

Rui-Feng Hu

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

439
citations

759233

12
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713466

21
g-index

25
all docs

25
docs citations

25
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of shock wave detection method in CFD post-processing. Chinese Journal of Aeronautics, 2013, 26, 501-513.	5.3	54
2	Wall-attached and wall-detached eddies in wall-bounded turbulent flows. Journal of Fluid Mechanics, 2020, 885, .	3.4	45
3	Large-scale coherent structures of suspended dust concentration in the neutral atmospheric surface layer: A large-eddy simulation study. Physics of Fluids, 2018, 30, .	4.0	38
4	Space Debris Reentry Analysis Methods and Tools. Chinese Journal of Aeronautics, 2011, 24, 387-395.	5.3	36
5	Design of new traditional Chinese medicine herbal formulae for treatment of type 2 diabetes mellitus based on network pharmacology. Chinese Journal of Natural Medicines, 2017, 15, 436-441.	1.3	31
6	An electromagnetic method for removing the communication blackout with a space vehicle upon re-entry into the atmosphere. Journal of Applied Physics, 2017, 121, .	2.5	27
7	Study on thermal wave based on the thermal mass theory. Science in China Series D: Earth Sciences, 2009, 52, 1786-1792.	0.9	22
8	Modelling the spreading rate of controlled communicable epidemics through an entropy-based thermodynamic model. Science China: Physics, Mechanics and Astronomy, 2013, 56, 2143-2150.	5.1	21
9	A comparative study on the large-scale-resolving capability of wall-modeled large-eddy simulation. Physics of Fluids, 2020, 32, .	4.0	20
10	Energy contributions by inner and outer motions in turbulent channel flows. Physical Review Fluids, 2018, 3, .	2.5	17
11	Influence of aspect ratio on tumbling plates. Journal of Fluid Mechanics, 2013, 733, 650-679.	3.4	16
12	Aerodynamic Analysis of an Airfoil With Leading Edge Pitting Erosion. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.8	14
13	A scaling improved inner-outer decomposition of near-wall turbulent motions. Physics of Fluids, 2021, 33, .	4.0	14
14	Large eddy simulation of high-Reynolds-number atmospheric boundary layer flow with improved near-wall correction. Applied Mathematics and Mechanics (English Edition), 2020, 41, 33-50.	3.6	11
15	Logarithmic-Linear Law of the Streamwise Velocity Variance in Stably Stratified Boundary Layers. Boundary-Layer Meteorology, 2022, 183, 199-213.	2.3	11
16	Aerodynamic map for soft and hard hypersonic level flight in near space. Acta Mechanica Sinica/Lixue Xuebao, 2009, 25, 571-575.	3.4	10
17	Motion transitions of falling plates via quasisteady aerodynamics. Physical Review E, 2014, 90, 013020.	2.1	9
18	Effects of Leading Edge Defect on the Aerodynamic and Flow Characteristics of an S809 Airfoil. PLoS ONE, 2016, 11, e0163443.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Third-order structure function in the logarithmic layer of boundary-layer turbulence. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	7
20	Particle resolved simulation of sediment transport by a hybrid parallel approach. <i>International Journal of Multiphase Flow</i> , 2022, 152, 104072.	3.4	7
21	Compressibility effect on natural convection flow along a vertical plate with isotherm and streamwise sinusoidal surface temperature. <i>International Journal of Heat and Mass Transfer</i> , 2016, 99, 738-749.	4.8	6
22	Application of High-Order Compact Difference Scheme in the Computation of Incompressible Wall-Bounded Turbulent Flows. <i>Computation</i> , 2018, 6, 31.	2.0	6
23	On dust concentration profile above an area source in a neutral atmospheric surface layer. <i>Environmental Fluid Mechanics</i> , 2017, 17, 1171-1188.	1.6	3
24	An elliptic foil rotating in uniform low-Reynolds-number flows. <i>Fluid Dynamics Research</i> , 2020, 52, 055509.	1.3	3
25	On the Vortex Detection Method Using Continuous Wavelet Transform with Application to Propeller Wake Analysis. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-9.	1.1	2