

# Kalind C Carpenter

## List of Publications by Year in descending order

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17  
papers

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citations

1163117

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1372567

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17  
docs citations

17  
times ranked

403  
citing authors

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