

Bingrui Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4777143/publications.pdf>

Version: 2024-02-01

18
papers

808
citations

567281

15
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1215
citing authors

#	ARTICLE	IF	CITATIONS
1	Unravelling the Mechanism of Viscoelasticity in Polymers with Phase-Separated Dynamic Bonds. ACS Nano, 2022, 16, 4746-4755.	14.6	23
2	Closed-loop additive manufacturing of upcycled commodity plastic through dynamic cross-linking. Science Advances, 2022, 8, .	10.3	33
3	Autonomous Self-Healing Elastomers with Unprecedented Adhesion Force. Advanced Functional Materials, 2021, 31, 2006298.	14.9	64
4	Critical Role of the Interfacial Layer in Associating Polymers with Microphase Separation. Macromolecules, 2021, 54, 4246-4256.	4.8	22
5	Self-Healing Elastomers: Autonomous Self-Healing Elastomers with Unprecedented Adhesion Force (Adv. Funct. Mater. 4/2021). Advanced Functional Materials, 2021, 31, 2170025.	14.9	4
6	Rational Polymer Design of Stretchable Poly(ionic liquid) Membranes for Dual Applications. Macromolecules, 2021, 54, 896-905.	4.8	19
7	Elastic Single-Ion Conducting Polymer Electrolytes: Toward a Versatile Approach for Intrinsically Stretchable Functional Polymers. Macromolecules, 2020, 53, 3591-3601.	4.8	41
8	Tailored CO ₂ -philic Gas Separation Membranes via One-Pot Thiol-ene Chemistry. Macromolecules, 2019, 52, 5819-5828.	4.8	20
9	Structural correlations tailor conductive properties in polymerized ionic liquids. Physical Chemistry Chemical Physics, 2019, 21, 14775-14785.	2.8	9
10	Tailored crosslinking of Poly(ethylene oxide) enables mechanical robustness and improved sodium-ion conductivity. Energy Storage Materials, 2019, 21, 85-96.	18.0	43
11	Rational Design of a Multifunctional Binder for High-Capacity Silicon-Based Anodes. ACS Energy Letters, 2019, 4, 1171-1180.	17.4	108
12	Superstretchable, Self-Healing Polymeric Elastomers with Tunable Properties. Advanced Functional Materials, 2018, 28, 1800741.	14.9	162
13	Effect of Binder Architecture on the Performance of Silicon/Graphite Composite Anodes for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 3470-3478.	8.0	77
14	Superfast and Reversible Thermoresponse of Poly(<i>N</i> -isopropylacrylamide) Hydrogels Grafted on Macroporous Poly(vinyl alcohol) Formaldehyde Sponges. ACS Applied Materials & Interfaces, 2018, 10, 32747-32759.	8.0	17
15	Secondary-Structure-Mediated Hierarchy and Mechanics in Polyurea-Peptide Hybrids. Biomacromolecules, 2018, 19, 3445-3455.	5.4	7
16	Robust and Elastic Polymer Membranes with Tunable Properties for Gas Separation. ACS Applied Materials & Interfaces, 2017, 9, 26483-26491.	8.0	32
17	A star-shaped single lithium-ion conducting copolymer by grafting a POSS nanoparticle. Polymer, 2017, 124, 117-127.	3.8	45
18	Influence of Chain Rigidity and Dielectric Constant on the Glass Transition Temperature in Polymerized Ionic Liquids. Journal of Physical Chemistry B, 2017, 121, 11511-11519.	2.6	82