

Michael R Roenbeck

List of Publications by Citations

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