

Mohammad Taghi Shervani-Tabar

List of Publications by Year in descending order

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26
papers

526
citations

623734

14
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642732

23
g-index

26
all docs

26
docs citations

26
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	A collapsing bubble-induced microinjector: an experimental study. <i>Experiments in Fluids</i> , 2009, 46, 419-434.	2.4	65
2	Numerical study on the effect of the cavitation phenomenon on the characteristics of fuel spray. <i>Mathematical and Computer Modelling</i> , 2012, 56, 105-117.	2.0	37
3	Boundary element analysis of the droplet dynamics induced by spark-generated bubble. <i>Engineering Analysis With Boundary Elements</i> , 2012, 36, 1595-1603.	3.7	32
4	Numerical study on the effect of the injection pressure on spray penetration length. <i>Applied Mathematical Modelling</i> , 2013, 37, 7778-7788.	4.2	32
5	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
6	Analysis of windbreaker combinations on steam power plant natural draft dry cooling towers. <i>Applied Thermal Engineering</i> , 2016, 99, 550-559.	6.0	28
7	Effect of the viscosity on the behavior of a single bubble near a membrane. <i>International Journal of Multiphase Flow</i> , 2012, 47, 17-24.	3.4	26
8	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
9	Cavitation intensity monitoring in an axial flow pump based on vibration signals using multi-class support vector machine. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 3013-3026.	2.1	25
10	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
11	Numerical study of the dielectric liquid around an electrical discharge generated vapor bubble in ultrasonic assisted EDM. <i>Ultrasonics</i> , 2013, 53, 943-955.	3.9	21
12	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
13	Numerical simulation of diesel injector nozzle flow and in-cylinder spray evolution. <i>Applied Mathematical Modelling</i> , 2016, 40, 8617-8629.	4.2	16
14	Numerical study on the splitting of a vapor bubble in the ultrasonic assisted EDM process with the curved tool and workpiece. <i>Ultrasonics</i> , 2013, 53, 203-210.	3.9	15
15	Experimental study on the dynamics of an oscillating bubble in a vertical rigid tube. <i>Experimental Thermal and Fluid Science</i> , 2015, 60, 299-307.	2.7	15
16	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
17	Numerical study on the oscillation of a transient bubble near a confined free surface for droplet generation. <i>Theoretical and Computational Fluid Dynamics</i> , 2014, 28, 449-472.	2.2	14
18	Interaction of two spark-generated bubbles near a confined free surface. <i>Theoretical and Computational Fluid Dynamics</i> , 2016, 30, 185-209.	2.2	14

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19	Numerical study on the dynamics of an electrical discharge generated vapor bubble in EDM with different shapes of the tool and the workpiece. International Journal of Advanced Manufacturing Technology, 2011, 56, 151-159.	3.0	13
20	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
21	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
22	Velocity field and pressure distribution around a collapsing cavitation bubble during necking and splitting. Journal of Engineering Mathematics, 2011, 71, 349-366.	1.2	12
23	Characterization of the interaction of two oscillating bubbles near a thin elastic membrane. Experiments in Fluids, 2012, 53, 1723-1735.	2.4	11
24	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
25	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
26	Numerical study on the impulsive growth of a gaseous plug inside a cylindrical vein with compliant coating. BioImpacts, 2018, 8, 271-279.	1.5	0