

# Edward B Trigg

## List of Publications by Year in descending order

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papers

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942  
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#	ARTICLE	IF	CITATIONS
1	Self-assembled highly ordered acid layers in precisely sulfonated polyethylene produce efficient proton transport. <i>Nature Materials</i> , 2018, 17, 725-731.	27.5	187
2	Synthesis and X-ray Characterization of Cobalt Phosphide (Co <sub>2</sub> P) Nanorods for the Oxygen Reduction Reaction. <i>ACS Nano</i> , 2015, 9, 8108-8115.	14.6	132
3	Chain Folding Produces a Multilayered Morphology in a Precise Polymer: Simulations and Experiments. <i>Journal of the American Chemical Society</i> , 2017, 139, 3747-3755.	13.7	53
4	High Melting Precision Sulfone Polyethylenes Synthesized by ADMET Chemistry. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2351-2359.	2.2	28
5	Role of Periodicity and Acid Chemistry on the Morphological Evolution and Strength in Precise Polyethylenes. <i>Macromolecules</i> , 2016, 49, 8209-8218.	4.8	27
6	Precise Sulfite Functionalization of Polyolefins via ADMET Polymerization. <i>ACS Macro Letters</i> , 2015, 4, 624-627.	4.8	22
7	Metal organic frameworks modification of carbon fiber composite interface. <i>Composites Part B: Engineering</i> , 2021, 224, 109197.	12.0	21
8	High Morphological Order in a Nearly Precise Acid-Containing Polymer and Ionomer. <i>ACS Macro Letters</i> , 2017, 6, 947-951.	4.8	20
9	Printability and performance of 3D conductive graphite structures. <i>Additive Manufacturing</i> , 2021, 37, 101618.	3.0	18
10	Transverse Orientation of Acid Layers in the Crystallites of a Precise Polymer. <i>Macromolecules</i> , 2017, 50, 8988-8995.	4.8	17
11	Deformation-induced morphology evolution of precise polyethylene ionomers. <i>Polymer</i> , 2018, 144, 184-191.	3.8	17
12	Precision Sulfonic Acid Polyolefins via Heterogenous to Homogenous Deprotection. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700634.	2.2	16
13	Nanoscale layers in polymers to promote ion transport. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 252-262.	3.4	16
14	Revealing filler morphology in 3D-printed thermoset nanocomposites by scanning microbeam X-ray scattering. <i>Additive Manufacturing</i> , 2021, 37, 101729.	3.0	10
15	Comparing Morphological Evolution during Tensile Deformation of Two Precise Polyethylenes via 2D Fitting of <i>in Situ</i> X-ray Scattering. <i>Macromolecules</i> , 2018, 51, 7942-7950.	4.8	9
16	Dynamics of Polymerization and Gelation in Epoxy Nanocomposites <i>via</i> X-ray Photon Correlation Spectroscopy. <i>Macromolecules</i> , 2021, 54, 6575-6584.	4.8	7
17	Development of Diffraction Scanning Techniques for Beam Sensitive Polymers.. <i>Microscopy and Microanalysis</i> , 2016, 22, 492-493.	0.4	2
18	Side-bounce beamlines using single-reflection diamond monochromators at Cornell High Energy Synchrotron Source. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 429-438.	2.4	2