

# Michael P Murphy

## List of Publications by Year in Descending Order

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