

Hyeon-Woo Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An In-depth analysis of the electrochemical processing parameters for monolithic solid electrolyte interphase (SEI) formation at Ti-SiO ₂ /C anode for high performance Lithium-ion batteries. Chemical Engineering Journal, 2022, 432, 134282.	12.7	3
2	Electrodeposited MnS@Ni(OH) ₂ core-shell hybrids as an efficient electrode materials for symmetric supercapacitor applications. Electrochimica Acta, 2022, 412, 140138.	5.2	28
3	A significant enhancement of cycling stability at fast charging rate through incorporation of Li ₃ N into LiF-based SEI in SiO ₂ anode for Li-ion batteries. Electrochimica Acta, 2022, 412, 140107.	5.2	17
4	A Flower-like In ₂ O ₃ Catalyst Derived via Metal-Organic Frameworks for Photocatalytic Applications. International Journal of Molecular Sciences, 2022, 23, 4398.	4.1	9
5	Shielding Analysis of Metal Hydride-based Materials for Both Neutron and Gamma Rays Using Monte Carlo Simulation. Journal of Korean Institute of Metals and Materials, 2021, 59, 921-925.	1.0	0
6	Improvement of Reversibility and Cyclic Stability: A Monolithic Solid Electrolyte Interphase in SiO ₂ -Based Anode for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2020, 124, 2333-2339.	3.1	10
7	Improved High Rate and Temperature Stability Using an Anisotropically Aligned Pillar-Type Solid Electrolyte Interphase for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 42781-42789.	8.0	9
8	A facile synthesis of vanadium-doped SiO _x composites for high-performance Li-ion battery anodes. Journal of Alloys and Compounds, 2020, 842, 155900.	5.5	12
9	Optimal Condition of Solid-Electrolyte-Interphase Prepared by Controlled Prelithiation for High Performance Li-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A787-A792.	2.9	13
10	Formation of physically durable and performance sensitive solid-electrolyte interphase of SiO _x anode for lithium-ion battery. Materials Research Letters, 2019, 7, 89-96.	8.7	11
11	An Approach for Highly Improved Cyclic Performance of SiO _x Active for Lithium Ion Battery; Design of Physically Durable and Performance Sensitive SEI. ECS Meeting Abstracts, 2019, , .	0.0	0
12	Exceptional Effect of Benzene in Uniform Carbon Coating of SiO _x /Nanocomposite for High-Performance Li-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A1247-A1253.	2.9	10
13	Highly enhancement of the SiO ₂ nanocomposite through Ti-doping and carbon-coating for high-performance Li-ion battery. Journal of Power Sources, 2018, 400, 613-620.	7.8	51
14	Fabrication of a Nondegradable Si@SiO ₂ /n-Carbon Crystallite Composite Anode for Lithium-Ion Batteries. ACS Omega, 2017, 2, 3518-3526.	3.5	8
15	Fabrication of Si/SiO _x Anode Materials by a Solution Reaction-Based Method for Lithium Ion Batteries. Journal of Korean Institute of Metals and Materials, 2016, 54, 780-786.	1.0	5
16	Electrochemical Properties of Chemically Processed SiO _x Coating Material in Lithium-Ion Batteries with Si Anode. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	1