ultrafine CaCO ₃ Powders in a Spouted Bed. Chemical Engineering and Technology, 2017, 40, 622-630.	1.5	1
29	Gas-Solid Flow in an Airlift Loop Reactor: A Cluster Structure-Dependent Drag Model. Chemical Engineering and Technology, 2017, 40, 514-521.	1.5	1
30	Stability analysis of the onset of vortex shedding for wakes behind flat plates. Theoretical and Computational Fluid Dynamics, 2018, 32, 411-423.	2.2	1
31	Stability analysis of asymmetric wakes. Physics of Fluids, 2019, 31, 064108.	4.0	1
32	Pore-scale study of reactive transfer process involving coke deposition via lattice Boltzmann method. AIChE Journal, 0, , e17478.	3.6	1
33	Experimental and CFD study on the hydrodynamic characters of dense liquid-solid fluidized bed. , 2013, , .		0
34	Incorporating multi-kernel function and Internet verification for Chinese person name disambiguation. Frontiers of Computer Science, 2016, 10, 1026-1038.	2.4	0
35	Effect of Mach number on the absolute/convective stability of compressible planar wakes. Theoretical and Computational Fluid Dynamics, 2021, 35, 119-130.	2.2	0