

Kyungbae Kim

List of Publications by Citations

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papers

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413
ext. citations

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avg, IF

3.98
L-index

#	Paper	IF	Citations
31	Structural Modification of Self-Organized Nanoporous Niobium Oxide via Hydrogen Treatment. <i>Chemistry of Materials</i> , 2016 , 28, 1453-1461	9.6	43
30	Niobium oxide nanoparticle core/morphous carbon shell structure for fast reversible lithium storage. <i>Electrochimica Acta</i> , 2017 , 240, 316-322	6.7	32
29	Facile and scalable synthesis of SiO _x materials for Li-ion negative electrodes. <i>Journal of Power Sources</i> , 2019 , 436, 226883	8.9	24
28	Effect of carbon coating on nano-Si embedded SiO _x -Al ₂ O ₃ composites as lithium storage materials. <i>Applied Surface Science</i> , 2017 , 416, 527-535	6.7	20
27	Electrochemical behavior of manganese oxides on flexible substrates for thin film supercapacitors. <i>Electrochimica Acta</i> , 2015 , 153, 184-189	6.7	18
26	Surface-oxidized, freeze-cast cobalt foams: Microstructure, mechanical properties and electrochemical performance. <i>Acta Materialia</i> , 2018 , 142, 213-225	8.4	17
25	Mechanochemically Reduced SiO ₂ by Ti Incorporation as Lithium Storage Materials. <i>ChemSusChem</i> , 2015 , 8, 3111-7	8.3	17
24	Si-SiO _x -Al ₂ O ₃ nanocomposites as high-capacity anode materials for Li-ion batteries. <i>Electronic Materials Letters</i> , 2017 , 13, 152-159	2.9	16
23	Magnesium silicide-derived porous Sb-Si-C composite for stable lithium storage. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 525-532	5.7	16
22	Bottom-up self-assembly of nano-netting cluster microspheres as high-performance lithium storage materials. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13321-13330	13	14
21	Nano Si embedded SiO _x -Nb ₂ O ₅ -C composite as reversible lithium storage materials. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 351-357	5.7	13
20	Anode Design Based on Microscale Porous Scaffolds for Advanced Lithium Ion Batteries. <i>Journal of Electronic Materials</i> , 2017 , 46, 3789-3795	1.9	12
19	Three-dimensional Ge/GeO ₂ shell-encapsulated Nb ₂ O ₅ nanoparticle assemblies for high-performance lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2020 , 340, 135952	6.7	12
18	Surface-controlled Nb ₂ O ₅ nanoparticle networks for fast Li transport and storage. <i>Journal of Materials Science</i> , 2019 , 54, 2493-2500	4.3	12
17	Zn-induced synthesis of porous SiO _x materials as negative electrodes for Li secondary batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 803, 325-331	5.7	10
16	Integrated porous cobalt oxide/cobalt anode with micro- and nano-pores for lithium ion battery. <i>Applied Surface Science</i> , 2020 , 525, 146592	6.7	10
15	Facile synthesis and electrochemical properties of carbon-coated ZnO nanotubes for high-rate lithium storage. <i>Ceramics International</i> , 2018 , 44, 18222-18226	5.1	10

14	Impact of magnesium substitution in nickel ferrite: Optical and electrochemical studies. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 108, 100-104	3	10
13	Synthesis and Electrochemical Reaction Mechanism of Zn-TiO _x -C Nanocomposite Anode Materials for Li Secondary Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A2683-A2688	3.9	7
12	SnS nanosheets on carbon foam as a flexible anode platform for rechargeable Li- and Na-ion batteries. <i>Applied Surface Science</i> , 2021 , 544, 148837	6.7	7
11	Novel synthesis of porous Si-TiO ₂ composite as a high-capacity anode material for Li secondary batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 872, 159640	5.7	6
10	Microstructure Design of Carbon-Coated Nb ₂ O ₅ /Bi Composites as Reversible Li Storage Materials. <i>Electronic Materials Letters</i> , 2020 , 16, 376-384	2.9	5
9	Porous SiO composite tailored by scalable mechanochemical oxidation of Si for Li-ion anodes. <i>Electrochimica Acta</i> , 2020 , 357, 136862	6.7	5
8	Spherical Sb Core/Nb ₂ O ₅ -C Double-Shell Structured Composite as an Anode Material for Li Secondary Batteries. <i>Energies</i> , 2020 , 13, 1999	3.1	4
7	Galvanically Replaced, Single-Bodied Lithium-Ion Battery Fabric Electrodes. <i>Advanced Functional Materials</i> , 2020 , 30, 1908633	15.6	4
6	Effect of Lithiation on the Microstructure of a Cobalt Foam Processed by Freeze Casting. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800343	3.5	3
5	Size-Controlled Synthesis of Copper Oxide Particles on Reduced Graphene Oxide for Lithium-Ion Battery Anode Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 9039-44	1.3	2
4	Nano-spatially stable Si ₂ O composite and its balanced electrochemical performance for Li rechargeable batteries. <i>Journal of Power Sources</i> , 2022 , 519, 230777	8.9	2
3	Manganese oxide on fluorine-doped SnO ₂ inverse opal frame as pseudocapacitor electrodes. <i>Ceramics International</i> , 2020 , 46, 22557-22563	5.1	2
2	Scalable Synthesis and Electrochemical Properties of Porous Si-CoSi-C Composites as an Anode for Li-ion Batteries. <i>Materials</i> , 2021 , 14,	3.5	1
1	Surfactant-derived porous Sn ₂ Nb ₂ O ₇ -graphene oxide composite as Li- and Na-ion storage materials. <i>Journal of Alloys and Compounds</i> , 2022 , 164943	5.7	0