Shuai Wang

List of Publications by Year
in descending order

35	801	623734	501196
papers	citations	14 h-index	28 g-index

35	35	35	1374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The degradation effect on proton dissociation and transfer in perfluorosulfonic acid membranes. Physical Chemistry Chemical Physics, 2022, 24, 3007-3016.	2.8	3
2	Estimation of the Fluidization Behavior of Nonspherical Wet Particles with Liquid Transfer. Industrial & Engineering Chemistry Research, 2022, 61, 10254-10263.	3.7	5
3	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
4	Seedsâ€Assisted Spaceâ€Confined Growth of Allâ€Inorganic Perovskite Arrays for Ultralowâ€Threshold Singleâ€Mode Lasing. Laser and Photonics Reviews, 2021, 15, 2000428.	8.7	24
5	Evaluation of Adsorption and Permeation Behaviors in Hydrated Nafion Membranes with Degradation. Journal of Physical Chemistry B, 2021, 125, 9879-9886.	2.6	4
6	Investigation of Interphase Drag Force Affected by Clouded Bubble via a Computational Fluid Dynamicsâ€“Discrete Element Method Approach. Industrial & Engineering Chemistry Research, 2021, 60, 16068-16077.	3.7	2
7	Investigation of the Coal Oxidation Effect on Competitive Adsorption Characteristics of CO₂/CH₄. Energy & Fuels, 2020, 34, 12860-12869.	5.1	12
8	Influences of trailing boundary layer velocity profiles on wake vortex formation in a high-subsonic-turbine cascade. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2019, 233, 186-198.	1.4	10
9	Stability analysis of asymmetric wakes. Physics of Fluids, 2019, 31, 064108.	4.0	1
10	Highly Controllable Lasing Actions in Lead Halide Perovskiteâ€“Si₃N₄ Hybrid Microâ€Resonators. Laser and Photonics Reviews, 2019, 13, 1800189.	8.7	19
11	Formation of Lead Halide Perovskite Based Plasmonic Nanolasers and Nanolaser Arrays by Tailoring the Substrate. ACS Nano, 2018, 12, 3865-3874.	14.6	81
12	Lead Halide Perovskite Based Microdisk Lasers for Onâ€Chip Integrated Photonic Circuits. Advanced Optical Materials, 2018, 6, 1701266.	7.3	48
13	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
14	Chipâ€Scale Fabrication of Uniform Lead Halide Perovskites Microlaser Array and Photodetector Array. Laser and Photonics Reviews, 2018, 12, 1700234.	8.7	65
15	Recent Advances in Perovskite Microâ€and Nanolasers. Advanced Optical Materials, 2018, 6, 1800278.	7.3	149
16	Lead Halide Perovskite Nanoribbon Based Uniform Nanolaser Array on Plasmonic Grating. ACS Photonics, 2017, 4, 649-656.	6.6	26
17	Highly Reproducible Organometallic Halide Perovskite Microdevices based on Topâ€Down Lithography. Advanced Materials, 2017, 29, 1606205.	21.0	138
18	Numerical Simulations of Solid Circulation Characteristics in an Internally Circulating Elevated Fluidized Bed. Chemical Engineering and Technology, 2017, 40, 769-777.	1.5	3

#	Article	IF	Citations
19	Miscellaneous Lasing Actions in Organo-Lead Halide Perovskite Films. ACS Applied Materials & Interfaces, 2017, 9, 20711-20718.	8.0	21
20	Study of Flow Characteristics of Ultrafine CaCO₃ Powders in a Spouted Bed. Chemical Engineering and Technology, 2017, 40, 622-630.	1.5	1
21	Single Crystal Microrod Based Homonuclear Photonic Molecule Lasers. Advanced Optical Materials, 2017, 5, 1600744.	7.3	13
22	Gasâ€Solid Flow in an Airlift Loop Reactor: A Cluster Structureâ€Dependent Drag Model. Chemical Engineering and Technology, 2017, 40, 514-521.	1.5	1
23	Maskless Fabrication of Aluminum Nanoparticles for Plasmonic Enhancement of Lead Halide Perovskite Lasers. Advanced Optical Materials, 2017, 5, 1700529.	7.3	18
24	Tailoring the Performances of Lead Halide Perovskite Devices with Electronâ€Beam Irradiation. Advanced Materials, 2017, 29, 1701636.	21.0	72
25	Investigation of Aggregation Kernel and Simulation of Cohesive Particle Flow. Chemical Engineering and Technology, 2016, 39, 1858-1866.	1.5	3
26	Analysis of biomass gasification in bubbling fluidized bed with two-fluid model. Journal of Renewable and Sustainable Energy, 2016, 8, .	2.0	16
27	Incorporating multi-kernel function and Internet verification for Chinese person name disambiguation. Frontiers of Computer Science, 2016, 10, 1026-1038.	2.4	0
28	Effect of reactions in small eddies on biomass gasification with eddy dissipation concept â€“ Sub-grid scale reaction model. Bioresource Technology, 2016, 211, 93-100.	9.6	5
29	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
30	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
31	Modeling of Bubble-Structure-Dependent Drag for Bubbling Fluidized Beds. Industrial & Engineering Chemistry Research, 2014, 53, 15776-15785.	3.7	17
32	Simulation of the Chemical Looping Reforming Process in the Fuel Reactor with a Bubble-Based Energy Minimization Multiscale Model. Energy & Fuels, 2013, 27, 5008-5015.	5.1	25
33	Experimental and CFD study on the hydrodynamic characters of dense liquid-solid fluidized bed. , 2013, , .		0
34	Numerical Simulation of Fluid Dynamics of a Riser: Influence of Particle Rotation. Industrial & Engineering Chemistry Research, 2010, 49, 3585-3596.	3.7	8
35	Poreâ€scale study of reactive transfer process involving coke deposition via lattice Boltzmann method. AICHE Journal, 0, , e17478.	3.6	1