Xibin Yu

List of Publications by Year
in descending order

41 papers	1,398 citations	471509 17 h-index	330143 37 g-index
41 all docs	41 docs citations	41 times ranked	2267 citing authors

#	Article	IF	Citations
1	BiOCl Sub-Microcrystals Induced by Citric Acid and Their High Photocatalytic Activities. Crystal Growth and Design, 2012, 12, 793-803.	3.0	229
2	Synthesis and characterization of new red phosphors for white LED applications. Journal of Materials Chemistry, 2009, 19, 3771.	6.7	123
3	Boron-doped porous Si anode materials with high initial coulombic efficiency and long cycling stability. Journal of Materials Chemistry A, 2018, 6, 3022-3027.	10.3	113
4	Controllable synthesis of hollow/flower-like BiOI microspheres and highly efficient adsorption and photocatalytic activity. CrystEngComm, 2012, 14, 4384.	2.6	100
5	Size-Controlled Synthesis of ZnSnO₃ Cubic Crystallites at Low Temperatures and Their HCHO-Sensing Properties. Journal of Physical Chemistry C, 2010, 114, 13577-13582.	3.1	99
6	A novel nanoreactor framework of iodine-incorporated BiOCl coreâ€"shell structure: enhanced light-harvesting system for photocatalysis. CrystEngComm, 2012, 14, 700-707.	2.6	84
7	Enhanced photoluminescence of Sr3SiO5:Ce3+ and tuneable yellow emission of Sr3SiO5:Ce3+,Eu2+ by Al3+ charge compensation for W-LEDs. Journal of Materials Chemistry, 2012, 22, 15887.	6.7	61
8	Tunable Solar-Heat Shielding Property of Transparent Films Based on Mesoporous Sb-Doped SnO₂ Microspheres. ACS Applied Materials & Interfaces, 2015, 7, 6574-6583.	8.0	61
9	An efficient light converter YAB:Cr³⁺,Yb³⁺/Nd³⁺ with broadband excitation and strong NIR emission for harvesting c-Si-based solar cells. Journal of Materials Chemistry C, 2014, 2, 5769-5777.	5.5	56
10	CuO nanoleaves enhance the c-Si solar cell efficiency. Journal of Materials Chemistry A, 2014, 2, 6796-6800.	10.3	53
11	A hierarchical CoFeS₂/reduced graphene oxide composite for highly efficient counter electrodes in dye-sensitized solar cells. Dalton Transactions, 2017, 46, 9511-9516.	3.3	49
12	Europium (II)-Doped Microporous Zeolite Derivatives with Enhanced Photoluminescence by Isolating Active Luminescence Centers. ACS Applied Materials & Interfaces, 2011, 3, 4431-4436.	8.0	43
13	Shape-controlled synthesis of monodispersed nano-/micro- NaY(MoO4)2 (doped with Eu3+) without capping agents via a hydrothermal process. CrystEngComm, 2012, 14, 2936.	2.6	42
14	Shape-controlled synthesis of phosphor K₂SiF₆:Mn⁴⁺nanorods and their luminescence properties. CrystEngComm, 2015, 17, 930-936.	2.6	41
15	Synthesis and Luminescence Properties of <scp><scp>Mg</scp></scp>â€"<scp><scp>Si</scp></scp> Coâ€doped <scp><scp>Tb</scp></scp>₃<scp><scp>Al</scp></scp>₅<scp><scp>O</scp></scp>₁₂:<scp Phosphors with Blue Excitation for White <scp>LED</scp>s. Journal of the American Ceramic Society, 2012, 95, 3582-3587.	3.8	30
16	Hydrogen Generation from Highly Activated <scp><scp>Alâ€"Ce</scp></scp> Composite Materials in Pure Water. Journal of the American Ceramic Society, 2011, 94, 3976-3982.	3.8	27
17	Bifunctional highly fluorescent hollow porous microspheres made of BaMoO4â€‰:â€‰Pr3+ nanocrystals via a template-free synthesis. Journal of Materials Chemistry, 2011, 21, 9009.	6.7	24
18	Sr3AlO4F:Ce3+-based yellow phosphors: structural tuning of optical properties and use in solid-state white lighting. Journal of Materials Chemistry C, 2013, 1, 7598.	5.5	16

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19	Brightly luminescent and color-tunable CaMoO4:RE3+ (REÂ=ÂEu, Sm, Dy, Tb) nanofibers synthesized through a facile route for efficient light-emitting diodes. Journal of Materials Science, 2018, 53, 4861-4873.	3.7	15
20	Effective CdS/ZnO nanorod arrays as antireflection coatings for light trapping in c-Si solar cells. RSC Advances, 2014, 4, 23149-23154.	3.6	14
21	Efficient Nearâ€Infrared Emission of Ce³⁺â€“Nd³⁺ CoDoped (Sr_{0.6}Ca_{0.4})₃(Al_{0.6}Si_{0.4})O_{4.4}F_{0.6} Phosphors for câ€Si Solar Cell. Journal of the American Ceramic Society, 2016, 99, 141-145.	3.8	13
22	Free inert gas protection, low temperature, non-injection synthesis of CdS and doped quantum dots for efficient white light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 3276-3282.	5.5	11
23	Micro-Raman spectroscopy of Pd-B/SiO2 amorphous alloy catalyst. Journal of Raman Spectroscopy, 2000, 31, 1051-1055.	2.5	10
24	Structure and Photoluminescence of A Blueâ€Greenâ€Emitting Phosphor for Nearâ€<scp>UV</scp> White <scp>LED</scp>s. Journal of the American Ceramic Society, 2014, 97, 2116-2123.	3.8	10
25	Efficiency enhancement of mono-Si solar cell with CdO nanotip antireflection and down-conversion layer. RSC Advances, 2014, 4, 51683-51687.	3.6	10
26	Preparation and properties of luminous materials of CaSiO3: Pb, Mn by sol-gel method. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2007, 2, 442-446.	0.4	8
27	Preparation and Application of Strong Nearâ€Infrared Emission Phosphor Sr₃SiO₅:Ce³⁺,Al³⁺,Nd³⁺. Journal of the American Ceramic Society, 2015, 98, 1836-1841.	3.8	8
28	Tunable morphologies, multicolor properties and applications of RE³⁺ doped NaY(MoO₄)₂ nanocrystals <i>via</i> a facile ligand-assisted reprecipitation process. Dalton Transactions, 2018, 47, 8697-8705.	3.3	8
29	One-pot solvothermal synthesis of singly doped Eu3+ and codoped Er3+, Yb3+ heavy rare earth oxysulfide Y2O2S nano-aggregates and their luminescence study. RSC Advances, 2014, 4, 57048-57053.	3.6	7
30	Tunable emission and applications of Ln3+ doped NaGd(WO4)2 nanocrystals via a facile solvothermal process. Ceramics International, 2019, 45, 16836-16841.	4.8	7
31	Greatly Enhanced Photovoltaic Performance of Crystalline Silicon Solar Cells via Metal Oxide. Nanomaterials, 2018, 8, 505.	4.1	6
32	Efficient polycrystalline silicon solar cells with double metal oxide layers. Dalton Transactions, 2019, 48, 3687-3694.	3.3	5
33	Morphological control and photoluminescence of ZnS:Mn microstructure. Journal of Materials Research, 2007, 22, 1207-1213.	2.6	3
34	A highly efficient nano-graphite electron transport layer for high performance ZnO/Si solar cells. Sustainable Energy and Fuels, 2018, 2, 820-826.	4.9	3
35	Multicolor properties and applications of Ln³⁺ doped hierarchical NaY(WO₄)₂<i>via</i> a facile solvothermal process. CrystEngComm, 2019, 21, 3056-3063.	2.6	3
36	Solidâ€State Reactions of Lanthanide(III) with Sodium Salicylate and 8â€Hydroxyquinoline at Room Temperature. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2004, 34, 67-77.	1.8	2

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37	Study on the fluorescence and thermal stability of hybrid materials Eu(Phen)2Cl3/MCM-41. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2009, 4, 149-153.	0.4	2
38	Si nanocorals/PbS quantum dots composited high efficiency c-Si solar cell. RSC Advances, 2014, 4, 14862-14867.	3.6	2
39	Preparation of SiO₂/dye luminescent nanoparticles and their application in light-converting films. RSC Advances, 2014, 4, 50086-50090.	3.6	0
40	Preparation and photoelectric properties of the polycrystalline silicon solar cells depositing Sb2O x nano-films. Australian Journal of Chemistry, 2022, , .	0.9	0
41	Synthesis of CaWO ₄ :Ln ³⁺ nanocomposites with high transparency via ligandâ€assisted reâ€precipitation method. Journal of the American Ceramic Society, 2022, 105, 4208-4218.	3.8	0