

Yanqiang Cao

List of Publications by Year in descending order

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19
papers

504
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1040056

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19
docs citations

19
times ranked

965
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic layer deposition of Co ₃ O ₄ on carbon nanotubes/carbon cloth for high-capacitance and ultrastable supercapacitor electrode. <i>Nanotechnology</i> , 2015, 26, 094001.	2.6	84
2	Strong ferromagnetism of reduced graphene oxide. <i>Carbon</i> , 2014, 78, 559-565.	10.3	73
3	Atomic Layer Deposition of MnS: Phase Control and Electrochemical Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2774-2780.	8.0	57
4	The effect of thermal treatment induced inter-diffusion at the interfaces on the charge trapping performance of HfO ₂ /Al ₂ O ₃ nanolaminate-based memory devices. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	54
5	Atomic Layer Deposition of Aluminum Sulfide: Growth Mechanism and Electrochemical Evaluation in Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2017, 29, 9043-9052.	6.7	43
6	Atomic Layer Deposition of High-Capacity Anodes for Next-Generation Lithium-Ion Batteries and Beyond. <i>Energy and Environmental Materials</i> , 2021, 4, 363-391.	12.8	43
7	Magnetic interactions in BiFe _{0.5} Mn _{0.5} O ₃ films and BiFeO ₃ /BiMnO ₃ superlattices. <i>Scientific Reports</i> , 2015, 5, 9093.	3.3	40
8	Theoretical design and computational screening of precursors for atomic layer deposition. <i>Coordination Chemistry Reviews</i> , 2016, 322, 94-103.	18.8	40
9	Atomic Layer Deposition of Al-doped ZnO Films Using Aluminum Isopropoxide as the Al Precursor. <i>Chemical Vapor Deposition</i> , 2013, 19, 180-185.	1.3	15
10	Enhanced room temperature ferromagnetism in Co-doped ZnO mediated by interstitial H. <i>Materials Letters</i> , 2012, 89, 209-211.	2.6	10
11	Room temperature ferromagnetic Zn _{0.98} Co _{0.02} O powders with improved visible-light photocatalysis. <i>RSC Advances</i> , 2016, 6, 6761-6767.	3.6	9
12	Enhancement of the charge trapping performances with HfAlO composite oxide thin films in SONOS-type nonvolatile memory. <i>Microelectronic Engineering</i> , 2015, 133, 88-91.	2.4	7
13	Interstitial H+-Mediated Ferromagnetism in Co-Doped ZnS. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 1389-1393.	1.8	7
14	Irreversible electrical manipulation of magnetization on BiFeO ₃ -based heterostructures. <i>Journal of Applied Physics</i> , 2015, 117, 17D707.	2.5	5
15	Core-shell MWCNTs@ZnS composite prepared by atomic layer deposition for high-performance lithium-ion batteries anode. <i>Journal of Materials Research</i> , 2021, 36, 1262-1271.	2.6	5
16	Enhanced room temperature ferromagnetism in hydrogenated Zn _{0.98} Mn _{0.02} O. <i>Applied Surface Science</i> , 2013, 271, 421-423.	6.1	4
17	Design and self-catalytic mechanism of aluminum precursors bearing amino ligands for Al ₂ S ₃ atomic layer deposition. <i>Applied Surface Science</i> , 2022, 595, 153516.	6.1	4
18	Bipolar resistive switching in BiFe _{0.95} Mn _{0.05} O ₃ films. <i>Solid State Communications</i> , 2012, 152, 2036-2039.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Interface modulation and resistive switching evolution in Pt/NiO x /Al2O3/n+â€“Si structure. Applied Physics A: Materials Science and Processing, 2015, 118, 1365-1370.	2.3	2