

Edward B Trigg

List of Publications by Year in descending order

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942
citing authors

#	ARTICLE	IF	CITATIONS
1	Printability and performance of 3D conductive graphite structures. Additive Manufacturing, 2021, 37, 101618.	3.0	18
2	Revealing filler morphology in 3D-printed thermoset nanocomposites by scanning microbeam X-ray scattering. Additive Manufacturing, 2021, 37, 101729.	3.0	10
3	Side-bounce beamlines using single-reflection diamond monochromators at Cornell High Energy Synchrotron Source. Journal of Synchrotron Radiation, 2021, 28, 429-438.	2.4	2
4	Dynamics of Polymerization and Gelation in Epoxy Nanocomposites via X-ray Photon Correlation Spectroscopy. Macromolecules, 2021, 54, 6575-6584.	4.8	7
5	Metal organic frameworks modification of carbon fiber composite interface. Composites Part B: Engineering, 2021, 224, 109197.	12.0	21
6	Nanoscale layers in polymers to promote ion transport. Molecular Systems Design and Engineering, 2019, 4, 252-262.	3.4	16
7	Deformation-induced morphology evolution of precise polyethylene ionomers. Polymer, 2018, 144, 184-191.	3.8	17
8	Precision Sulfonic Acid Polyolefins via Heterogenous to Homogenous Deprotection. Macromolecular Chemistry and Physics, 2018, 219, 1700634.	2.2	16
9	Comparing Morphological Evolution during Tensile Deformation of Two Precise Polyethylenes via 2D Fitting of <i>In Situ</i> X-ray Scattering. Macromolecules, 2018, 51, 7942-7950.	4.8	9
10	Self-assembled highly ordered acid layers in precisely sulfonated polyethylene produce efficient proton transport. Nature Materials, 2018, 17, 725-731.	27.5	187
11	Chain Folding Produces a Multilayered Morphology in a Precise Polymer: Simulations and Experiments. Journal of the American Chemical Society, 2017, 139, 3747-3755.	13.7	53
12	High Morphological Order in a Nearly Precise Acid-Containing Polymer and Ionomer. ACS Macro Letters, 2017, 6, 947-951.	4.8	20
13	Transverse Orientation of Acid Layers in the Crystallites of a Precise Polymer. Macromolecules, 2017, 50, 8988-8995.	4.8	17
14	Development of Diffraction Scanning Techniques for Beam Sensitive Polymers.. Microscopy and Microanalysis, 2016, 22, 492-493.	0.4	2
15	High Melting Precision Sulfone Polyethylenes Synthesized by ADMET Chemistry. Macromolecular Chemistry and Physics, 2016, 217, 2351-2359.	2.2	28
16	Role of Periodicity and Acid Chemistry on the Morphological Evolution and Strength in Precise Polyethylenes. Macromolecules, 2016, 49, 8209-8218.	4.8	27
17	Precise Sulfite Functionalization of Polyolefins via ADMET Polymerization. ACS Macro Letters, 2015, 4, 624-627.	4.8	22
18	Synthesis and X-ray Characterization of Cobalt Phosphide (Co ₂ P) Nanorods for the Oxygen Reduction Reaction. ACS Nano, 2015, 9, 8108-8115.	14.6	132