

Won-Sik Kim

List of Publications by Year in descending order

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Version: 2024-02-01

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	Kinetic stabilization of a topotactically transformed texture morphology <i>via</i> doping in Ni-rich lithium layered oxides. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13735-13743.	10.3	3
2	Laser-based three-dimensional manufacturing technologies for rechargeable batteries. <i>Nano Convergence</i> , 2021, 8, 23.	12.1	13
3	Mesoporous Si@Cu nanocomposite anode for a lithium ion battery produced by magnesiothermic reduction and electroless deposition. <i>Nanotechnology</i> , 2019, 30, 405401.	2.6	12
4	Solid solution phosphide (Mn _{1-x} Fe _x P) as a tunable conversion/alloying hybrid anode for lithium-ion batteries. <i>Nanoscale</i> , 2019, 11, 13494-13501.	5.6	14
5	Highly stable SnO ₂ @Fe ₂ O ₃ @C hollow spheres for reversible lithium storage with extremely long cycle life. <i>Nanoscale</i> , 2018, 10, 4370-4376.	5.6	46
6	A nanopore-embedded graphitic carbon shell on silicon anode for high performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8013-8020.	10.3	81
7	Sn ₄ P ₃ @C nanospheres as high capacitive and ultra-stable anodes for sodium ion and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17437-17443.	10.3	82
8	TiO ₂ @SnO ₂ @TiO ₂ triple-shell nanotube anode for high-performance lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2365-2371.	2.5	17
9	Meso-porous silicon-coated carbon nanotube as an anode for lithium-ion battery. <i>Nano Research</i> , 2016, 9, 2174-2181.	10.4	67
10	Scalable synthesis of silicon nanosheets from sand as an anode for Li-ion batteries. <i>Nanoscale</i> , 2014, 6, 4297.	5.6	149
11	Facile synthesis of Si nanoparticles using magnesium silicide reduction and its carbon composite as a high-performance anode for Li ion batteries. <i>Journal of Power Sources</i> , 2014, 252, 144-149.	7.8	44
12	Facile synthesis of Si/TiO ₂ (anatase) core-shell nanostructured anodes for rechargeable Li-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2014, 712, 202-206.	3.8	31
13	Lateral epitaxial growth of faceted SnO ₂ nanowires with self-alignment. <i>CrystEngComm</i> , 2014, 16, 9340-9344.	2.6	8
14	Brookite TiO ₂ Thin Film Epitaxially Grown on (110) YSZ Substrate by Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11817-11822.	8.0	25
15	SnO ₂ @Co ₃ O ₄ hollow nano-spheres for a Li-ion battery anode with extraordinary performance. <i>Nano Research</i> , 2014, 7, 1128-1136.	10.4	123
16	SnO ₂ @TiO ₂ double-shell nanotubes for a lithium ion battery anode with excellent high rate cyclability. <i>Nanoscale</i> , 2013, 5, 8480.	5.6	116
17	Mesoporous Nano-Si Anode for Li-ion Batteries Produced by Magnesio-Mechanochemical Reduction of Amorphous SiO ₂ . <i>Energy Technology</i> , 2013, 1, 327-331.	3.8	16
18	Synthesis of SnO ₂ nano hollow spheres and their size effects in lithium ion battery anode application. <i>Journal of Power Sources</i> , 2013, 225, 108-112.	7.8	110

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19	Enhancement of the Cyclability of a Si Anode through Co_3O_4 Coating by the Sol-Gel Method. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7013-7017.	3.1	44
20	Reversible storage of Li-ion in nano-Si/SnO ₂ core-shell nanostructured electrode. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3733.	10.3	33
21	Hetero-epitaxial growth of vertically-aligned TiO ₂ nanorods on an m-cut sapphire substrate with an (001) SnO ₂ buffer layer. <i>CrystEngComm</i> , 2012, 14, 4963.	2.6	3
22	Synthesis of well-aligned SnO ₂ nanowires with branches on r-cut sapphire substrate. <i>CrystEngComm</i> , 2012, 14, 1545.	2.6	6
23	High capacity and rate capability of core-shell structured nano-Si/C anode for Li-ion batteries. <i>Electrochimica Acta</i> , 2012, 71, 201-205.	5.2	112
24	Fabrication of SnO ₂ nanotube microyarn and its gas sensing behavior. <i>Smart Materials and Structures</i> , 2011, 20, 105019.	3.5	21
25	Fabrication of $\text{Ga}_2\text{O}_3/\text{SnO}_2$ core-shell nanowires and their ethanol gas sensing properties. <i>Journal of Materials Research</i> , 2011, 26, 2322-2327.	2.6	36
26	Gas sensing properties of MoO ₃ nanoparticles synthesized by solvothermal method. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1889-1896.	1.9	114
27	Gas sensing properties in epitaxial SnO ₂ films grown on TiO ₂ single crystals with various orientations. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 653-659.	7.8	45
28	SnO ₂ nanotubes fabricated using electrospinning and atomic layer deposition and their gas sensing performance. <i>Nanotechnology</i> , 2010, 21, 245605.	2.6	90
29	Epitaxial Directional Growth of Tin Oxide (101) Nanowires on Titania (101) Substrate. <i>Crystal Growth and Design</i> , 2010, 10, 4746-4751.	3.0	16
30	CO gas sensing properties in Pd-added ZnO sensors. <i>Journal of Electroceramics</i> , 2009, 23, 196-199.	2.0	29