

Shaochuan Luo

List of Publications by Year in descending order

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26
papers

2,138
citations

535685

17
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651938

25
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27
all docs

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docs citations

27
times ranked

3512
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning Conjugated Polymer Chain Packing for Stretchable Semiconductors. <i>Advanced Materials</i> , 2022, 34, e2104747.	11.1	47
2	Layered double hydroxide-derived Fe-doped NiSe cathode toward stable and high-energy aluminum storage. <i>Materials Today Energy</i> , 2022, 24, 100940.	2.5	4
3	Observation of Stepwise Ultrafast Crystallization Kinetics of Donor-Acceptor Conjugated Polymers and Correlation with Field Effect Mobility. <i>Chemistry of Materials</i> , 2021, 33, 1637-1647.	3.2	17
4	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). <i>Journal of Materials Research</i> , 2021, 36, 191-202.	1.2	8
5	Metal-Ligand Based Mechanophores Enhance Both Mechanical Robustness and Electronic Performance of Polymer Semiconductors. <i>Advanced Functional Materials</i> , 2021, 31, 2009201.	7.8	30
6	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). <i>Journal of Materials Research</i> , 2021, 36, 1-12.	1.2	2
7	Two-Dimensional Covalent Organic Frameworks with Enhanced Aluminum Storage Properties. <i>ChemSusChem</i> , 2020, 13, 3447-3454.	3.6	44
8	F4TCNQ as an Additive to Impart Stretchable Semiconductors with High Mobility and Stability. <i>Advanced Electronic Materials</i> , 2020, 6, 2000251.	2.6	54
9	Tacky Elastomers to Enable Tear-Resistant and Autonomous Self-Healing Semiconductor Composites. <i>Advanced Functional Materials</i> , 2020, 30, 2000663.	7.8	85
10	A Chitosan/Poly(ethylene oxide)-Based Hybrid Polymer Composite Electrolyte Suitable for Solid-State Lithium Metal Batteries. <i>ChemistrySelect</i> , 2020, 5, 2878-2885.	0.7	13
11	Toward the Prediction and Control of Glass Transition Temperature for Donor-Acceptor Polymers. <i>Advanced Functional Materials</i> , 2020, 30, 2002221.	7.8	46
12	Multimorphous Phases in Diketopyrrolopyrrole-Based Conjugated Polymers: From Bulk to Ultrathin Films. <i>Macromolecules</i> , 2020, 53, 4480-4489.	2.2	18
13	Conjugated Carbon Cyclic Nanorings as Additives for Intrinsically Stretchable Semiconducting Polymers. <i>Advanced Materials</i> , 2019, 31, e1903912.	11.1	99
14	A high performance SnO ₂ /C nanocomposite cathode for aluminum-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7213-7220.	5.2	73
15	The Critical Role of Electron-Donating Thiophene Groups on the Mechanical and Thermal Properties of Donor-Acceptor Semiconducting Polymers. <i>Advanced Electronic Materials</i> , 2019, 5, 1800899.	2.6	89
16	Characterization of Hydrogen Bonding Formation and Breaking in Semiconducting Polymers under Mechanical Strain. <i>Macromolecules</i> , 2019, 52, 2476-2486.	2.2	54
17	Multi-scale ordering in highly stretchable polymer semiconducting films. <i>Nature Materials</i> , 2019, 18, 594-601.	13.3	251
18	Dependences of Confining Size and Interfacial Curvature on the Glass Transition of Polydimethylsiloxane in Self-Assembled Block Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700518.	1.1	1

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19	Probing the Viscoelastic Property of Pseudo Free-Standing Conjugated Polymeric Thin Films. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800092.	2.0	79
20	Interplay between Free Surface and Solid Interface Nucleation on Two-Step Crystallization of Poly(ethylene terephthalate) Thin Films Studied by Fast Scanning Calorimetry. <i>Macromolecules</i> , 2018, 51, 5209-5218.	2.2	26
21	Highly stretchable polymer semiconductor films through the nanoconfinement effect. <i>Science</i> , 2017, 355, 59-64.	6.0	897
22	Phase separation dynamics of a poly(vinyl methyl ether)/polystyrene (<scp>PVME/PS</scp>) blend studied by ultrafast differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1357-1364.	2.4	8
23	Synthesis of Site-Specific Dye-Labeled Polymer via Atom Transfer Radical Polymerization (ATRP) for Quantitative Characterization of the Well-Defined Interchain Distance. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600568.	2.0	8
24	Effect of geometric curvature on vitrification behavior for polymer nanotubes confined in anodic aluminum oxide templates. <i>Physical Review E</i> , 2015, 92, 032306.	0.8	31
25	Sensitive Characterization of the Influence of Substrate Interfaces on Supported Thin Films. <i>Macromolecules</i> , 2014, 47, 6365-6372.	2.2	42
26	Double Glass Transition Temperatures of Poly(methyl methacrylate) Confined in Alumina Nanotube Templates. <i>Macromolecules</i> , 2014, 47, 297-303.	2.2	112