

Kalind C Carpenter

List of Publications by Year in descending order

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17
papers

330
citations

1163117
8
h-index

1372567
10
g-index

17
all docs

17
docs citations

17
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	Team RoboSimian: Semi-autonomous Mobile Manipulation at the 2015 DARPA Robotics Challenge Finals. <i>Journal of Field Robotics</i> , 2017, 34, 305-332.	6.0	59
2	Castable Bulk Metallic Glass Strain Wave Gears: Towards Decreasing the Cost of High-Performance Robotics. <i>Scientific Reports</i> , 2016, 6, 37773.	3.3	54
3	Architected lattices with adaptive energy absorption. <i>Extreme Mechanics Letters</i> , 2019, 33, 100557.	4.1	52
4	Rotary Microspine Rough Surface Mobility. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016, 21, 2378-2390.	5.8	38
5	Tactile Sensing and Control of Robotic Manipulator Integrating Fiber Bragg Grating Strain-Sensor. <i>Frontiers in Neurorobotics</i> , 2019, 13, 8.	2.8	30
6	Pop-up mars rover with textile-enhanced rigid-flex PCB body. , 2017, , .		29
7	Three-Dimensionally Printed, Shaped, Engineered Material Inhomogeneous Lens Antennas for Next-Generation Spaceborne Weather Radar Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 2080-2084.	4.0	18
8	Maturing Microspine Grippers for Space Applications through Test Campaigns. , 2017, , .		10
9	Design optimization of a lightweight rocker-bogie rover for ocean worlds applications. <i>International Journal of Advanced Robotic Systems</i> , 2019, 16, 172988141988569.	2.1	10
10	ARCSnake: An Archimedes™ Screw-Propelled, Reconfigurable Serpentine Robot for Complex Environments. , 2020, , .		10
11	A robotic approach to mapping post-eruptive volcanic fissure conduits. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 320, 19-28.	2.1	9
12	Design of a Two-Wheeled Rover With Sprawl Ability and Metal Brush Traction. <i>Journal of Mechanisms and Robotics</i> , 2019, 11, .	2.2	3
13	Long reach sampling for ocean worlds. , 2017, , .		2
14	Surface mobility on ocean worlds. , 2017, , .		2
15	Neuromorphic tactile sensor array based on fiber Bragg gratings to encode object qualities. , 2019, , .		2
16	Milli-watt radioisotope power to enable small, long-term robotic "Probe" space exploration. , 2017, , .		1
17	Dynamic Characterization of a Pop-Up Folding Flat Explorer Robot (PUFFER) for Planetary Exploration. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2021, , 383-391.	0.5	1