Jiannong Fang

List of Publications by Year
in descending order

24 papers	1,147 citations	471509 17 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	941 citing authors

#	Article	IF	Citations
1	Numerical Weather Prediction and Artificial Neural Network Coupling for Wind Energy Forecast. Energies, 2021, 14, 338.	3.1	36
2	Wind Energy Prediction in Highly Complex Terrain by Computational Fluid Dynamics. Energies, 2019, 12, 1311.	3.1	16
3	Shifts in wind energy potential following land-use driven vegetation dynamics in complex terrain. Science of the Total Environment, 2018, 639, 374-384.	8.0	9
4	Intercomparison of terrain-following coordinate transformation and immersed boundary methods in large-eddy simulation of wind fields over complex terrain. Journal of Physics: Conference Series, 2016, 753, 082008.	0.4	4
5	Large-Eddy Simulation of Very-Large-Scale Motions in the Neutrally Stratified Atmospheric Boundary Layer. Boundary-Layer Meteorology, 2015, 155, 397-416.	2.3	64
6	Parallelization of the distinct lattice spring model. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 51-74.	3.3	32
7	Flow over Hills: A Large-Eddy Simulation of the Bolund Case. Boundary-Layer Meteorology, 2013, 148, 177-194.	2.3	64
8	A coupled distinct lattice spring model for rock failure under dynamic loads. Computers and Geotechnics, 2012, 42, 1-20.	4.7	22
9	Towards oscillation-free implementation of the immersed boundary method with spectral-like methods. Journal of Computational Physics, 2011, 230, 8179-8191.	3.8	26
10	A 3D distinct lattice spring model for elasticity and dynamic failure. International Journal for Numerical and Analytical Methods in Geomechanics, 2011, 35, 859-885.	3.3	247
11	On the high frequency oscillatory tube flow of healthy human blood. Journal of Non-Newtonian Fluid Mechanics, 2009, 163, 45-61.	2.4	9
12	Improved SPH methods for simulating free surface flows of viscous fluids. Applied Numerical Mathematics, 2009, 59, 251-271.	2.1	124
13	On the Truly Meshless Solution of Heat Conduction Problems in Heterogeneous Media. Numerical Heat Transfer, Part B: Fundamentals, 2009, 55, 1-13.	0.9	24
14	A regularized Lagrangian finite point method for the simulation of incompressible viscous flows. Journal of Computational Physics, 2008, 227, 8894-8908.	3.8	42
15	A non-homogeneous constitutive model for human blood. Journal of Non-Newtonian Fluid Mechanics, 2008, 155, 161-173.	2.4	43
16	A non-homogeneous constitutive model for human blood. Part 1. Model derivation and steady flow. Journal of Fluid Mechanics, 2008, 617, 327-354.	3.4	64
17	A numerical study of the SPH method for simulating transient viscoelastic free surface flows. Journal of Non-Newtonian Fluid Mechanics, 2006, 139, 68-84.	2.4	130
18	Numerical simulations of pulsatile blood flow using a new constitutive model. Biorheology, 2006, 43, 637-60.	0.4	26

#	Article	IF	Citations
19	New constitutive equations derived from a kinetic model for melts and concentrated solutions of linear polymers. Rheologica Acta, 2005, 44, 577-590.	2.4	1
20	Towards more realistic kinetic models for concentrated solutions and melts. Journal of Non-Newtonian Fluid Mechanics, 2004, 122, 79-90.	2.4	4
21	A Fokker–Planck-based numerical method for modelling non-homogeneous flows of dilute polymeric solutions. Journal of Non-Newtonian Fluid Mechanics, 2004, 122, 273-286.	2.4	18
22	Fokker–Planck simulations of fast flows of melts and concentrated polymer solutions in complex geometries. Journal of Rheology, 2003, 47, 535-561.	2.6	29
23	ON THE NUMERICAL SIMULATION OF FLOWS OF POLYMER SOLUTIONS USING HIGH-ORDER METHODS BASED ON THE FOKKER-PLANCK EQUATION. International Journal of Modern Physics B, 2003, 17, 9-14.	2.0	5
24	A thermodynamically admissible reptation model for fast flows of entangled polymers. II. Model predictions for shear and extensional flows. Journal of Rheology, 2000, 44, 1293-1317.	2.6	108