

Andrew P Murray

List of Publications by Year in descending order

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128
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#	ARTICLE	IF	CITATIONS
1	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
2	Synthesizing Mechanical Chains for Morphing Between Spatial Curves. <i>Journal of Mechanisms and Robotics</i> , 2020, 12, .	2.2	2
3	Special Unitary Matrices in the Analysis and Synthesis of Spherical Linkages. <i>Journal of Mechanisms and Robotics</i> , 2019, 11, .	2.2	2
4	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
5	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
6	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
7	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
8	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
9	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
10	Design of Planar, Shape-Changing Rigid-Body Mechanisms for Morphing Aircraft Wings. <i>Journal of Mechanisms and Robotics</i> , 2012, 4, .	2.2	32
11	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
12	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
13	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
14	Kinematic Synthesis of Planar, Shape-Changing Rigid-Body Mechanisms. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008, 130, .	2.9	29
15	Synthesizing Single DOF Linkages Via Transition Linkage Identification. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008, 130, .	2.9	10
16	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
17	A planar quaternion approach to the kinematic synthesis of a parallel manipulator. <i>Robotica</i> , 1997, 15, 361-365.	1.9	33