

Michael P Murphy

List of Publications by Citations

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

10
papers

1,455
citations

8
h-index

10
g-index

10
ext. papers

1,628
ext. citations

6
avg, IF

4.58
L-index

#	Paper	IF	Citations
10	Gecko-inspired directional and controllable adhesion. <i>Small</i> , 2009 , 5, 170-5	11	350
9	Enhanced adhesion by gecko-inspired hierarchical fibrillar adhesives. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 849-55	9.5	277
8	Adhesion of biologically inspired vertical and angled polymer microfiber arrays. <i>Langmuir</i> , 2007 , 23, 3322-32		235
7	Adhesion and anisotropic friction enhancements of angled heterogeneous micro-fiber arrays with spherical and spatula tips. <i>Journal of Adhesion Science and Technology</i> , 2007 , 21, 1281-1296	2	170
6	Waalbot: An Agile Small-Scale Wall-Climbing Robot Utilizing Dry Elastomer Adhesives. <i>IEEE/ASME Transactions on Mechatronics</i> , 2007 , 12, 330-338	5.5	168
5	Waalbot II: Adhesion Recovery and Improved Performance of a Climbing Robot using Fibrillar Adhesives. <i>International Journal of Robotics Research</i> , 2011 , 30, 118-133	5.7	148
4	Gecko inspired micro-fibrillar adhesives for wall climbing robots on micro/nanoscale rough surfaces 2008 ,		71
3	Waalbot: An Agile Small-Scale Wall Climbing Robot Utilizing Pressure Sensitive Adhesives 2006 ,		29
2	Adhesion recovery and passive peeling in a wall climbing robot using adhesives 2010 ,		4
1	Waalbot: Agile climbing with synthetic fibrillar dry adhesives 2009 ,		3