

S Elghobashi

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

3,376
citations

686830

13
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

1762
citing authors

#	ARTICLE	IF	CITATIONS
1	On predicting particle-laden turbulent flows. <i>Flow, Turbulence and Combustion</i> , 1994, 52, 309-329.	0.2	1,130
2	On the two-way interaction between homogeneous turbulence and dispersed solid particles. I: Turbulence modification. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993, 5, 1790-1801.	1.6	490
3	Direct simulation of particle dispersion in a decaying isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 1992, 242, 655-700.	1.4	391
4	On the physical mechanisms of two-way coupling in particle-laden isotropic turbulence. <i>Physics of Fluids</i> , 2003, 15, 315-329.	1.6	297
5	Particle-laden turbulent flows: direct simulation and closure models. <i>Flow, Turbulence and Combustion</i> , 1991, 48, 301-314.	0.2	196
6	Two-component LDA measurement in a two-phase turbulent jet. <i>AIAA Journal</i> , 1984, 22, 624-630.	1.5	179
7	Direct numerical simulations of bubble-laden turbulent flows using the two-fluid formulation. <i>Physics of Fluids</i> , 1998, 10, 685-697.	1.6	133
8	Prediction of the particle-laden jet with a two-equation turbulence model. <i>International Journal of Multiphase Flow</i> , 1984, 10, 697-710.	1.6	124
9	On the mechanisms of modifying the structure of turbulent homogeneous shear flows by dispersed particles. <i>Physics of Fluids</i> , 2000, 12, 2906.	1.6	114
10	On the decay rate of isotropic turbulence laden with microparticles. <i>Physics of Fluids</i> , 1999, 11, 602-610.	1.6	80
11	Direct numerical simulation of particle dispersion in homogeneous turbulent shear flows. <i>Physics of Fluids</i> , 2001, 13, 3346-3364.	1.6	67
12	On the two-way interaction between homogeneous turbulence and dispersed solid particles. II. Particle dispersion. <i>Physics of Fluids</i> , 1994, 6, 1405-1407.	1.6	63
13	On locating the obstruction in the upper airway via numerical simulation. <i>Respiratory Physiology and Neurobiology</i> , 2014, 193, 1-10.	0.7	44
14	Particle-laden turbulent flows: direct simulation and closure models. , 1991, , 91-104.		25
15	An experimental study of a turbulent round two-phase jet. , 1982, , .		13
16	Effects of gravity on turbulent nonpremixed flames. <i>Physics of Fluids</i> , 1999, 11, 3123-3135.	1.6	13
17	Effect of heated air blanket on the dispersion of squames in an operating room. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e2960.	1.0	11
18	Eulerian-Lagrangian bridge for the energy and dissipation spectra in isotropic turbulence. <i>Theoretical and Computational Fluid Dynamics</i> , 2014, 28, 197-213.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Analytical model of the time developing turbulent boundary layer. JETP Letters, 2007, 86, 102-107.	0.4	1