

Kyungbae Kim

List of Publications by Year in descending order

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papers

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33
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633
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Modification of Self-Organized Nanoporous Niobium Oxide via Hydrogen Treatment. <i>Chemistry of Materials</i> , 2016, 28, 1453-1461.	3.2	50
2	Facile and scalable synthesis of SiO _x materials for Li-ion negative electrodes. <i>Journal of Power Sources</i> , 2019, 436, 226883.	4.0	36
3	Niobium oxide nanoparticle core-amorphous carbon shell structure for fast reversible lithium storage. <i>Electrochimica Acta</i> , 2017, 240, 316-322.	2.6	34
4	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.	3.1	31
5	Impact of magnesium substitution in nickel ferrite: Optical and electrochemical studies. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 108, 100-104.	1.3	24
6	Surface-oxidized, freeze-cast cobalt foams: Microstructure, mechanical properties and electrochemical performance. <i>Acta Materialia</i> , 2018, 142, 213-225.	3.8	23
7	Electrochemical behavior of manganese oxides on flexible substrates for thin film supercapacitors. <i>Electrochimica Acta</i> , 2015, 153, 184-189.	2.6	22
8	Magnesium silicide-derived porous Sb-Si-C composite for stable lithium storage. <i>Journal of Alloys and Compounds</i> , 2019, 782, 525-532.	2.8	20
9	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.	2.8	19
10	Integrated porous cobalt oxide/cobalt anode with micro- and nano-pores for lithium ion battery. <i>Applied Surface Science</i> , 2020, 525, 146592.	3.1	19
11	Mechanochemically Reduced SiO ₂ by Ti Incorporation as Lithium Storage Materials. <i>ChemSusChem</i> , 2015, 8, 3111-3117.	3.6	17
12	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.	1.0	17
13	Surface-controlled Nb ₂ O ₅ nanoparticle networks for fast Li transport and storage. <i>Journal of Materials Science</i> , 2019, 54, 2493-2500.	1.7	17
14	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.	5.2	16
15	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.	2.8	14
16	Facile synthesis and electrochemical properties of carbon-coated ZnO nanotubes for high-rate lithium storage. <i>Ceramics International</i> , 2018, 44, 18222-18226.	2.3	14
17	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.	2.6	14
18	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.	2.8	13

#	ARTICLE	IF	CITATIONS
19	Anode Design Based on Microscale Porous Scaffolds for Advanced Lithium Ion Batteries. <i>Journal of Electronic Materials</i> , 2017, 46, 3789-3795.	1.0	12
20	Galvanically Replaced, Single-Bodied Lithium-Ion Battery Fabric Electrodes. <i>Advanced Functional Materials</i> , 2020, 30, 1908633.	7.8	11
21	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.	3.1	11
22	Microstructure Design of Carbon-Coated Nb ₂ O ₅ -Si Composites as Reversible Li Storage Materials. <i>Electronic Materials Letters</i> , 2020, 16, 376-384.	1.0	10
23	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.	1.3	7
24	Porous SiO composite tailored by scalable mechanochemical oxidation of Si for Li-ion anodes. <i>Electrochimica Acta</i> , 2020, 357, 136862.	2.6	7
25	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.	1.6	5
26	Scalable Synthesis and Electrochemical Properties of Porous Si-CoSi ₂ -C Composites as an Anode for Li-ion Batteries. <i>Materials</i> , 2021, 14, 5397.	1.3	5
27	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.	4.0	4
28	Effect of Lithiation on the Microstructure of a Cobalt Foam Processed by Freeze Casting. <i>Advanced Engineering Materials</i> , 2018, 20, 1800343.	1.6	3
29	Manganese oxide on fluorine-doped SnO ₂ inverse opal frame as pseudocapacitor electrodes. <i>Ceramics International</i> , 2020, 46, 22557-22563.	2.3	3
30	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, 9039-9044.	0.9	2
31	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.	2.8	1
32	ZnO-Carbon Nanostructure Derived from Metal-Organic Framework As Stable Lithium Metal Anodes. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0