Seung Joon Yoo

List of Publications by Year
in descending order

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14	869	933447 10	1058476 14
papers	citations	h-index	g-index

15	15	15	1304
all docs	docs citations	times ranked	citing authors

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