

# Carlo Poloni

## List of Publications by Year in Descending Order

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