

Seung Joon Yoo

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

869
citations

933447

10
h-index

1058476

14
g-index

15
all docs

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docs citations

15
times ranked

1304
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-rich hierarchically porous carbon as a high-rate anode material with ultra-stable cyclability and high capacity for capacitive sodium-ion batteries. <i>Nano Energy</i> , 2019, 56, 828-839.	16.0	237
2	Redox-Enhanced Electrochemical Capacitors: Status, Opportunity, and Best Practices for Performance Evaluation. <i>ACS Energy Letters</i> , 2017, 2, 2581-2590.	17.4	164
3	Fundamentally Addressing Bromine Storage through Reversible Solid-State Confinement in Porous Carbon Electrodes: Design of a High-Performance Dual-Redox Electrochemical Capacitor. <i>Journal of the American Chemical Society</i> , 2017, 139, 9985-9993.	13.7	115
4	Efficient Charge Storage in Dual-Redox Electrochemical Capacitors through Reversible Counterion-Induced Solid Complexation. <i>Journal of the American Chemical Society</i> , 2016, 138, 9373-9376.	13.7	83
5	Stackable bipolar pouch cells with corrosion-resistant current collectors enable high-power aqueous electrochemical energy storage. <i>Energy and Environmental Science</i> , 2018, 11, 2865-2875.	30.8	58
6	Polymeric Ionic Liquid and Carbon Black Composite as a Reusable Supporting Electrolyte: Modification of the Electrode Surface. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3744-3747.	13.8	56
7	Electrochemically Induced Ring-Opening/Friedel-Crafts Arylation of Chalcone Epoxides Catalyzed by a Triarylimidazole Redox Mediator. <i>Journal of Organic Chemistry</i> , 2015, 80, 781-789.	3.2	41
8	A comparative study of organic electron transfer redox mediators: electron transfer kinetics for triarylimidazole and triarylamine mediators in the oxidation of 4-methoxybenzyl alcohol. <i>Electrochimica Acta</i> , 2014, 142, 254-260.	5.2	34
9	Large-scale synthesis of nitrogen-rich hierarchically porous carbon as anode for lithium-ion batteries with high capacity and rate capability. <i>Electrochimica Acta</i> , 2019, 306, 339-349.	5.2	26
10	What Structural Features Make Porous Carbons Work for Redox-Enhanced Electrochemical Capacitors? A Fundamental Investigation. <i>ACS Energy Letters</i> , 2021, 6, 854-861.	17.4	25
11	Electrochemical analysis of the triarylimidazole-type organic redox catalysts: Chemical stability and homogeneous electron transfer kinetics for the oxidation of 4-methoxybenzyl alcohol. <i>Electrochimica Acta</i> , 2016, 199, 357-365.	5.2	10
12	Applicability of a Polymerized Ionic Liquid/Carbon Nanoparticle Composite Electrolyte to Reductive Cyclization and Dimerization Reactions. <i>Electrochimica Acta</i> , 2016, 196, 735-740.	5.2	9
13	Understanding the Operating Mechanism of Aqueous Pentyl Viologen/Bromide Redox-Enhanced Electrochemical Capacitors with Ordered Mesoporous Carbon Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20349-20357.	8.0	7
14	Li ⁺ /I ⁻ Redox Enhanced Sodium Metal Batteries by Using Graphene Oxide Encapsulated Mesoporous Carbon Sphere Cathode. <i>Advanced Functional Materials</i> , 2021, 31, 2101637.	14.9	4