

# Wenliang Qi

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

185  
citations

1307594

7  
h-index

1125743

13  
g-index

24  
all docs

24  
docs citations

24  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coalescence-induced self-propelled jumping of three droplets on non-wetting surfaces: Droplet arrangement effects. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	6
2	A control volume finite element method for the thermoelastic problem in functional graded material with one relaxation time. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 2554-2569.	2.1	6
3	A High Order Control Volume Finite Element Method for Transient Heat Conduction Analysis of Multilayer Functionally Graded Materials with Mixed Grids. <i>Journal of Thermal Science</i> , 2020, 29, 144-158.	1.9	8
4	Numerical investigation of marine diesel engine turbocharger compressor tonal noise. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020, 234, 71-84.	1.9	7
5	Dynamic wetting and heat transfer during droplet impact on bi-phobic wettability-patterned surfaces. <i>Physics of Fluids</i> , 2020, 32, .	4.0	32
6	A comparison of spray and combustion characteristics of biodiesel (soy methyl ester, rapeseed methyl) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> <i>Automobile Engineering</i> , 2019, 233, 1712-1723.	1.9	0
7	Numerical study of hydrodynamic and thermodynamic characteristics of a heat exchanger muffler. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 5515-5525.	1.5	10
8	A Parameter-Free Gradient-Based Limiter for the FR/CPR method on Mixed Unstructured Meshes. , 2019, , .		3
9	Numerical and experimental analyses of intake silencer and its effects on turbocharger compressor performance. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401982667.	1.6	3
10	Numerical and experimental investigations of centrifugal compressor BPF noise. <i>Applied Acoustics</i> , 2019, 150, 290-301.	3.3	25
11	Evaporation of Sessile Water Droplets on Horizontal and Vertical Biphobic Patterned Surfaces. <i>Langmuir</i> , 2019, 35, 17185-17192.	3.5	30
12	A high-order control volume finite element method for thermoelastic analysis of functionally graded solids with mixed grids. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 3994-4013.	2.1	3
13	Effect of hybrid breakup modelling on flame lift-off length and soot predictions. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2018, 232, 1049-1062.	1.4	3
14	A high-order control volume finite element method for 3-D transient heat conduction analysis of multilayer functionally graded materials. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2018, 73, 363-385.	0.9	8
15	Kinetics simulation and a novel curing procedure to avoid thermal shock during the curing process of epoxy composites. <i>RSC Advances</i> , 2016, 6, 65533-65540.	3.6	4
16	Finite-Volume Methods for Anisotropic Diffusion Problems on Skewed Meshes. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2015, 68, 239-256.	0.9	4
17	Natural Convection Coupled with Radiation Heat Transfer in Slanted Square and Shallow Enclosures Containing an Isotropic Scattering Medium. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015, 68, 1369-1393.	2.1	1
18	Numerical Method on Natural Convection and Radiation Heat Transfer with an Isotropic Scattering Medium. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2015, 68, 434-458.	0.9	1

#	ARTICLE	IF	CITATIONS
19	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
20	Numerical Study on Radiation Heat Transfer in Diesel Engine With 3D Unstructured Finite Volume Method. , 2013, , .		0
21	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
22	Resolution of Computational Aeroacoustics Problems on Unstructured Grids with Splitting Method of Low Mach Number Flows. , 2011, , .		0
23	Numerical Simulation of Combustion in a Wall Jet Combustor with a Fast Particle Tracking Algorithm. , 2011, , .		0
24	Research on marine boiler's pressurized combustion and heat transfer. Journal of Thermal Science, 2005, 14, 76-80.	1.9	3