

David W Collinson

List of Publications by Year in descending order

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papers

103
citations

1684188

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1372567

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11
all docs

11
docs citations

11
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87
citing authors

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