Zhan-Chao Wu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2445982/publications.pdf

Version: 2024-02-01

50 papers	1,423 citations	304743 22 h-index	345221 36 g-index
50 all docs	50 docs citations	50 times ranked	1390 citing authors

#	Article	IF	Citations
1	Preparation of triethylene-tetramine grafted magnetic chitosan for adsorption of Pb(II) ion from aqueous solutions. Journal of Hazardous Materials, 2013, 260, 210-219.	12.4	159
2	A new single-host white-light-emitting BaSrMg(PO4)2: Eu2+ phosphor for white-light-emitting diodes. Journal of Alloys and Compounds, 2010, 498, 139-142.	5.5	84
3	Thermally stable luminescence of SrMg2(PO4)2: Eu2+ phosphor for white light NUV light-emitting diodes. Chemical Physics Letters, 2008, 466, 88-90.	2.6	70
4	A zero-thermal-quenching and color-tunable phosphor LuVO4: Bi3+, Eu3+ for NUV LEDs. Dyes and Pigments, 2018, 156, 67-73.	3.7	67
5	Dopant preferential site occupation and high efficiency white emission in K₂BaCa(PO₄)₂:Eu²⁺,Mn²⁺ phosphors for high quality white LED applications. Inorganic Chemistry Frontiers, 2019, 6, 1289-1298.	6.0	65
6	High-efficient and pH-sensitive orange luminescence from silicon-doped carbon dots for information encryption and bio-imaging. Journal of Colloid and Interface Science, 2022, 607, 16-23.	9.4	63
7	A facile synthesis of high-efficient N,S co-doped carbon dots for temperature sensing application. Dyes and Pigments, 2020, 173, 107952.	3.7	55
8	Preparation, characterization and photoluminescence properties of BaB2O4: Eu3+ red phosphor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1520-1523.	3.9	52
9	A new porous magnetic chitosan modified by melamine for fast and efficient adsorption of Cu(II) ions. International Journal of Biological Macromolecules, 2015, 81, 838-846.	7.5	51
10	Insight into temperature-dependent photoluminescence of LaOBr: Ce3+, Tb3+ phosphor as a ratiometric and colorimetric luminescent thermometer. Dyes and Pigments, 2017, 145, 476-485.	3.7	48
11	The reduction of Eu3+ to Eu2+ in a new orangeâ€“red emission Sr3P4O13: Eu phosphor prepared in air and its photoluminescence properties. Ceramics International, 2014, 40, 8827-8831.	4.8	45
12	A new self-activated yellow-emitting phosphor Zn2V2O7 for white LED. Optik, 2013, 124, 5517-5519.	2.9	39
13	High-efficient and thermal-stable Ca19Zn2(PO4)14: Eu2+, Mn2+ blue-red dual-emitting phosphor for plant cultivation LEDs. Journal of Alloys and Compounds, 2019, 811, 151956.	5.5	38
14	Removal of Cu(II) ions from aqueous water by l -arginine modifying magnetic chitosan. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 499, 141-149.	4.7	34
15	Ultrahigh-Energy-Transfer Efficiency and Efficient Mn²⁺ Red Emission Realized by Structural Confinement in Ca₉LiMn(PO₄)₇:Eu²⁺,Tb³⁺ Phosphor. Inorganic Chemistry, 2020, 59, 15050-15060.	4.0	32
16	A yellow-emitting nitrogen-doped carbon dots for sensing of vitamin B12 and their cell-imaging. Dyes and Pigments, 2020, 176, 108227.	3.7	32
17	Tuning of photoluminescence by co-doping Eu 2+ , Eu 3+ and Tb 3+ in Ca 9 NaZn(PO 4) 7 phosphor. Dyes and Pigments, 2018, 150, 275-283.	3.7	29
18	Improved photoluminescence properties of a new green SrB2O4:Tb3+ phosphor by charge compensation. Materials Research Bulletin, 2012, 47, 3413-3416.	5.2	28

#	Article	IF	Citations
19	Optimized photoluminescence of SrB2O4:Eu3+ red-emitting phosphor by charge compensation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 87, 228-231.	3.9	28
20	A high-sensitive ratiometric luminescent thermometer based on dual-emission of carbon dots/Rhodamine B nanocomposite. Journal of Colloid and Interface Science, 2019, 552, 572-582.	9.4	28
21	Improving moisture stability of SrLiAl3N4:Eu2+ through phosphor-in-glass approach to realize its application in plant growing LED device. Journal of Colloid and Interface Science, 2019, 545, 195-199.	9.4	24
22	Synthesis, structure and luminescence of a high-purity and thermal-stable Sr9LiMg(PO4)7: Eu3+ red phosphor. Ceramics International, 2020, 46, 11994-12000.	4.8	22
23	Study on luminescence and thermal stability of blue-emitting Sr 5 (PO 4) 3 F: Eu 2+ phosphor for application in InGaN-based LEDs. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 221, 10-16.	3.5	21
24	Concentration quenching and thermal stability of Eu2+ emission in green emitting phosphor Li2BaSiO4: Eu2+. Solid State Sciences, 2020, 99, 106050.	3.2	21
25	High-efficiency methanol oxidation electrocatalysts realized by ultrathin PtRuMâ€“O (M = Ni, Fe, Co) nanosheets. Chemical Communications, 2020, 56, 9028-9031.	4.1	19
26	An insight of luminescence properties of Bi3+-activated K2BaCa(PO4)2 phosphors. Solid State Sciences, 2019, 92, 1-5.	3.2	18
27	Preparation and thermally stable luminescence properties of a new blue Sr5Cl0.75F0.25(PO4)3: Eu2+ phosphor for WLEDs. Journal of Alloys and Compounds, 2015, 644, 274-279.	5.5	17
28	Photoluminescence properties and thermal stability of blue-emitting Ba 5â^'x Cl(PO 4) 3 : x Eu 2+ (0.004) Tj ETQq0 0 0 rgBT /Overlock 1 171, 126-131.	3.9	17
29	Synthesis, structure and luminescent properties of Eu3+ doped Ca3LiMgV3O12 color-tunable phosphor. Ceramics International, 2018, 44, 16514-16521.	4.8	17
30	Cationic substitution induced tuning of photoluminescence in Ba2.94-2La Na P4O13: 0.06Eu phosphors for WLEDs. Journal of Alloys and Compounds, 2020, 835, 155109.	5.5	16
31	Luminescent properties of Eu2+ in BaCdP2O7: Eu2+ phosphor: Experimental and theoretical analysis. Dyes and Pigments, 2018, 149, 158-166.	3.7	15
32	Achieving greenâ€“red-tunable emission through Tb3+â€“Eu3+ energy transfer in Sr3Y2(Si3O9)2: Tb3+, Eu3+ phosphors. Journal of Materials Science, 2018, 53, 3613-3623.	3.7	15
33	Synthesis, crystal structure and photoluminescence properties of new blue-green Ba1â^'x(PO3)2:Eux2+ (0 < x â‰¤ 0.040) phosphors for near ultraviolet based white light-emitting diodes. RSC Advances, 2015, 5, 42714-42720.	3.6	14
34	Tuning of photoluminescence by crystal-phase engineering in the Ba3P4O13:Eu2+ phosphor. Journal of Alloys and Compounds, 2018, 734, 43-47.	5.5	14
35	Study on the photoluminescence properties of a color-tunable Ca9ZnK(PO4)7: Eu3+ phosphor. Optik, 2016, 127, 4039-4042.	2.9	13
36	A novel green BaZn2(BO3)2:Eu2+ phosphor for n-UV pumped white light-emitting diodes. Journal of Luminescence, 2017, 190, 424-428.	3.1	13

#	Article	IF	Citations
37	Na2Tb0.5(MoO4)(PO4):0.5Eu3+: A red-emitting phosphor with both high thermal stability and high colour purity. Optical Materials, 2019, 97, 109376.	3.6	12
38	The effects of charge compensation on photoluminescence properties of a new greenâ€emitting ZnB₂O₄:Tb³⁺ phosphor. Luminescence, 2014, 29, 868-871.	2.9	11
39	Efficient and tunable Mn2+ sensitized luminescence via energy transfer of a novel red phosphor Ca19Mn2(PO4)14: Eu2+ for white LED. Ceramics International, 2022, 48, 15695-15702.	4.8	11
40	Synthesis and enhanced photo/thermal stability of high-luminescent red-emitting CdTe@CaCO3 composite for LED applications. Ceramics International, 2019, 45, 6484-6490.	4.8	10
41	Study on synthesis, optimization and concentration quenching mechanism of deep-blue-emitting BaNa(B3O5)3:Eu2+ phosphor. Optik, 2018, 154, 421-427.	2.9	8
42	Sr3(Y,Eu)(BO3)3: A thermal-stable red-emitting solid-solution phosphor for NUV LED. Ceramics International, 2019, 45, 22517-22522.	4.8	8
43	(Ca_{0.8}Mg_{0.2}Cl₂/SiO₂):Eu²⁺: a violet-blue emitting phosphor with a low UV content for UV-LED based phototherapy illuminators. New Journal of Chemistry, 2019, 43, 3921-3926.	2.8	8
44	Enhanced photoluminescence quantum yield of redâ€emitting CdTe:Gd³⁺ QDs for WLEDs applications. Journal of the American Ceramic Society, 2020, 103, 3147-3156.	3.8	7
45	Preparation and photoluminescence properties of a new orangeâ€“red Ba3P4O13:Eu3+ phosphor. Optik, 2014, 125, 2970-2973.	2.9	6
46	Enhanced absorption of Sr3Lu2(BO3)4:Ce3+,Tb3+ phosphor with energy transfer for UV-pumped white LEDs. Journal of Alloys and Compounds, 2019, 789, 215-220.	5.5	6
47	Bright and thermal-stable RGB emission realized by Eu2+-Tb3+/Mn2+ energy transfer in Na3SrMg11(PO4)9. Journal of Alloys and Compounds, 2021, 874, 159975.	5.5	6
48	Tunable photoluminescence and energy transfer of Sr9LiMg(PO4)7: Ce3+/Tb3+/Mn2+ phosphors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 235, 118317.	3.9	4
49	New blue-emitting Ca2(1)B2P2O10:2xEu2+ (0.005 â‰¤xâ‰¤ 0.030) phosphors: Synthesis and photoluminescence properties. Optik, 2016, 127, 8281-8286.	2.9	2
50	Synthesis and investigation of orange-emitting Eu2+ doped Ba4Li2B10O20 phosphor. Journal of Luminescence, 2019, 216, 116746.	3.1	1