

Mohammad Taghi Shervani-Tabar

List of Publications by Year in descending order

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26
papers

526
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623734

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26
all docs

26
docs citations

26
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	Cavitation intensity monitoring in an axial flow pump based on vibration signals using multi-class support vector machine. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 3013-3026.	2.1	25
2	Numerical study on the impulsive growth of a gaseous plug inside a cylindrical vein with compliant coating. BiolImpacts, 2018, 8, 271-279.	1.5	0
3	Numerical simulation of diesel injector nozzle flow and in-cylinder spray evolution. Applied Mathematical Modelling, 2016, 40, 8617-8629.	4.2	16
4	Analysis of windbreaker combinations on steam power plant natural draft dry cooling towers. Applied Thermal Engineering, 2016, 99, 550-559.	6.0	28
5	Interaction of two spark-generated bubbles near a confined free surface. Theoretical and Computational Fluid Dynamics, 2016, 30, 185-209.	2.2	14
6	Numerical study of the effects of injector needle movement and the nozzle inclination angle on the internal fluid flow and spray structure of a group-hole nozzle layout. Applied Mathematical Modelling, 2015, 39, 7718-7733.	4.2	13
7	Experimental study on the dynamics of an oscillating bubble in a vertical rigid tube. Experimental Thermal and Fluid Science, 2015, 60, 299-307.	2.7	15
8	Numerical study on the oscillation of a transient bubble near a confined free surface for droplet generation. Theoretical and Computational Fluid Dynamics, 2014, 28, 449-472.	2.2	14
9	Numerical study on the hydrodynamic behavior of the dielectric fluid around an electrical discharge generated bubble in EDM. Theoretical and Computational Fluid Dynamics, 2013, 27, 701-719.	2.2	7
10	Numerical study of the dielectric liquid around an electrical discharge generated vapor bubble in ultrasonic assisted EDM. Ultrasonics, 2013, 53, 943-955.	3.9	21
11	Perfect plastic deformation of a circular thin metal plate due to pulsation of a vapour bubble. International Journal of Mechanical Sciences, 2013, 75, 345-356.	6.7	7
12	Numerical study on the splitting of a vapor bubble in the ultrasonic assisted EDM process with the curved tool and workpiece. Ultrasonics, 2013, 53, 203-210.	3.9	15
13	Numerical study on the effect of the injection pressure on spray penetration length. Applied Mathematical Modelling, 2013, 37, 7778-7788.	4.2	32
14	Effects of Simultaneous Ultrasonic Vibration of the Tool and the Workpiece in Ultrasonic Assisted EDM. International Journal for Computational Methods in Engineering Science and Mechanics, 2013, 14, 1-9.	2.1	13
15	Effect of the viscosity on the behavior of a single bubble near a membrane. International Journal of Multiphase Flow, 2012, 47, 17-24.	3.4	26
16	Boundary element analysis of the droplet dynamics induced by spark-generated bubble. Engineering Analysis With Boundary Elements, 2012, 36, 1595-1603.	3.7	32
17	Characterization of the interaction of two oscillating bubbles near a thin elastic membrane. Experiments in Fluids, 2012, 53, 1723-1735.	2.4	11
18	Numerical study on the effect of the cavitation phenomenon on the characteristics of fuel spray. Mathematical and Computer Modelling, 2012, 56, 105-117.	2.0	37

#	ARTICLE	IF	CITATIONS
19	Velocity field and pressure distribution around a collapsing cavitation bubble during necking and splitting. <i>Journal of Engineering Mathematics</i> , 2011, 71, 349-366.	1.2	12
20	Numerical study on the dynamics of an electrical discharge generated vapor bubble in EDM with different shapes of the tool and the workpiece. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 56, 151-159.	3.0	13
21	A note on spark bubble drop-on-demand droplet generation: simulation and experiment. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 56, 245-259.	3.0	24
22	A numerical and experimental study of a collapsing bubble-induced droplet ejector. <i>Theoretical and Computational Fluid Dynamics</i> , 2009, 23, 297-316.	2.2	18
23	A collapsing bubble-induced microinjector: an experimental study. <i>Experiments in Fluids</i> , 2009, 46, 419-434.	2.4	65
24	Numerical study on the splitting of a vapour bubble in the process of EDM. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 38, 657-673.	3.0	14
25	Numerical and experimental study on the effect of vibration of the tool in ultrasonic assisted EDM. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 719-731.	3.0	25
26	Numerical study on the dynamics of an electrical discharge generated bubble in EDM. <i>Engineering Analysis With Boundary Elements</i> , 2006, 30, 503-514.	3.7	29