Pingjian Ming

List of Publications by Year
in descending order

36 papers	237 citations	1163117 8 h-index	1058476 14 g-index
36 all docs	36 docs citations	36 times ranked	190 citing authors

#	Article	IF	Citations
1	Numerical Simulation of Sloshing in Rectangular Tank with VOF Based on Unstructured Grids. Journal of Hydrodynamics, 2010, 22, 856-864.	3.2	29
2	Numerical and experimental investigations of centrifugal compressor BPF noise. Applied Acoustics, 2019, 150, 290-301.	3.3	25
3	Dynamic and energy analysis of coalescence-induced self-propelled jumping of binary unequal-sized droplets. Physics of Fluids, 2019, 31, .	4.0	25
4	An Unstructured Finite-Volume Method for Transient Heat Conduction Analysis of Multilayer Functionally Graded Materials with Mixed Grids. Numerical Heat Transfer, Part B: Fundamentals, 2013, 63, 222-247.	0.9	20
5	Effect of radius ratios of two droplets on coalescence-induced self-propelled jumping. AIP Advances, 2018, 8, .	1.3	17
6	Time domain finite volume method for three-dimensional structural–acoustic coupling analysis. Applied Acoustics, 2014, 76, 138-149.	3.3	11
7	Numerical Simulation of Natural Convection and Radiation Heat Transfer in Two-Dimensional Enclosure on Hybrid Grids. Numerical Heat Transfer, Part B: Fundamentals, 2012, 61, 505-520.	0.9	8
8	A high-order control volume finite element method for 3-D transient heat conduction analysis of multilayer functionally graded materials. Numerical Heat Transfer, Part B: Fundamentals, 2018, 73, 363-385.	0.9	8
9	A High Order Control Volume Finite Element Method for Transient Heat Conduction Analysis of Multilayer Functionally Graded Materials with Mixed Grids. Journal of Thermal Science, 2020, 29, 144-158.	1.9	8
10	Numerical Simulation of Low Reynolds Number Fluid-Structure Interaction with Immersed Boundary Method. Chinese Journal of Aeronautics, 2009, 22, 480-485.	5.3	7
11	Numerical investigation of marine diesel engine turbocharger compressor tonal noise. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 71-84.	1.9	7
12	Three-dimensional simulation of two-phase flow in a complex gallery and telescopic pipe coupled system. Applied Thermal Engineering, 2020, 169, 114918.	6.0	7
13	A direct time-integral THINC scheme for sharp interfaces. Journal of Computational Physics, 2019, 393, 139-161.	3.8	6
14	Coalescence-induced self-propelled jumping of three droplets on non-wetting surfaces: Droplet arrangement effects. Journal of Applied Physics, 2021, 129, .	2.5	6
15	A control volume finite element method for the thermoelastic problem in functional graded material with one relaxation time. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2554-2569.	2.1	6
16	An unstructured finite volume time domain method for structural dynamics. Applied Mathematical Modelling, 2012, 36, 183-192.	4.2	4
17	Numerical Study on Transient Heat Transfer of a Quartz Lamp Heating System. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	4
18	Finite-Volume Methods for Anisotropic Diffusion Problems on Skewed Meshes. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 239-256.	0.9	4

#	ARTICLE	IF	CITATIONS
19	NUMERICAL SIMULATION OF HIGH-PRESSURE FUEL SPRAY BY USING A NEW HYBRID BREAKUP MODEL. Atomization and Sprays, 2017, 27, 999-1023.	0.8	4
20	Research on marine boiler's pressurized combustion and heat transfer. Journal of Thermal Science, 2005, 14, 76-80.	1.9	3
21	A Parallel VOF Method for Simulation of Water Impact on Rigid Structure. Procedia Engineering, 2013, 61, 306-314.	1.2	3
22	Effect of hybrid breakup modelling on flame lift-off length and soot predictions. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2018, 232, 1049-1062.	1.4	3
23	Analysis of Intake Silencer Insertion Loss in a Marine Diesel Engine Turbocharger Based on Computational Fluid Dynamics and Acoustic Finite Element Method. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	3
24	A high-order control volume finite element method for thermoelastic analysis of functionally graded solids with mixed grids. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3994-4013.	2.1	3
25	Experimental visualization of two-phase flow inside a real-size piston of a crosshead-type marine engine. International Journal of Green Energy, 2022, 19, 1267-1275.	3.8	3
26	Thermal hydraulic characteristics of spiral cross rod bundles in a lead–bismuth-cooled fast reactor. Annals of Nuclear Energy, 2022, 167, 108850.	1.8	3
27	Numerical study on the behavior of vapor bubbles during boiling with surface acoustic wave (SAW). International Journal of Heat and Mass Transfer, 2022, 192, 122928.	4.8	3
28	Unstructured finite volume method for water impact on a rigid body. Journal of Hydrodynamics, 2014, 26, 538-548.	3.2	2
29	Unified strategy of supermesh generation for planar, cylindrical, and spherical non-conformal interfaces by using 2-D intersection algorithm. Applied Mathematical Modelling, 2021, 94, 791-813.	4.2	2
30	Natural Convection Coupled with Radiation Heat Transfer in Slanted Square and Shallow Enclosures Containing an Isotropic Scattering Medium. Numerical Heat Transfer; Part A: Applications, 2015, 68, 1369-1393.	2.1	1
31	Numerical Method on Natural Convection and Radiation Heat Transfer with an Isotropic Scattering Medium. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 434-458.	0.9	1
32	Modal decomposition methods for distributed excitation force field on tube bundle in cross flow. European Journal of Mechanics, B/Fluids, 2021, 86, 57-66.	2.5	1
33	Numerical Study on Radiation Heat Transfer in Diesel Engine With 3D Unstructured Finite Volume Method. , 2013, , .		0
34	An improved viscous/acoustic splitting method by analyzing source effects. AIP Advances, 2018, 8, 115136.	1.3	0
35	A comparison of spray and combustion characteristics of biodiesel (soy methyl ester, rapeseed methyl) Tj ETQq1 1 0.784314 rgBT /Over Automobile Engineering, 2019, 233, 1712-1723.	1.9	0
36	Numerical Investigation of Combustion and Emission With Different Diesel Surrogate Fuel by Hybrid Breakup Model. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	0