

Dongsheng Guan

List of Publications by Year in descending order

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28
papers

1,082
citations

430442

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552369

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Emissions from Chemical Etching Synthesis of Silicon Nanotube for Lithium Ion Battery Applications. <i>Journal of Manufacturing and Materials Processing</i> , 2018, 2, 11.	1.0	6
2	A TiO ₂ nanotube network electron transport layer for high efficiency perovskite solar cells. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4956-4961.	1.3	33
3	Atomic Layer Deposition of Alumina Coatings onto SnS ₂ for Lithium-Ion Battery Applications. <i>Electrochimica Acta</i> , 2017, 242, 117-124.	2.6	35
4	Atomic Layer Deposition Process Modeling and Experimental Investigation for Sustainable Manufacturing of Nano Thin Films. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2016, 138, .	1.3	18
5	Enhancing the Cycling Stability of Tin Sulfide Anodes for Lithium Ion Battery by Titanium Oxide Atomic Layer Deposition. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2016, 13, .	1.1	8
6	Band gap opening and semiconductor-metal phase transition in (n, n) single-walled carbon nanotubes with distinctive boron-nitrogen line defect. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4643-4651.	1.3	8
7	Growth characteristics and influencing factors of 3D hierarchical flower-like SnS ₂ nanostructures and their superior lithium-ion intercalation performance. <i>Journal of Alloys and Compounds</i> , 2016, 658, 190-197.	2.8	56
8	BaFe ₁₂ O ₁₉ -chitosan Schiff-base Ag (I) complexes embedded in carbon nanotube networks for high-performance electromagnetic materials. <i>Scientific Reports</i> , 2015, 5, 12544.	1.6	13
9	A three-dimensionally interconnected carbon nanotube/layered MoS ₂ nanohybrid network for lithium ion battery anode with superior rate capacity and long-cycle-life. <i>Nano Energy</i> , 2015, 16, 10-18.	8.2	155
10	Carbon nanotube-assisted growth of single-/multi-layer SnS ₂ and SnO ₂ nanoflakes for high-performance lithium storage. <i>RSC Advances</i> , 2015, 5, 58514-58521.	1.7	31
11	Controllable synthesis of MoO ₃ -deposited TiO ₂ nanotubes with enhanced lithium-ion intercalation performance. <i>Journal of Power Sources</i> , 2014, 246, 305-312.	4.0	64
12	Effects of amorphous and crystalline MoO ₃ coatings on the Li-ion insertion behavior of a TiO ₂ nanotube anode for lithium ion batteries. <i>RSC Advances</i> , 2014, 4, 4055-4062.	1.7	24
13	A comparative study of enhanced electrochemical stability of tin-nickel alloy anode for high-performance lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2014, 617, 464-471.	2.8	17
14	Enhanced capacitive performance of TiO ₂ nanotubes with molybdenum oxide coating. <i>Applied Surface Science</i> , 2014, 300, 165-170.	3.1	52
15	Engineering Bamboo-Type TiO ₂ Nanotube Arrays to Enhance Their Photocatalytic Property. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4541-4550.	0.9	1
16	Electrodeposition of Ag nanoparticles onto bamboo-type TiO ₂ nanotube arrays to improve their lithium-ion intercalation performance. <i>Ionics</i> , 2013, 19, 879-885.	1.2	24
17	Ultrathin surface coatings to enhance cycling stability of LiMn ₂ O ₄ cathode in lithium-ion batteries. <i>Ionics</i> , 2013, 19, 1-8.	1.2	37
18	Free standing TiO ₂ nanotube array electrodes with an ultra-thin Al ₂ O ₃ barrier layer and TiCl ₄ surface modification for highly efficient dye sensitized solar cells. <i>Nanoscale</i> , 2013, 5, 10438.	2.8	49

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19	Synthesis and growth mechanism of multilayer TiO ₂ nanotube arrays. <i>Nanoscale</i> , 2012, 4, 2968.	2.8	73
20	Enhancing High-Rate and Elevated-Temperature Performances of Nano-Sized and Micron-Sized LiMn ₂ O ₄ in Lithium-Ion Batteries with Ultrathin Surface Coatings. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7113-7120.	0.9	26
21	Growth mechanism and morphology control of double-layer and bamboo-type TiO ₂ nanotube arrays by anodic oxidation. <i>Electrochimica Acta</i> , 2012, 83, 420-429.	2.6	46
22	Facile Synthesis and Morphology Control of Bamboo-Type TiO ₂ Nanotube Arrays for High-Efficiency Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14257-14263.	1.5	68
23	Enhanced Cycleability of LiMn ₂ O ₄ Cathodes by Atomic Layer Deposition of Al ₂ O ₃ Coatings. , 2011, , .		0
24	Enhanced cycleability of LiMn ₂ O ₄ cathodes by atomic layer deposition of nanosized-thin Al ₂ O ₃ coatings. <i>Nanoscale</i> , 2011, 3, 1465.	2.8	165
25	Solution processing of V ₂ O ₅ -WO ₃ composite films for enhanced Li-ion intercalation properties. <i>Journal of Alloys and Compounds</i> , 2011, 509, 909-915.	2.8	21
26	Amorphous and Crystalline TiO ₂ Nanotube Arrays for Enhanced Li-Ion Intercalation Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3641-3650.	0.9	50
27	Solution Processing of V ₂ O ₅ -WO ₃ Composite Films for Enhanced Li-Ion Intercalation Properties. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1247, 1.	0.1	0
28	Amorphous and Crystalline TiO ₂ Nanotube Arrays for Enhanced Li-ion Intercalation Properties. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1266, 60501.	0.1	2