

# Gianni Caligiana

## List of Publications by Year in descending order

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22  
papers

659  
citations

687363

13  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

411  
citing authors

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

#	ARTICLE	IF	CITATIONS
19	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
20	From spline to Class-A curves through multi-scale analysis filtering. Computers and Graphics, 2006, 30, 345-352.	2.5	4
21	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
22	Innovative Urban Transportation Means Developed by Integrating Design Methods. Machines, 2018, 6, 60.	2.2	2