

# Juan Antonio Carretero

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

662  
citations

687220

13  
h-index

610775

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulating Jacobian matrices for the dexterity analysis of parallel manipulators. Mechanism and Machine Theory, 2006, 41, 1505-1519.	2.7	120
2	3-PRRR redundant planar parallel manipulator: Inverse displacement, workspace and singularity analyses. Mechanism and Machine Theory, 2007, 42, 1007-1016.	2.7	111
3	Quantitative dexterous workspace comparison of parallel manipulators. Mechanism and Machine Theory, 2007, 42, 1388-1400.	2.7	55
4	Wrench capability analysis of redundantly actuated spatial parallel manipulators. Mechanism and Machine Theory, 2009, 44, 1070-1081.	2.7	47
5	Kinematic analysis and path planning of a new kinematically redundant planar parallel manipulator. Robotica, 2008, 26, 405-413.	1.3	42
6	On the convergence and origin bias of the Teaching-Learning-Based-Optimization algorithm. Applied Soft Computing Journal, 2016, 46, 115-127.	4.1	41
7	Architecture optimisation of three 3-RS variants for parallel kinematic machining. Robotics and Computer-Integrated Manufacturing, 2009, 25, 64-72.	6.1	38
8	The integration of quality management and continuous improvement methodologies with management systems. International Journal of Productivity and Quality Management, 2010, 6, 269.	0.1	36
9	An evolutionary framework using particle swarm optimization for classification method PROAFTN. Applied Soft Computing Journal, 2011, 11, 4971-4980.	4.1	31
10	Differential Evolution for learning the classification method PROAFTN. Knowledge-Based Systems, 2010, 23, 418-426.	4.0	30
11	Reconfigurable mass parameters to cross direct kinematic singularities in parallel manipulators. Mechanism and Machine Theory, 2015, 85, 53-63.	2.7	16
12	Appropriate analysis of the four-bar linkage. Mechanism and Machine Theory, 2019, 139, 237-250.	2.7	16
13	A damping term based on material properties for the volume-based contact dynamics model. International Journal of Non-Linear Mechanics, 2012, 47, 103-112.	1.4	13
14	Comparing Cognitive Efficiency of Experienced and Inexperienced Designers in Conceptual Design Processes. Journal of Cognitive Engineering and Decision Making, 2014, 8, 330-351.	0.9	13
15	Thermodynamic optimization of solid oxide fuel cell-based combined cycle cogeneration plant. International Journal of Energy Research, 2011, 35, 1399-1411.	2.2	9
16	Six Sigma and Total Quality Management (TQM): similarities, differences and relationship. International Journal of Six Sigma and Competitive Advantage, 2009, 5, 237.	0.3	7
17	Dexterity measures and their use in quantitative dexterity comparisons. Meccanica, 2011, 46, 51-64.	1.2	7
18	An experimental approach to understanding design problem structuring strategies. Journal of Design Research, 2016, 14, 94.	0.1	6

#	ARTICLE	IF	CITATIONS
19	Solving the dynamic equations of a 3-PRS Parallel Manipulator for efficient model-based designs. Mechanical Sciences, 2016, 7, 9-17.	0.5	6
20	Kano-based Six Sigma utilising quality function deployment. International Journal of Quality Engineering and Technology, 2009, 1, 206.	0.0	5
21	Total company-wide management system: its components. International Journal of Business Excellence, 2013, 6, 161.	0.2	5
22	Celebrations for the 50-Year Anniversary of IFToMM. Machines, 2019, 7, 53.	1.2	3
23	Internal redundancy: an approach to improve the dynamic parameters around sharp corners. Mechanical Sciences, 2013, 4, 233-242.	0.5	3
24	Appropriate Synthesis of a Crank Rocker Linkage. Mechanisms and Machine Science, 2019, , 1507-1516.	0.3	2
25	Celebrations for the 50-Year Anniversary of IFToMM. Journal of Vibration Engineering and Technologies, 2020, 8, 485-488.	1.3	0