

# You Kyeong Jeong

## List of Publications by Year in descending order

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15  
papers

2,287  
citations

623734

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h-index

996975

15  
g-index

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all docs

15  
docs citations

15  
times ranked

2634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene coating on silicon anodes enabled by thermal surface modification for high-energy lithium-ion batteries. MRS Bulletin, 2022, 47, 127-133.	3.5	13
2	Free-standing ultrathin lithium metal-graphene oxide host foils with controllable thickness for lithium batteries. Nature Energy, 2021, 6, 790-798.	39.5	198
3	Microclusters of Kinked Silicon Nanowires Synthesized by a Recyclable Iodide Process for High-Performance Lithium-Ion Battery Anodes. Advanced Energy Materials, 2020, 10, 2002108.	19.5	57
4	Scalable synthesis of nanoporous silicon microparticles for highly cyclable lithium-ion batteries. Nano Research, 2020, 13, 1558-1563.	10.4	65
5	Mussel-Inspired Self-Healing Metallopolymers for Silicon Nanoparticle Anodes. ACS Nano, 2019, 13, 8364-8373.	14.6	101
6	Mussel-Inspired Coating and Adhesion for Rechargeable Batteries: A Review. ACS Applied Materials & Interfaces, 2018, 10, 7562-7573.	8.0	84
7	A "Sticky"-Mucin-Inspired DNA-Polysaccharide Binder for Silicon and Silicon-Graphite Blended Anodes in Lithium-Ion Batteries. Advanced Materials, 2018, 30, e1707594.	21.0	96
8	Mussel-Inspired Polydopamine Coating for Enhanced Thermal Stability and Rate Performance of Graphite Anodes in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 13973-13981.	8.0	43
9	Deep eutectic solvents as attractive media for CO <sub>2</sub> capture. Green Chemistry, 2016, 18, 2834-2842.	9.0	209
10	Millipede-inspired structural design principle for high performance polysaccharide binders in silicon anodes. Energy and Environmental Science, 2015, 8, 1224-1230.	30.8	222
11	Dynamic Cross-Linking of Polymeric Binders Based on Host-Guest Interactions for Silicon Anodes in Lithium Ion Batteries. ACS Nano, 2015, 9, 11317-11324.	14.6	167
12	Systematic Molecular-Level Design of Binders Incorporating Meldrum's Acid for Silicon Anodes in Lithium Rechargeable Batteries. Advanced Materials, 2014, 26, 7979-7985.	21.0	155
13	Hyperbranched $\beta$ -Cyclodextrin Polymer as an Effective Multidimensional Binder for Silicon Anodes in Lithium Rechargeable Batteries. Nano Letters, 2014, 14, 864-870.	9.1	277
14	Mussel-Inspired Adhesive Binders for High-Performance Silicon Nanoparticle Anodes in Lithium-Ion Batteries. Advanced Materials, 2013, 25, 1571-1576.	21.0	532
15	Effects of lithium salts on thermal stabilities of lithium alkyl carbonates in SEI layer. Electrochimica Acta, 2012, 83, 259-263.	5.2	68