

Andrew P Murray

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10076791/publications.pdf>

Version: 2024-02-01

17
papers

189
citations

1163117

8
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

128
citing authors

#	ARTICLE	IF	CITATIONS
1	A planar quaternion approach to the kinematic synthesis of a parallel manipulator. <i>Robotica</i> , 1997, 15, 361-365.	1.9	33
2	Design of Planar, Shape-Changing Rigid-Body Mechanisms for Morphing Aircraft Wings. <i>Journal of Mechanisms and Robotics</i> , 2012, 4, .	2.2	32
3	Kinematic Synthesis of Planar, Shape-Changing Rigid-Body Mechanisms. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008, 130, .	2.9	29
4	A Distance Metric for Finite Sets of Rigid-Body Displacements via the Polar Decomposition. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2007, 129, 883-886.	2.9	25
5	Synthesis of Planar Rigid-Body Mechanisms Approximating Shape Changes Defined by Closed Curves. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2009, 131, .	2.9	15
6	Computing the Branches, Singularity Trace, and Critical Points of Single Degree-of-Freedom, Closed-Loop Linkages. <i>Journal of Mechanisms and Robotics</i> , 2014, 6, .	2.2	13
7	A Function Generation Synthesis Methodology for All Defect-Free Slider-Crank Solutions for Four Precision Points. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	2.2	11
8	Synthesizing Single DOF Linkages Via Transition Linkage Identification. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008, 130, .	2.9	10
9	Assessing Position Order in Rigid Body Guidance: An Intuitive Approach to Fixed Pivot Selection. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2009, 131, .	2.9	4
10	The Synthesis of Function Generating Mechanisms for Periodic Curves Using Large Numbers of Double-Crank Linkages. <i>Journal of Mechanisms and Robotics</i> , 2017, 9, .	2.2	4
11	Design and Experimental Assessment of Variable-Geometry Dies for Polymer Extrusion. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2018, 140, .	2.9	3
12	Improving Techniques in Statically Equivalent Serial Chain Modeling for Center of Mass Estimation. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	2.2	2
13	Singularity Traces of Single Degree-of-Freedom Planar Linkages That Include Prismatic and Revolute Joints. <i>Journal of Mechanisms and Robotics</i> , 2016, 8, .	2.2	2
14	Special Unitary Matrices in the Analysis and Synthesis of Spherical Linkages. <i>Journal of Mechanisms and Robotics</i> , 2019, 11, .	2.2	2
15	Synthesizing Mechanical Chains for Morphing Between Spatial Curves. <i>Journal of Mechanisms and Robotics</i> , 2020, 12, .	2.2	2
16	Singularity Free Revolute-Prismatic-Revolute and Spherical-Prismatic-Spherical Chains for Actuating Planar and Spherical Single Degree of Freedom Mechanisms. <i>Journal of Mechanisms and Robotics</i> , 2012, 4, .	2.2	1
17	Six-Bar Linkage Models of a Recumbent Tricycle Mechanism to Increase Power Throughput in FES Cycling. <i>Robotics</i> , 2022, 11, 26.	3.5	1