

David W Collinson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3487766/publications.pdf>

Version: 2024-02-01

11
papers

103
citations

1684188

5
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

87
citing authors

#	ARTICLE	IF	CITATIONS
1	Best practices and recommendations for accurate nanomechanical characterization of heterogeneous polymer systems with atomic force microscopy. <i>Progress in Polymer Science</i> , 2021, 119, 101420.	24.7	36
2	AFM-based Dynamic Scanning Indentation (DSI) Method for Fast, High-resolution Spatial Mapping of Local Viscoelastic Properties in Soft Materials. <i>Macromolecules</i> , 2018, 51, 8964-8978.	4.8	16
3	Temperature effects on the nanoindentation characterization of stiffness gradients in confined polymers. <i>Soft Matter</i> , 2019, 15, 359-370.	2.7	15
4	Deconvolution of Stress Interaction Effects from Atomic Force Spectroscopy Data across Polymer-Particle Interfaces. <i>Macromolecules</i> , 2019, 52, 8940-8955.	4.8	15
5	Direct evidence of interfacial crystallization preventing weld formation during fused filament fabrication of poly(ether ether ketone). <i>Additive Manufacturing</i> , 2022, 51, 102604.	3.0	6
6	Distribution of rubber particles in the weld zone of fused filament fabricated acrylonitrile butadiene styrene and the impact on weld strength. <i>Additive Manufacturing</i> , 2021, 41, 101964.	3.0	5
7	Open-source micro-tensile testers via additive manufacturing for the mechanical characterization of thin films and papers. <i>PLoS ONE</i> , 2018, 13, e0197999.	2.5	3
8	Tapered Polymer Whiskers to Enable Three-Dimensional Tactile Feature Extraction. <i>Soft Robotics</i> , 2021, 8, 44-58.	8.0	3
9	Vanishing Cantilever Calibration Error with Magic Ratio Atomic Force Microscopy. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000090.	2.8	2
10	Insights into the Mechanical Properties of Ultrathin Perfluoropolyether-Silane Coatings. <i>Langmuir</i> , 2022, 38, 6435-6442.	3.5	1
11	Gas cluster etching for the universal preparation of polymer composites for nano chemical and mechanical analysis with AFM. <i>Applied Surface Science</i> , 2022, 599, 153954.	6.1	1