

Saverio Giulio Barbieri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3705688/publications.pdf>

Version: 2024-02-01

10
papers

122
citations

2258059

3
h-index

2272923

4
g-index

10
all docs

10
docs citations

10
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	A Design Strategy Based on Topology Optimization Techniques for an Additive Manufactured High Performance Engine Piston. <i>Procedia Manufacturing</i> , 2017, 11, 641-649.	1.9	32
2	Synergy between topology optimization and additive manufacturing in the automotive field. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2021, 235, 555-567.	2.4	25
3	Design of an Additive Manufactured Steel Piston for a High Performance Engine: Developing of a Numerical Methodology Based on Topology Optimization Techniques. <i>SAE International Journal of Engines</i> , 0, 11, 1139-1150.	0.4	17
4	Design of a Hybrid Power Unit for Formula SAE Application: Packaging Optimization and Thermomechanical Design of the Electric Motor Case. <i>SAE International Journal of Advances and Current Practices in Mobility</i> , 0, 2, 721-736.	2.0	11
5	A Simplified Methodology for the Analysis of the Cylinder Liner Bore Distortion: Finite Element Analyses and Experimental Validations. , 0, , .		10
6	Influence of the thermal deformation on the lubricating performance of the piston-gudgeon pin interface in an internal combustion engine. <i>Tribology International</i> , 2022, 174, 107719.	5.9	9
7	Thermo-Mechanical Analysis of the Exhaust Manifold of a High Performance Turbocharged Engine. <i>Key Engineering Materials</i> , 0, 774, 307-312.	0.4	6
8	A Finite Element Numerical Methodology for the Fatigue Analysis of Cylinder Liners of a High Performance Internal Combustion Engine. <i>Key Engineering Materials</i> , 0, 827, 288-293.	0.4	6
9	The Effects of the Specific Material Selection on the Structural Behaviour of the Piston-Liner Coupling of a High Performance Engine. , 0, , .		3
10	A simplified finite element methodology for the structural assessment of an engine piston under dynamic loadings. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	3