Juan Antonio Carretero

List of Publications by Year
in descending order

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	Celebrations for the 50-Year Anniversary of IFToMM. Journal of Vibration Engineering and Technologies, 2020, 8, 485-488.	1.3	0
2	Celebrations for the 50-Year Anniversary of IFToMM. Machines, 2019, 7, 53.	1.2	3
3	Appropriate Synthesis of a Crank Rocker Linkage. Mechanisms and Machine Science, 2019, , 1507-1516.	0.3	2
4	Appropriate analysis of the four-bar linkage. Mechanism and Machine Theory, 2019, 139, 237-250.	2.7	16
5	On the convergence and origin bias of the Teaching-Learning-Based-Optimization algorithm. Applied Soft Computing Journal, 2016, 46, 115-127.	4.1	41
6	An experimental approach to understanding design problem structuring strategies. Journal of Design Research, 2016, 14, 94.	0.1	6
7	Solving the dynamic equations of a 3-PRS Parallel Manipulator for efficient model-based designs. Mechanical Sciences, 2016, 7, 9-17.	0.5	6
8	Reconfigurable mass parameters to cross direct kinematic singularities in parallel manipulators. Mechanism and Machine Theory, 2015, 85, 53-63.	2.7	16
9	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
10	Total company-wide management system: its components. International Journal of Business Excellence, 2013, 6, 161.	0.2	5
11	Internal redundancy: an approach to improve the dynamic parameters around sharp corners. Mechanical Sciences, 2013, 4, 233-242.	0.5	3
12	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
13	An evolutionary framework using particle swarm optimization for classification method PROAFTN. Applied Soft Computing Journal, 2011, 11, 4971-4980.	4.1	31
14	Dexterity measures and their use in quantitative dexterity comparisons. Meccanica, 2011, 46, 51-64.	1.2	7
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	Differential Evolution for learning the classification method PROAFTN. Knowledge-Based Systems, 2010, 23, 418-426.	4.0	30
17	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
18	Wrench capability analysis of redundantly actuated spatial parallel manipulators. Mechanism and Machine Theory, 2009, 44, 1070-1081.	2.7	47

#	Article	IF	Citations
19	Architecture optimisation of three 3-RS variants for parallel kinematic machining. Robotics and Computer-Integrated Manufacturing, 2009, 25, 64-72.	6.1	38
20	Kano-based Six Sigma utilising quality function deployment. International Journal of Quality Engineering and Technology, 2009, 1, 206.	0.0	5
21	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
22	Kinematic analysis and path planning of a new kinematically redundant planar parallel manipulator. Robotica, 2008, 26, 405-413.	1.3	42
23	3-PRRR redundant planar parallel manipulator: Inverse displacement, workspace and singularity analyses. Mechanism and Machine Theory, 2007, 42, 1007-1016.	2.7	111
24	Quantitative dexterous workspace comparison of parallel manipulators. Mechanism and Machine Theory, 2007, 42, 1388-1400.	2.7	55
25	Formulating Jacobian matrices for the dexterity analysis of parallel manipulators. Mechanism and Machine Theory, 2006, 41, 1505-1519.	2.7	120