

# Michael R Roenbeck

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8830803/publications.pdf>

Version: 2024-02-01

12  
papers

332  
citations

932766

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1199166

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docs citations

12  
times ranked

556  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Water in Mediating Interfacial Adhesion and Shear Strength in Graphene Oxide. ACS Nano, 2018, 12, 6089-6099.	7.3	70
2	Key Factors Limiting Carbon Nanotube Yarn Strength: Exploring Processing-Structure-Property Relationships. ACS Nano, 2014, 8, 11454-11466.	7.3	68
3	Probing the internal structures of Kevlar® fibers and their impacts on mechanical performance. Polymer, 2017, 128, 200-210.	1.8	43
4	In Situ Scanning Electron Microscope Peeling To Quantify Surface Energy between Multiwalled Carbon Nanotubes and Graphene. ACS Nano, 2014, 8, 124-138.	7.3	37
5	Molecular-Level Engineering of Adhesion in Carbon Nanomaterial Interfaces. Nano Letters, 2015, 15, 4504-4516.	4.5	25
6	Structure-property relationships of aramid fibers via X-ray scattering and atomic force microscopy. Journal of Materials Science, 2019, 54, 6668-6683.	1.7	19
7	Reversible Attachment with Tailored Permeability: The Feather Vane and Bioinspired Designs. Advanced Functional Materials, 2017, 27, 1702954.	7.8	18
8	Hierarchical Mechanisms of Lateral Interactions in High-Performance Fibers. ACS Applied Materials & Interfaces, 2020, 12, 22256-22267.	4.0	16
9	Inherent carbonaceous impurities on arc-discharge multiwalled carbon nanotubes and their implications for nanoscale interfaces. Carbon, 2014, 80, 1-11.	5.4	13
10	Atomistic mechanisms of adhesion and shear strength in graphene oxide-polymer interfaces. Journal of the Mechanics and Physics of Solids, 2021, 156, 104578.	2.3	10
11	Direct measure of crystalline domain size, distribution, and orientation in polyethylene fibers. Polymer, 2020, 202, 122589.	1.8	7
12	Quantifying High-Performance Material Microstructure Using Nanomechanical Tools with Visual and Frequency Analysis. Scanning, 2018, 2018, 1-12.	0.7	6