Won-Sik Kim

List of Publications by Year
in descending order

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30 papers	1,506 citations	361413 20 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	2647 citing authors

#	Article	IF	Citations
1	Scalable synthesis of silicon nanosheets from sand as an anode for Li-ion batteries. Nanoscale, 2014, 6, 4297.	5.6	149
2	SnO2@Co3O4 hollow nano-spheres for a Li-ion battery anode with extraordinary performance. Nano Research, 2014, 7, 1128-1136.	10.4	123
3	SnO2@TiO2 double-shell nanotubes for a lithium ion battery anode with excellent high rate cyclability. Nanoscale, 2013, 5, 8480.	5.6	116
4	Gas sensing properties of MoO3 nanoparticles synthesized by solvothermal method. Journal of Nanoparticle Research, 2010, 12, 1889-1896.	1.9	114
5	High capacity and rate capability of coreâ€“shell structured nano-Si/C anode for Li-ion batteries. Electrochimica Acta, 2012, 71, 201-205.	5.2	112
6	Synthesis of SnO2 nano hollow spheres and their size effects in lithium ion battery anode application. Journal of Power Sources, 2013, 225, 108-112.	7.8	110
7	SnO₂nanotubes fabricated using electrospinning and atomic layer deposition and their gas sensing performance. Nanotechnology, 2010, 21, 245605.	2.6	90
8	Sn₄P₃â€“C nanospheres as high capacitive and ultra-stable anodes for sodium ion and lithium ion batteries. Journal of Materials Chemistry A, 2018, 6, 17437-17443.	10.3	82
9	A nanopore-embedded graphitic carbon shell on silicon anode for high performance lithium ion batteries. Journal of Materials Chemistry A, 2018, 6, 8013-8020.	10.3	81
10	Meso-porous silicon-coated carbon nanotube as an anode for lithium-ion battery. Nano Research, 2016, 9, 2174-2181.	10.4	67
11	Highly stable SnO₂â€“Fe₂O₃â€“C hollow spheres for reversible lithium storage with extremely long cycle life. Nanoscale, 2018, 10, 4370-4376.	5.6	46
12	Gas sensing properties in epitaxial SnO2 films grown on TiO2 single crystals with various orientations. Sensors and Actuators B: Chemical, 2010, 147, 653-659.	7.8	45
13	Enhancement of the Cyclability of a Si Anode through Co₃O₄ Coating by the Solâ€“Gel Method. Journal of Physical Chemistry C, 2013, 117, 7013-7017.	3.1	44
14	Facile synthesis of Si nanoparticles using magnesium silicide reduction and its carbon composite as a high-performance anode for Li ion batteries. Journal of Power Sources, 2014, 252, 144-149.	7.8	44
15	Fabrication of Ga₂O₃/SnO₂ coreâ€“shell nanowires and their ethanol gas sensing properties. Journal of Materials Research, 2011, 26, 2322-2327.	2.6	36
16	Reversible storage of Li-ion in nano-Si/SnO2 coreâ€“shell nanostructured electrode. Journal of Materials Chemistry A, 2013, 1, 3733.	10.3	33
17	Facile synthesis of Si/TiO2 (anatase) coreâ€“shell nanostructured anodes for rechargeable Li-ion batteries. Journal of Electroanalytical Chemistry, 2014, 712, 202-206.	3.8	31
18	CO gas sensing properties in Pd-added ZnO sensors. Journal of Electroceramics, 2009, 23, 196-199.	2.0	29

#	Article	IF	Citations
19	Brookite TiO₂ Thin Film Epitaxially Grown on (110) YSZ Substrate by Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2014, 6, 11817-11822.	8.0	25
20	Fabrication of SnO2nanotube microyarn and its gas sensing behavior. Smart Materials and Structures, 2011, 20, 105019.	3.5	21
21	TiO2@SnO2@TiO2 triple-shell nanotube anode for high-performance lithium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 2365-2371.	2.5	17
22	Epitaxial Directional Growth of Tin Oxide (101) Nanowires on Titania (101) Substrate. Crystal Growth and Design, 2010, 10, 4746-4751.	3.0	16
23	Mesoporous Nanoâ€Si Anode for Liâ€ion Batteries Produced by Magnesioâ€Mechanochemical Reduction of Amorphous SiO₂. Energy Technology, 2013, 1, 327-331.	3.8	16
24	Solid solution phosphide (Mn_{1â^'x}Fe_xP) as a tunable conversion/alloying hybrid anode for lithium-ion batteries. Nanoscale, 2019, 11, 13494-13501.	5.6	14
25	Laser-based three-dimensional manufacturing technologies for rechargeable batteries. Nano Convergence, 2021, 8, 23.	12.1	13
26	Mesoporous Siâ€“Cu nanocomposite anode for a lithium ion battery produced by magnesiothermic reduction and electroless deposition. Nanotechnology, 2019, 30, 405401.	2.6	12
27	Lateral epitaxial growth of faceted SnO₂nanowires with self-alignment. CrystEngComm, 2014, 16, 9340-9344.	2.6	8
28	Synthesis of well-aligned SnO2 nanowires with branches on r-cut sapphire substrate. CrystEngComm, 2012, 14, 1545.	2.6	6
29	Hetero-epitaxial growth of vertically-aligned TiO2 nanorods on an m-cut sapphire substrate with an (001) SnO2 buffer layer. CrystEngComm, 2012, 14, 4963.	2.6	3
30	Kinetic stabilization of a topotactically transformed texture morphology via doping in Ni-rich lithium layered oxides. Journal of Materials Chemistry A, 2022, 10, 13735-13743.	10.3	3