

Frank Liu

List of Publications by Year in descending order

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22
papers

677
citations

840776

11
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

1083
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomechanical Architecture of Strained Bilayer Thin Films: From Design Principles to Experimental Fabrication. <i>Advanced Materials</i> , 2005, 17, 2860-2864.	21.0	167
2	Recent development of metal hydroxides as electrode material of electrochemical capacitors. <i>RSC Advances</i> , 2014, 4, 38893-38917.	3.6	143
3	Porous cobalt oxides with tunable hierarchical morphologies for supercapacitor electrodes. <i>CrystEngComm</i> , 2012, 14, 6702.	2.6	99
4	Effect of calcination temperature on the porous structure of cobalt oxide micro-flowers. <i>CrystEngComm</i> , 2012, 14, 1271-1276.	2.6	70
5	Influence of phase and morphology on thermal conductivity of alumina particle/silicone rubber composites. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1985-1992.	2.3	54
6	Magnetic structure and anisotropy of $\text{La}_{0.67-x}\text{Ca}_x\text{MnO}_3$. <i>Physical Review B</i> , 2015, 91, .	2.3	19
7	Controllable one-step synthesis of magnetite/carbon nanotubes composite and its electrochemical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 837-842.	2.3	19
8	Canadian pyrrhotite treatment: the history, inventory and potential for tailings processing. <i>Canadian Metallurgical Quarterly</i> , 2017, 56, 410-417.	1.2	18
9	TEM characterization of metal and metal oxide particles supported by multi-wall carbon nanotubes. <i>Journal of Materials Science</i> , 2006, 41, 4523-4531.	3.7	14
10	Effect of ferric ions on the morphology and size of magnetite nanocrystals synthesized by ultrasonic irradiation. <i>Crystal Research and Technology</i> , 2011, 46, 723-730.	1.3	13
11	Evolution of cobalt hydroxide from 2D microplatelets to a 3D hierarchical structure mediated by precursor concentration. <i>RSC Advances</i> , 2013, 3, 13304.	3.6	12
12	Insulator-metal transition shift related to magnetic polarons in $\text{La}_{0.67-x}\text{Ca}_x\text{MnO}_3$. <i>European Physical Journal B</i> , 2003, 32, 5-11.	1.5	9
13	Effect of Microstructural Evolution and Hardening in Subsurface on Wear Behavior of Mg-3Al-1Zn Alloy. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 3783-3791.	2.5	9
14	Transport properties of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($0.5 < x < 1$). <i>European Physical Journal B</i> , 2002, 26, 467-471.	1.5	8
15	Size-dependent magnetic properties of 100-500 nm diameter IrMn/NiFe disks made by a two-step deposition process. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	6
16	Three-Dimensional Geometry of Nanometer-Scale AlN Pits: A New Template for Quantum Dots?. <i>Advanced Materials</i> , 2008, 20, 134-137.	21.0	5
17	Dynamics of Liquid Crystalline Side-Chain Poly(Vinyl Ether)s. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1996, 33, 1555-1563.	2.2	2
18	Wettability of porous two-dimensional ZnO nanocrystal films. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 1583-1589.	1.7	2

#	ARTICLE	IF	CITATIONS
19	Magnetization Reversal in Ferromagnetic Films Patterned with Antiferromagnetic Gratings of Various Sizes. <i>Physical Review Applied</i> , 2015, 4, .	3.8	2
20	Magnetization reversal in ferromagnetic wires patterned with antiferromagnetic gratings. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	1
21	Chemical synthesis of exchange-coupled nanocomposite magnets. , 2015, , .		0
22	Fabrication of Dense Aluminum Nanoparticle Arrays with Controllable Deep Ultraviolet Surface Plasmon Resonance Properties. , 2018, , .		0