

S Elghobashi

List of Publications by Year in descending order

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19
papers

3,376
citations

687363

13
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1762
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of heated air blanket on the dispersion of squames in an operating room. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2960.	2.1	11
2	Eulerian-Lagrangian bridge for the energy and dissipation spectra in isotropic turbulence. Theoretical and Computational Fluid Dynamics, 2014, 28, 197-213.	2.2	3
3	On locating the obstruction in the upper airway via numerical simulation. Respiratory Physiology and Neurobiology, 2014, 193, 1-10.	1.6	44
4	Analytical model of the time developing turbulent boundary layer. JETP Letters, 2007, 86, 102-107.	1.4	1
5	On the physical mechanisms of two-way coupling in particle-laden isotropic turbulence. Physics of Fluids, 2003, 15, 315-329.	4.0	297
6	Direct numerical simulation of particle dispersion in homogeneous turbulent shear flows. Physics of Fluids, 2001, 13, 3346-3364.	4.0	67
7	On the mechanisms of modifying the structure of turbulent homogeneous shear flows by dispersed particles. Physics of Fluids, 2000, 12, 2906.	4.0	114
8	Effects of gravity on turbulent nonpremixed flames. Physics of Fluids, 1999, 11, 3123-3135.	4.0	13
9	On the decay rate of isotropic turbulence laden with microparticles. Physics of Fluids, 1999, 11, 602-610.	4.0	80
10	Direct numerical simulations of bubble-laden turbulent flows using the two-fluid formulation. Physics of Fluids, 1998, 10, 685-697.	4.0	133
11	On predicting particle-laden turbulent flows. Flow, Turbulence and Combustion, 1994, 52, 309-329.	0.2	1,130
12	On the two-way interaction between homogeneous turbulence and dispersed solid particles. II. Particle dispersion. Physics of Fluids, 1994, 6, 1405-1407.	4.0	63
13	On the two-way interaction between homogeneous turbulence and dispersed solid particles. I: Turbulence modification. Physics of Fluids A, Fluid Dynamics, 1993, 5, 1790-1801.	1.6	490
14	Direct simulation of particle dispersion in a decaying isotropic turbulence. Journal of Fluid Mechanics, 1992, 242, 655-700.	3.4	391
15	Particle-laden turbulent flows: direct simulation and closure models. Flow, Turbulence and Combustion, 1991, 48, 301-314.	0.2	196
16	Particle-laden turbulent flows: direct simulation and closure models. , 1991, , 91-104.		25
17	Prediction of the particle-laden jet with a two-equation turbulence model. International Journal of Multiphase Flow, 1984, 10, 697-710.	3.4	124
18	Two-component LDA measurement in a two-phase turbulent jet. AIAA Journal, 1984, 22, 624-630.	2.6	179

#	ARTICLE	IF	CITATIONS
19	An experimental study of a turbulent round two-phase jet. , 1982, , .		13