

Shuang Liu

List of Publications by Year in descending order

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papers

371
citations

933447

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24
all docs

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docs citations

24
times ranked

353
citing authors

#	ARTICLE	IF	CITATIONS
1	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. <i>Nature Photonics</i> , 2018, 12, 489-494.	31.4	59
2	Cyclodextrin functionalized 3D-graphene for the removal of Cr(VI) with the easy and rapid separation strategy. <i>Environmental Pollution</i> , 2019, 254, 112854.	7.5	43
3	Self-Cascade System Based on Cupric Oxide Nanoparticles as Dual-Functional Enzyme Mimics for Ultrasensitive Detection of Silver Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12132-12139.	6.7	40
4	Flow reversals in Rayleigh-Bénard convection with non-Oberbeck-Boussinesq effects. <i>Journal of Fluid Mechanics</i> , 2016, 798, 628-642.	3.4	35
5	From Rayleigh-Bénard convection to porous-media convection: how porosity affects heat transfer and flow structure. <i>Journal of Fluid Mechanics</i> , 2020, 895, .	3.4	32
6	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. <i>Nature Communications</i> , 2020, 11, 2787.	12.8	23
7	Linear and weakly nonlinear analysis of Rayleigh-Bénard convection of perfect gas with non-Oberbeck-Boussinesq effects. <i>Journal of Fluid Mechanics</i> , 2018, 845, 141-169.	3.4	19
8	Quantitative Analysis of Surface Sites on Carbon Dots and Their Interaction with Metal Ions by a Potentiometric Titration Method. <i>Analytical Chemistry</i> , 2019, 91, 9690-9697.	6.5	19
9	Measurements of the Growth and Saturation of Electron Weibel Instability in Optical-Field Ionized Plasmas. <i>Physical Review Letters</i> , 2020, 125, 255001.	7.8	18
10	Onset of fully compressible convection in a rapidly rotating spherical shell. <i>Journal of Fluid Mechanics</i> , 2019, 873, 1090-1115.	3.4	11
11	Heat transfer enhancement in Rayleigh-Bénard convection using a single passive barrier. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	10
12	Spectra and structure functions of the temperature and velocity fields in supergravitational thermal turbulence. <i>Physics of Fluids</i> , 2022, 34, .	4.0	9
13	High-throughput injection acceleration of electron bunches from a linear accelerator to a laser wakefield accelerator. <i>Nature Physics</i> , 2021, 17, 801-806.	16.7	8
14	Effects of radius ratio on annular centrifugal Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , 2022, 930, .	3.4	7
15	Bifurcation analysis of laminar isothermal planar opposed-jet flow. <i>Computers and Fluids</i> , 2016, 140, 72-80.	2.5	6
16	Microplasma Anode Meeting Molten Salt Electrochemistry: Charge Transfer and Atomic Emission Spectral Analysis. <i>Analytical Chemistry</i> , 2018, 90, 13163-13166.	6.5	6
17	Heat transfer and flow structure of two-dimensional thermal convection over ratchet surfaces. <i>Journal of Hydrodynamics</i> , 2021, 33, 970-978.	3.2	6
18	Bifurcations in penetrative Rayleigh-Bénard convection in a cylindrical container. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 695-704.	3.6	5

#	ARTICLE	IF	CITATIONS
19	Rotational dynamics of bottom-heavy rods in turbulence from experiments and numerical simulations. Theoretical and Applied Mechanics Letters, 2021, 11, 100227.	2.8	4
20	Lagrangian dynamics and heat transfer in porous-media convection. Journal of Fluid Mechanics, 2021, 917, .	3.4	4
21	Development of a seven-cell S-band standing-wave RF-deflecting cavity for Tsinghua Thomson scattering X-ray source. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	4
22	Tunable Plasma Linearizer for Compensation of Nonlinear Energy Chirp. Physical Review Applied, 2021, 16, .	3.8	1
23	Radius ratio dependency of the instability of fully compressible convection in rapidly rotating spherical shells. Journal of Fluid Mechanics, 2021, 925, .	3.4	1
24	Dynamics of finite-size spheroids in turbulent flow: the roles of flow structures and particle boundary layers. Journal of Fluid Mechanics, 2022, 939, .	3.4	1