

Xiao Cao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tough and Multi-Recyclable Cross-Linked Supramolecular Polyureas via Incorporating Noncovalent Bonds into Main-Chains. <i>Advanced Materials</i> , 2020, 32, e2000096.	21.0	174
2	Inorganic-Macroion-Induced Formation of Bicontinuous Block Copolymer Nanocomposites with Enhanced Conductivity and Modulus. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9013-9017.	13.8	89
3	Synthesis of a Macroporous Conjugated Polymer Framework: Iron Doping for Highly Stable, Highly Efficient Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3087-3097.	8.0	52
4	Linear Viscoelastic and Dielectric Properties of Strongly Hydrogen-Bonded Polymers near the Sol-Gel Transition. <i>Macromolecules</i> , 2016, 49, 9192-9202.	4.8	41
5	Molecular Design of Highly Stretchable Ionomers. <i>Macromolecules</i> , 2018, 51, 4735-4746.	4.8	38
6	Multiscale Self-Assembly of Mobile-Ligand Molecular Nanoparticles for Hierarchical Nanocomposites. <i>ACS Nano</i> , 2019, 13, 7135-7145.	14.6	37
7	Morphological Evolution of Ionomer/Plasticizer Mixtures during a Transition from Ionomer to Polyelectrolyte. <i>Macromolecules</i> , 2017, 50, 963-971.	4.8	25
8	The role of electrostatic repulsion in the gelation of poly(vinyl alcohol)/borax aqueous solutions. <i>Soft Matter</i> , 2018, 14, 6767-6773.	2.7	19
9	Reversible Gelation of Entangled Ionomers. <i>Macromolecules</i> , 2019, 52, 8771-8780.	4.8	19
10	Inorganic-Macroion-Induced Formation of Bicontinuous Block Copolymer Nanocomposites with Enhanced Conductivity and Modulus. <i>Angewandte Chemie</i> , 2017, 129, 9141-9145.	2.0	18
11	Ultrasml Nanoparticles Diluted Chain Entanglement in Polymer Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 797-805.	3.8	17
12	Brittle-to-Ductile Transition of Sulfonated Polystyrene Ionomers. <i>ACS Macro Letters</i> , 2021, 10, 503-509.	4.8	16
13	Horizontal extensional rheometry (HER) for low viscosity polymer melts. <i>Journal of Rheology</i> , 2020, 64, 177-190.	2.6	10
14	Rheological properties of sulfonated polystyrene ionomers at high-ion contents. <i>Rheologica Acta</i> , 2021, 60, 241-249.	2.4	10
15	Thermorheological complexity of poly(vinyl alcohol)/borax aqueous solutions. <i>Journal of Rheology</i> , 2020, 64, 991-1002.	2.6	6
16	Dynamic metallopolymer networks: a protocol to quantify Pt(II)-Pt(II) and π - π stacking interactions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15422-15427.	5.5	4