

Michael R Roenbeck

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

332
citations

932766

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h-index

1199166

12
g-index

12
all docs

12
docs citations

12
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
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.	2.3	10
2	Hierarchical Mechanisms of Lateral Interactions in High-Performance Fibers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22256-22267.	4.0	16
3	Direct measure of crystalline domain size, distribution, and orientation in polyethylene fibers. <i>Polymer</i> , 2020, 202, 122589.	1.8	7
4	Structure-property relationships of aramid fibers via X-ray scattering and atomic force microscopy. <i>Journal of Materials Science</i> , 2019, 54, 6668-6683.	1.7	19
5	Quantifying High-Performance Material Microstructure Using Nanomechanical Tools with Visual and Frequency Analysis. <i>Scanning</i> , 2018, 2018, 1-12.	0.7	6
6	The Role of Water in Mediating Interfacial Adhesion and Shear Strength in Graphene Oxide. <i>ACS Nano</i> , 2018, 12, 6089-6099.	7.3	70
7	Probing the internal structures of Kevlar® fibers and their impacts on mechanical performance. <i>Polymer</i> , 2017, 128, 200-210.	1.8	43
8	Reversible Attachment with Tailored Permeability: The Feather Vane and Bioinspired Designs. <i>Advanced Functional Materials</i> , 2017, 27, 1702954.	7.8	18
9	Molecular-Level Engineering of Adhesion in Carbon Nanomaterial Interfaces. <i>Nano Letters</i> , 2015, 15, 4504-4516.	4.5	25
10	In Situ Scanning Electron Microscope Peeling To Quantify Surface Energy between Multiwalled Carbon Nanotubes and Graphene. <i>ACS Nano</i> , 2014, 8, 124-138.	7.3	37
11	Key Factors Limiting Carbon Nanotube Yarn Strength: Exploring Processing-Structure-Property Relationships. <i>ACS Nano</i> , 2014, 8, 11454-11466.	7.3	68
12	Inherent carbonaceous impurities on arc-discharge multiwalled carbon nanotubes and their implications for nanoscale interfaces. <i>Carbon</i> , 2014, 80, 1-11.	5.4	13