Frank Liu

List of Publications by Year
in descending order

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	Fabrication of Dense Aluminum Nanoparticle Arrays with Controllable Deep Ultraviolet Surface Plasmon Resonance Properties. , 2018, , .		0
2	Magnetization reversal in ferromagnetic wires patterned with antiferromagnetic gratings. Applied Physics Letters, 2017, 110, .	3.3	1
3	Canadian pyrrhotite treatment: the history, inventory and potential for tailings processing. Canadian Metallurgical Quarterly, 2017, 56, 410-417.	1.2	18
4	Magnetization Reversal in Ferromagnetic Films Patterned with Antiferromagnetic Gratings of Various Sizes. Physical Review Applied, 2015, 4, .	3.8	2
5	Chemical synthesis of exchange-coupled nanocomposite magnets. , 2015, , .		0
6	Magnetic structure and anisotropy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:... Physical Review B, 2015, 91, .	3.2	24
7	Influence of phase and morphology on thermal conductivity of alumina particle/silicone rubber composites. Applied Physics A: Materials Science and Processing, 2014, 117, 1985-1992.	2.3	54
8	Size-dependent magnetic properties of 100–500 nm diameter IrMn/NiFe disks made by a two-step deposition process. Journal of Applied Physics, 2014, 116, .	2.5	6
9	Recent development of metal hydroxides as electrode material of electrochemical capacitors. RSC Advances, 2014, 4, 38893-38917.	3.6	143
10	Evolution of cobalt hydroxide from 2D microplatelets to a 3D hierarchical structure mediated by precursor concentration. RSC Advances, 2013, 3, 13304.	3.6	12
11	Effect of Microstructural Evolution and Hardening in Subsurface on Wear Behavior of Mg-3Al-1Zn Alloy. Journal of Materials Engineering and Performance, 2013, 22, 3783-3791.	2.5	9
12	Porous cobalt oxides with tunable hierarchical morphologies for supercapacitor electrodes. CrystEngComm, 2012, 14, 6702.	2.6	99
13	Effect of calcination temperature on the porous structure of cobalt oxide micro-flowers. CrystEngComm, 2012, 14, 1271-1276.	2.6	70
14	Controllable one-step synthesis of magnetite/carbon nanotubes composite and its electrochemical properties. Applied Physics A: Materials Science and Processing, 2012, 106, 837-842.	2.3	19
15	Wettability of porous two–dimensional ZnO nanocrystal films. Canadian Journal of Chemical Engineering, 2011, 89, 1583-1589.	1.7	2
16	Effect of ferric ions on the morphology and size of magnetite nanocrystals synthesized by ultrasonic irradiation. Crystal Research and Technology, 2011, 46, 723-730.	1.3	13
17	Three–Dimensional Geometry of Nanometer–Scale AlN Pits: A New Template for Quantum Dots?. Advanced Materials, 2008, 20, 134-137.	21.0	5
18	TEM characterization of metal and metal oxide particles supported by multi-wall carbon nanotubes. Journal of Materials Science, 2006, 41, 4523-4531.	3.7	14

#	Article	IF	Citations
19	Nanomechanical Architecture of Strained Bilayer Thin Films: From Design Principles to Experimental Fabrication. Advanced Materials, 2005, 17, 2860-2864.	21.0	167
20	Insulator-metal transition shift related to magnetic polarons in La 0.67- xY xCa 0.33MnO 3. European Physical Journal B, 2003, 32, 5-11.	1.5	9
21	Transport properties of La 1 - x Ca x MnO 3 (0.5 ? x < 1). European Physical Journal B, 2002, 26, 467-471.	1.5	8
22	Dynamics of Liquid Crystalline Side-Chain Poly(Vinyl Ether)s. Journal of Macromolecular Science - Pure and Applied Chemistry, 1996, 33, 1555-1563.	2.2	2