

Marko Hočevar

List of Publications by Year in descending order

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29
papers

303
citations

933447

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29
all docs

29
docs citations

29
times ranked

306
citing authors

#	ARTICLE	IF	CITATIONS
1	Flowering estimation in apple orchards by image analysis. <i>Precision Agriculture</i> , 2014, 15, 466-478.	6.0	39
2	Scale deposit removal by means of ultrasonic cavitation. <i>Wear</i> , 2016, 356-357, 45-52.	3.1	32
3	Fast X-ray imaging of cavitating flows. <i>Experiments in Fluids</i> , 2017, 58, 1.	2.4	28
4	Prediction of cavitation vortex dynamics in the draft tube of a francis turbine using radial basis neural networks. <i>Neural Computing and Applications</i> , 2005, 14, 229-234.	5.6	24
5	Modeling of heat pump tumble dryer energy consumption and drying time. <i>Drying Technology</i> , 2019, 37, 1396-1404.	3.1	24
6	Cavitation as a Potential Technology for Wastewater Management – An Example of Enhanced Nutrient Release from Secondary Pulp and Paper Mill Sludge. <i>Strojniski Vestnik/Journal of Mechanical Engineering</i> , 2019, 65, 641-649.	1.1	20
7	Numerical and experimental investigation of axial fan with trailing edge self-induced blowing. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2009, 73, 129-138.	1.6	18
8	Study of Erosive Cavitation Detection in Pump Mode of Pump – Storage Hydropower Plant Prototype. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2014, 136, .	1.5	18
9	Liquid ligament formation dynamics on a spinning wheel. <i>Chemical Engineering Science</i> , 2014, 119, 187-198.	3.8	18
10	A Turbulent-Wake Estimation Using Radial Basis Function Neural Networks. <i>Flow, Turbulence and Combustion</i> , 2005, 74, 291-308.	2.6	14
11	Numerical Insight into the Kelvin-Helmholtz Instability Appearance in Cavitating Flow. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2644.	2.5	9
12	Challenges of numerical simulations of cavitation reactors for water treatment – An example of flow simulation inside a cavitating microchannel. <i>Ultrasonics Sonochemistry</i> , 2021, 77, 105663.	8.2	8
13	Distance-Dependent Multimodal Image Registration for Agriculture Tasks. <i>Sensors</i> , 2015, 15, 20845-20862.	3.8	7
14	Experimental Analysis of Cavitation Phenomena on Kaplan Turbine Blades Using Flow Visualization. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2019, 141, .	1.5	7
15	Analysis of Bulb Turbine Hydrofoil Cavitation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2639.	2.5	7
16	Thermovision Method for Diagnostics of Local Characteristics of Natural Draft Cooling Towers. <i>Instrumentation Science and Technology</i> , 2006, 34, 289-304.	1.8	5
17	Influence of load mass and drum speed on fabric motion and performance of a heat pump tumble dryer. <i>Drying Technology</i> , 2021, 39, 950-964.	3.1	4
18	Optimization of a Self-Excited Pulsed Air-Water Jet Nozzle Based on the Response Surface Methodology. <i>Strojniski Vestnik/Journal of Mechanical Engineering</i> , 2021, 67, 75-87.	1.1	4

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19	Plant protection product dose rate estimation in apple orchards using a fuzzy logic system. PLoS ONE, 2019, 14, e0214315.	2.5	3
20	Ranging of Turbulent Water Surfaces Using a Laser Triangulation Principle in a Laboratory Environment. Journal of Hydraulic Engineering, 2020, 146, 04020052.	1.5	3
21	Convective Drying of Sewage Sludge Layer in Through-flow. Strojniski Vestnik/Journal of Mechanical Engineering, 2020, 66, 481-493.	1.1	3
22	Heat Transfer Influenced by Turbulent Airflow Inside an Axially Rotating Diffuser. Flow, Turbulence and Combustion, 2008, 80, 3-19.	2.6	2
23	Influence of load mass, drum speed and load composition on evenness of drying in a heat pump tumble dryer. Drying Technology, 2022, 40, 2175-2187.	3.1	2
24	Water surface topology of supercritical junction flow. Journal of Hydrology and Hydromechanics, 2019, 67, 163-170.	2.0	2
25	Future needs for energy storage in the Alpine region. Acta Hydrotechnica, 2019, , 35-43.	0.4	1
26	Optimization and CFD performance analysis of an automotive coolant pump. Advances in Mechanical Engineering, 2022, 14, 168781322210816.	1.6	1
27	CTProfiler measurement method for natural draft cooling towers. , 2019, , .		0
28	Cooling performance and power consumption analysis of automobile engine cooling system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-17.	2.3	0
29	Effect of Blade Coating on a Centrifugal Pump Operation under Sediment-Laden Water Flow. Strojniski Vestnik/Journal of Mechanical Engineering, 2020, 66, 591-601.	1.1	0