

# Yanqiang Cao

## List of Publications by Year in descending order

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19  
papers

504  
citations

1040056

9  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

965  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and self-catalytic mechanism of aluminum precursors bearing amino ligands for Al <sub>2</sub> S <sub>3</sub> atomic layer deposition. <i>Applied Surface Science</i> , 2022, 595, 153516.	6.1	4
2	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
3	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
4	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
5	Theoretical design and computational screening of precursors for atomic layer deposition. <i>Coordination Chemistry Reviews</i> , 2016, 322, 94-103.	18.8	40
6	Atomic Layer Deposition of MnS: Phase Control and Electrochemical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2774-2780.	8.0	57
7	Room temperature ferromagnetic Zn <sub>0.98</sub> Co <sub>0.02</sub> O powders with improved visible-light photocatalysis. <i>RSC Advances</i> , 2016, 6, 6761-6767.	3.6	9
8	Magnetic interactions in BiFe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> films and BiFeO <sub>3</sub> /BiMnO <sub>3</sub> superlattices. <i>Scientific Reports</i> , 2015, 5, 9093.	3.3	40
9	Atomic layer deposition of Co <sub>3</sub> O <sub>4</sub> on carbon nanotubes/carbon cloth for high-capacitance and ultrastable supercapacitor electrode. <i>Nanotechnology</i> , 2015, 26, 094001.	2.6	84
10	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
11	Interstitial H <sup>+</sup> -Mediated Ferromagnetism in Co-Doped ZnS. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 1389-1393.	1.8	7
12	Interface modulation and resistive switching evolution in Pt/NiO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> /n-Si structure. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 1365-1370.	2.3	2
13	Irreversible electrical manipulation of magnetization on BiFeO <sub>3</sub> -based heterostructures. <i>Journal of Applied Physics</i> , 2015, 117, 17D707.	2.5	5
14	Strong ferromagnetism of reduced graphene oxide. <i>Carbon</i> , 2014, 78, 559-565.	10.3	73
15	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
16	Enhanced room temperature ferromagnetism in hydrogenated Zn <sub>0.98</sub> Mn <sub>0.02</sub> O. <i>Applied Surface Science</i> , 2013, 271, 421-423.	6.1	4
17	The effect of thermal treatment induced inter-diffusion at the interfaces on the charge trapping performance of HfO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanolaminate-based memory devices. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	54
18	Enhanced room temperature ferromagnetism in Co-doped ZnO mediated by interstitial H. <i>Materials Letters</i> , 2012, 89, 209-211.	2.6	10

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19	Bipolar resistive switching in BiFe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>3</sub> films. Solid State Communications, 2012, 152, 2036-2039.	1.9	2