

Carlo Poloni

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

9

papers

227

citations

4

h-index

9

g-index

9

ext. papers

256

ext. citations

3.2

avg, IF

2.34

L-index

#	Paper	IF	Citations
9	Hybridization of a multi-objective genetic algorithm, a neural network and a classical optimizer for a complex design problem in fluid dynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000 , 186, 403-420	5.7	140
8	Fluid-dynamic design optimization of hydraulic proportional directional valves. <i>Engineering Optimization</i> , 2014 , 46, 1295-1314	2	50
7	Algorithms for design optimization of chemistry of hard magnetic alloys using experimental data. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 454-467	5.7	27
6	Self-organizing maps for pattern recognition in design of alloys. <i>Materials and Manufacturing Processes</i> , 2017 , 32, 1067-1074	4.1	7
5	Evaluation of Surrogate Modelling Methods for Turbo-Machinery Component Design Optimization. <i>Computational Methods in Applied Sciences (Springer)</i> , 2015 , 209-223	0.4	1
4	A methodological approach ball bearing damage prediction under fretting wear conditions. 2008 ,		1
3	Application of Evolutionary Algorithms and Statistical Analysis in the Numerical Optimization of an Axial Compressor. <i>International Journal of Rotating Machinery</i> , 2005 , 2005, 143-151	1.3	1
2	Design and Optimization of a Gas Burner for TPV Application. <i>Journal of Computational Science and Technology</i> , 2013 , 7, 156-167		
1	Multi-Objective Design Optimisation of an Airfoil with Geometrical Uncertainties Leveraging Multi-Fidelity Gaussian Process Regression. <i>Space Technology Proceedings</i> , 2021 , 281-296		