

Renxuan Xie

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

786
citations

623188

14
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Nanotube Composites with Bottlebrush Elastomers for Compliant Electrodes. ACS Polymers Au, 2022, 2, 27-34.	1.7	6
2	Predicting the Plateau Modulus from Molecular Parameters of Conjugated Polymers. ACS Central Science, 2022, 8, 268-274.	5.3	17
3	Yielding Behavior of Bottlebrush and Linear Block Copolymers. Macromolecules, 2021, 54, 5636-5647.	2.2	7
4	Molecular Weight Characterization of Conjugated Polymers Through Gel Permeation Chromatography and Static Light Scattering. ACS Applied Polymer Materials, 2021, 3, 4572-4578.	2.0	11
5	Super-soft solvent-free bottlebrush elastomers for touch sensing. Materials Horizons, 2020, 7, 181-187.	6.4	63
6	Role of Chain Polarity on Ion and Polymer Dynamics: Molecular Volume-Based Analysis of the Dielectric Constant for Polymerized Norbornene-Based Ionic Liquids. Macromolecules, 2020, 53, 10561-10573.	2.2	18
7	Room temperature 3D printing of super-soft and solvent-free elastomers. Science Advances, 2020, 6, .	4.7	81
8	Model for the electro-mechanical behavior of elastic organic transistors. Journal of Materials Chemistry C, 2020, 8, 9276-9285.	2.7	8
9	Dynamic Bottlebrush Polymer Networks: Self-Healing in Super-Soft Materials. Journal of the American Chemical Society, 2020, 142, 7567-7573.	6.6	108
10	Glass transition temperature from the chemical structure of conjugated polymers. Nature Communications, 2020, 11, 893.	5.8	130
11	Universal Approach to Photo-Crosslink Bottlebrush Polymers. Macromolecules, 2020, 53, 1090-1097.	2.2	34
12	Characterization of chain alignment at buried interfaces using Mueller matrix spectroscopy. MRS Communications, 2020, 10, 292-297.	0.8	0
13	Thermal Fluctuations Lead to Cumulative Disorder and Enhance Charge Transport in Conjugated Polymers. Macromolecular Rapid Communications, 2019, 40, e1900134.	2.0	8
14	Ion Conducting ROMP Monomers Based on (Oxa)norbornenes with Pendant Imidazolium Salts Connected via Oligo(oxyethylene) Units and with Oligo(ethyleneoxy) Terminal Moieties. Macromolecules, 2019, 52, 1371-1388.	2.2	6
15	Studies of Ion Conductance in Polymers Derived from Norbornene Imidazolium Salts Containing Ethyleneoxy Moieties. Macromolecules, 2019, 52, 1389-1399.	2.2	5
16	Predicting strength of additively manufactured thermoplastic polymer parts produced using material extrusion. Rapid Prototyping Journal, 2018, 24, 321-332.	1.6	49
17	Connecting the Mechanical and Conductive Properties of Conjugated Polymers. Advanced Electronic Materials, 2018, 4, 1700356.	2.6	41
18	Fluoropolymer-diluted small molecule organic semiconductors with extreme thermal stability. Applied Physics Letters, 2018, 113, .	1.5	13

#	ARTICLE	IF	CITATIONS
19	Local Chain Alignment via Nematic Ordering Reduces Chain Entanglement in Conjugated Polymers. <i>Macromolecules</i> , 2018, 51, 10271-10284.	2.2	24
20	Random Copolymers Allow Control of Crystallization and Microphase Separation in Fully Conjugated Block Copolymers. <i>Macromolecules</i> , 2018, 51, 8844-8852.	2.2	15
21	Side chain length affects backbone dynamics in poly(3-alkylthiophene)s. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1193-1202.	2.4	31
22	Glass Transition Temperature of Conjugated Polymers by Oscillatory Shear Rheometry. <i>Macromolecules</i> , 2017, 50, 5146-5154.	2.2	78
23	Close-Packed Spherical Morphology in an ABA Triblock Copolymer Aligned with Large-Amplitude Oscillatory Shear. <i>Macromolecules</i> , 2016, 49, 4875-4888.	2.2	7
24	A critical gel fluid with high extensibility: The rheology of chewing gum. <i>Journal of Rheology</i> , 2014, 58, 821-838.	1.3	26