

# Interpenetrated Gel Polymer Binder for High-Performance Batteries

Advanced Functional Materials

24, 5904-5910

DOI: [10.1002/adfm.201401269](https://doi.org/10.1002/adfm.201401269)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Improvement of desolvation and resilience of alginate binders for Si-based anodes in a lithium ion battery by calcium-mediated cross-linking. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25628-25635.	1.3	106
2	Rigid bolaform surfactant templated mesoporous silicon nanofibers as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19855-19860.	5.2	18
3	Chemically Bonded Phosphorus/Graphene Hybrid as a High Performance Anode for Sodium-Ion Batteries. <i>Nano Letters</i> , 2014, 14, 6329-6335.	4.5	434
4	Toward Practical Application of Functional Conductive Polymer Binder for a High-Energy Lithium-Ion Battery Design. <i>Nano Letters</i> , 2014, 14, 6704-6710.	4.5	172
5	A Si@MnOOH composite with superior lithium storage properties. <i>Chemical Communications</i> , 2015, 51, 6164-6167.	2.2	12
6	Hydrogen titanate constructed by ultrafine nanobelts as advanced anode materials with high-rate and ultra-long life for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 104275-104283.	1.7	4
7	Improvement of the characteristics of poly(acrylonitrile-butylacrylate) water-dispersed binder for lithium-ion batteries by the addition of acrylic acid and polystyrene seed. <i>Journal of Electroanalytical Chemistry</i> , 2015, 739, 111-114.	1.9	23
8	High-Areal Capacity Silicon Electrodes with Low-Cost Silicon Particles Based on Spatial Control of Self-Healing Binder. <i>Advanced Energy Materials</i> , 2015, 5, 1401826.	10.2	207
9	Low cost and environmentally benign crack-blocking structures for long life and high power Si electrodes in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2036-2042.	5.2	53
10	Side-Chain Conducting and Phase-Separated Polymeric Binders for High-Performance Silicon Anodes in Lithium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2015, 137, 2565-2571.	6.6	203
11	Critical roles of binders and formulation at multiscales of silicon-based composite electrodes. <i>Journal of Power Sources</i> , 2015, 280, 533-549.	4.0	201
12	Millipede-inspired structural design principle for high performance polysaccharide binders in silicon anodes. <i>Energy and Environmental Science</i> , 2015, 8, 1224-1230.	15.6	222
13	High Capacity and High Density Functional Conductive Polymer and SiO Anode for High-Energy Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 862-866.	4.0	72
14	Robust polymeric coating enables the stable operation of silicon micro-plate anodes recovered from photovoltaic industry waste for high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15432-15443.	5.2	36
15	Fabrication and properties of polybutadiene rubber-interpenetrating cross-linking poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 52978-52984.	1.7	25
16	SiO <sub>2</sub> @NiO core-shell nanocomposites as high performance anode materials for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 63012-63016.	1.7	20
17	Three-Dimensional Conductive Gel Network as an Effective Binder for High-Performance Si Electrodes in Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15961-15967.	4.0	74
18	Investigation of surface effects through the application of the functional binders in lithium sulfur batteries. <i>Nano Energy</i> , 2015, 16, 28-37.	8.2	112

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20	Flexible fluorine containing ionic binders to mitigate the negative impact caused by the drastic volume fluctuation from silicon nano-particles in high capacity anodes of lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 10928-10934.	5.2	32
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58	The Effects of Cross-Linking in a Supramolecular Binder on Cycle Life in Silicon Microparticle Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2318-2324.	4.0	90
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125	Highly Stretchable Conductive Glue for High-Performance Silicon Anodes in Advanced Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1704858.	7.8	113
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