

# Tae-woo Kwon

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

2,474  
citations

840776  
11  
h-index

1199594  
12  
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12  
all docs

12  
docs citations

12  
times ranked

3155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemical Enhancement of the Structural Stability of Pseudorotaxane Intermediates in the Synthesis of Rotaxanes. <i>Journal of the American Chemical Society</i> , 2022, 144, 12595-12601.	13.7	9
2	A Pyrene- <i>Poly(acrylic acid)</i> -Polyrotaxane Supramolecular Binder Network for High-Performance Silicon Negative Electrodes. <i>Advanced Materials</i> , 2019, 31, e1905048.	21.0	77
3	Highly Elastic Polyrotaxane Binders for Mechanically Stable Lithium Hosts in Lithium-Metal Batteries. <i>Advanced Materials</i> , 2019, 31, e1901645.	21.0	68
4	Prospect for Supramolecular Chemistry in High-Energy-Density Rechargeable Batteries. <i>Joule</i> , 2019, 3, 662-682.	24.0	66
5	The emerging era of supramolecular polymeric binders in silicon anodes. <i>Chemical Society Reviews</i> , 2018, 47, 2145-2164.	38.1	341
6	Energy Band-Gap Engineering of Conjugated Microporous Polymers via Acidity-Dependent in Situ Cyclization. <i>Journal of the American Chemical Society</i> , 2018, 140, 10937-10940.	13.7	57
7	Highly elastic binders integrating polyrotaxanes for silicon microparticle anodes in lithium ion batteries. <i>Science</i> , 2017, 357, 279-283.	12.6	943
8	Chemical Blowing Approach for Ultramicroporous Carbon Nitride Frameworks and Their Applications in Gas and Energy Storage. <i>Advanced Functional Materials</i> , 2017, 27, 1604658.	14.9	92
9	Millipede-inspired structural design principle for high performance polysaccharide binders in silicon anodes. <i>Energy and Environmental Science</i> , 2015, 8, 1224-1230.	30.8	222
10	Dynamic Cross-Linking of Polymeric Binders Based on Host-Guest Interactions for Silicon Anodes in Lithium Ion Batteries. <i>ACS Nano</i> , 2015, 9, 11317-11324.	14.6	167
11	Systematic Molecular-Level Design of Binders Incorporating Meldrum's Acid for Silicon Anodes in Lithium Rechargeable Batteries. <i>Advanced Materials</i> , 2014, 26, 7979-7985.	21.0	155
12	Hyperbranched $\beta$ -Cyclodextrin Polymer as an Effective Multidimensional Binder for Silicon Anodes in Lithium Rechargeable Batteries. <i>Nano Letters</i> , 2014, 14, 864-870.	9.1	277