

# Michael R Roenbeck

## 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.

12  
papers

240  
citations

9  
h-index

12  
g-index

12  
ext. papers

291  
ext. citations

9.5  
avg, IF

2.69  
L-index

#	Paper	IF	Citations
12	Atomistic mechanisms of adhesion and shear strength in graphene oxide-polymer interfaces. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2021</b> , 156, 104578	5	0
11	Hierarchical Mechanisms of Lateral Interactions in High-Performance Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 22256-22267	9.5	9
10	Direct measure of crystalline domain size, distribution, and orientation in polyethylene fibers. <i>Polymer</i> , <b>2020</b> , 202, 122589	3.9	2
9	Structure-property relationships of aramid fibers via X-ray scattering and atomic force microscopy. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 6668-6683	4.3	13
8	The Role of Water in Mediating Interfacial Adhesion and Shear Strength in Graphene Oxide. <i>ACS Nano</i> , <b>2018</b> , 12, 6089-6099	16.7	45
7	Quantifying High-Performance Material Microstructure Using Nanomechanical Tools with Visual and Frequency Analysis. <i>Scanning</i> , <b>2018</b> , 2018, 4975317	1.6	5
6	Probing the internal structures of Kevlar® fibers and their impacts on mechanical performance. <i>Polymer</i> , <b>2017</b> , 128, 200-210	3.9	32
5	Reversible Attachment with Tailored Permeability: The Feather Vane and Bioinspired Designs. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702954	15.6	13
4	Molecular-Level Engineering of Adhesion in Carbon Nanomaterial Interfaces. <i>Nano Letters</i> , <b>2015</b> , 15, 4504-16	11.5	21
3	In situ scanning electron microscope peeling to quantify surface energy between multiwalled carbon nanotubes and graphene. <i>ACS Nano</i> , <b>2014</b> , 8, 124-38	16.7	31
2	Key factors limiting carbon nanotube yarn strength: exploring processing-structure-property relationships. <i>ACS Nano</i> , <b>2014</b> , 8, 11454-66	16.7	56
1	Inherent carbonaceous impurities on arc-discharge multiwalled carbon nanotubes and their implications for nanoscale interfaces. <i>Carbon</i> , <b>2014</b> , 80, 1-11	10.4	13