

# Bingrui Li

## List of Publications by Year in descending order

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18  
papers

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citations

567281

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839539

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docs citations

18  
times ranked

1215  
citing authors

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