

Gianni Caligiana

List of Publications by Year in descending order

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papers

659
citations

687363

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22
all docs

22
docs citations

22
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Innovation design driven by QFD and TRIZ to develop new urban transportation means. Australian Journal of Mechanical Engineering, 2021, 19, 300-316.	2.1	8
2	Design for Six Sigma (DFSS) for additive manufacturing applied to an innovative multifunctional fan. International Journal on Interactive Design and Manufacturing, 2019, 13, 309-330.	2.2	30
3	Design for Disassembly (DfD) and Augmented Reality (AR): Case Study Applied to a Gearbox. Machines, 2019, 7, 29.	2.2	21
4	Real Time Shadow Mapping for Augmented Reality Photorealistic Rendering. Applied Sciences (Switzerland), 2019, 9, 2225.	2.5	10
5	Sustainable design of open molds with QFD and TRIZ combination. Journal of Industrial and Production Engineering, 2018, 35, 21-31.	3.1	24
6	Project of Inventive Ideas Through a TRIZ Study Applied to the Analysis of an Innovative Urban Transport Means. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2018, 8, 35-62.	0.4	3
7	Innovative Urban Transportation Means Developed by Integrating Design Methods. Machines, 2018, 6, 60.	2.2	2
8	Advanced Design Applied to an Original Multi-Purpose Ventilator Achievable by Additive Manufacturing. Applied Sciences (Switzerland), 2018, 8, 2635.	2.5	14
9	TRIZ method for innovation applied to an hoverboard. Cogent Engineering, 2018, 5, 1524537.	2.2	17
10	INCREASING INNOVATION OF A NEW TRANSPORTATION MEANS USING TRIZ METHODOLOGY. JP Journal of Heat and Mass Transfer, 2018, 15, 341-370.	0.2	9
11	Integrating QFD and TRIZ for innovative design. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2017, 11, JAMDSM0015-JAMDSM0015.	0.7	41
12	Strain gauge analysis of implant-supported, screw-retained metal frameworks: Comparison between different manufacturing technologies. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 840-846.	1.8	8
13	Fairing with neighbourhood LOD filtering to upgrade interactively B-Spline into Class-A curve. International Journal on Interactive Design and Manufacturing, 2014, 8, 67-75.	2.2	5
14	Comparative evaluation of different optimization methodologies for the design of UAVs having shape obtained by hot wire cutting techniques. International Journal on Interactive Design and Manufacturing, 2013, 7, 63-78.	2.2	14
15	Tablet-based 3D sketching and curve reverse modelling. International Journal of Computer Aided Engineering and Technology, 2013, 5, 188.	0.2	12
16	General anisotropic doubly-curved shell theory: A differential quadrature solution for free vibrations of shells and panels of revolution with a free-form meridian. Journal of Sound and Vibration, 2012, 331, 4848-4869.	3.9	86
17	Laminated composite rectangular and annular plates: A GDQ solution for static analysis with a posteriori shear and normal stress recovery. Composites Part B: Engineering, 2012, 43, 1847-1872.	12.0	73
18	Static analysis of laminated composite curved shells and panels of revolution with a posteriori shear and normal stress recovery using generalized differential quadrature method. International Journal of Mechanical Sciences, 2012, 61, 71-87.	6.7	68

#	ARTICLE	IF	CITATIONS
19	FGM and laminated doubly curved shells and panels of revolution with a free-form meridian: A 2-D GDQ solution for free vibrations. <i>International Journal of Mechanical Sciences</i> , 2011, 53, 446-470.	6.7	166
20	Numerical and experimental analysis of the interaction between two notches in carbon fibre laminates. <i>Composites Science and Technology</i> , 2008, 68, 1057-1072.	7.8	26
21	From spline to Class-A curves through multi-scale analysis filtering. <i>Computers and Graphics</i> , 2006, 30, 345-352.	2.5	4
22	GradH-Correction: guaranteed sizing gradation in multi-patch parametric surface meshing. <i>International Journal for Numerical Methods in Engineering</i> , 2005, 62, 495-515.	2.8	18