

Peng-fei Wang

List of Publications by Year in descending order

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14
papers

125
citations

1684188

5
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

71
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of penetration process of fragments in ballistic gelatin. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 3375-3386.	2.1	0
2	Recent progress in minimizing the warpage and shrinkage deformations by the optimization of process parameters in plastic injection molding: a review. International Journal of Advanced Manufacturing Technology, 2022, 120, 85-101.	3.0	52
3	Numerical investigation of Tesla valves with a variable angle. Physics of Fluids, 2022, 34, .	4.0	13
4	Patterning High-Resolution Microstructures on Thermoplastics by Ceramic Nanoparticles Filled Epoxy Coated Molds for Duplicating Nature-Derived Functional Surfaces. ACS Applied Materials & Interfaces, 2022, 14, 28270-28279.	8.0	1
5	Investigation of viscous effects on droplet generation in a co-flowing step emulsification device. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127468.	4.7	1
6	Numerical Investigation of the Turbulent Wake-Boundary Interaction in a Translational Cascade of Airfoils and Flat Plate. Energies, 2020, 13, 4478.	3.1	0
7	A resistance force model for spherical projectiles penetrating ballistic gelatin based on cavity expansion theory. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, , 095440622096483.	2.1	2
8	Design and optimization of the transition curve in the novel profiled chamber metering pump. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2020, 234, 435-446.	0.8	2
9	Investigation on the boundary layer transition with the effects of periodic passing wakes. Physics of Fluids, 2020, 32, .	4.0	7
10	Research of Modal Analysis for Impeller of Reactor Coolant Pump. Applied Sciences (Switzerland), 2019, 9, 4551.	2.5	3
11	An adjoint-based optimization method for reducing the axial force of a reactor coolant pump. Journal of Zhejiang University: Science A, 2019, 20, 852-863.	2.4	1
12	Research on the non-uniform inflow characteristics of the canned nuclear coolant pump. Annals of Nuclear Energy, 2018, 115, 423-429.	1.8	25
13	Creating monodispersed droplets with electrowetting-on-dielectric step emulsification. AIP Advances, 2018, 8, 075113.	1.3	4
14	Analysis of Pressure Pulsation Induced by Rotor-Stator Interaction in Nuclear Reactor Coolant Pump. Shock and Vibration, 2017, 2017, 1-18.	0.6	14