

Dongsheng Guan

List of Publications by Year in descending order

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28
papers

1,082
citations

430442

18
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Synthesis and growth mechanism of multilayer TiO ₂ nanotube arrays. <i>Nanoscale</i> , 2012, 4, 2968.	2.8	73
4	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
5	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
6	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
7	Enhanced capacitive performance of TiO ₂ nanotubes with molybdenum oxide coating. <i>Applied Surface Science</i> , 2014, 300, 165-170.	3.1	52
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
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	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
18	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

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19	Atomic Layer Deposition Process Modeling and Experimental Investigation for Sustainable Manufacturing of Nano Thin Films. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	1.3	18
20	A comparative study of enhanced electrochemical stability of tin-nickel alloy anode for high-performance lithium ion battery. Journal of Alloys and Compounds, 2014, 617, 464-471.	2.8	17
21	BaFe12O19-chitosan Schiff-base Ag (I) complexes embedded in carbon nanotube networks for high-performance electromagnetic materials. Scientific Reports, 2015, 5, 12544.	1.6	13
22	Enhancing the Cycling Stability of Tin Sulfide Anodes for Lithium Ion Battery by Titanium Oxide Atomic Layer Deposition. Journal of Electrochemical Energy Conversion and Storage, 2016, 13, .	1.1	8
23	Band gap opening and semiconductor-metal phase transition in (n, n) single-walled carbon nanotubes with distinctive boron-nitrogen line defect. Physical Chemistry Chemical Physics, 2016, 18, 4643-4651.	1.3	8
24	Environmental Emissions from Chemical Etching Synthesis of Silicon Nanotube for Lithium Ion Battery Applications. Journal of Manufacturing and Materials Processing, 2018, 2, 11.	1.0	6
25	Amorphous and Crystalline TiO2 Nanotube Arrays for Enhanced Li-ion Intercalation Properties. Materials Research Society Symposia Proceedings, 2010, 1266, 60501.	0.1	2
26	Engineering Bamboo-Type TiO ₂ Nanotube Arrays to Enhance Their Photocatalytic Property. Journal of Nanoscience and Nanotechnology, 2014, 14, 4541-4550.	0.9	1
27	Solution Processing of V2O5-WO3 Composite Films for Enhanced Li-Ion Intercalation Properties. Materials Research Society Symposia Proceedings, 2010, 1247, 1.	0.1	0
28	Enhanced Cycleability of LiMn2O4 Cathodes by Atomic Layer Deposition of Al2O3 Coatings. , 2011, , .		0