Chengyu Li

List of Publications by Year
in descending order

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83 papers	2,774 citations	172457 29 h-index	197818 49 g-index
84 all docs	84 docs citations	84 times ranked	2142 citing authors

#	Article	IF	Citations
1	Oneâ€Dimensional Fe₂P Acts as a Fenton Agent in Response to NIRâ€…II Light and Ultrasound for Deep Tumor Synergetic Theranostics. Angewandte Chemie - International Edition, 2019, 58, 2407-2412.	13.8	315
2	A novel blue-emitting long-lasting proyphosphate phosphor Sr2P2O7:Eu2+,Y3+. Journal of Physics and Chemistry of Solids, 2009, 70, 303-306.	4.0	199
3	Sr_{1.7}Zn_{0.3}CeO₄: Eu³⁺ Novel Red-Emitting Phosphors: Synthesis and Photoluminescence Properties. ACS Applied Materials & Interfaces, 2014, 6, 3163-3169.	8.0	143
4	Synthesis and Luminescence Properties of Bi³⁺-Activated K₂MgGeO₄: A Promising High-Brightness Orange-Emitting Phosphor for WLEDs Conversion. Inorganic Chemistry, 2018, 57, 12303-12311.	4.0	142
5	Sr₉Mg_{1.5}(PO₄)₇:Eu²⁺: A Novel Broadband Orange-Yellow-Emitting Phosphor for Blue Light-Excited Warm White LEDs. ACS Applied Materials & Interfaces, 2015, 7, 25219-25226.	8.0	110
6	Investigation of a novel color tunable long afterglow phosphor KGaGeO₄:Bi³⁺: luminescence properties and mechanism. Journal of Materials Chemistry C, 2017, 5, 1346-1355.	5.5	83
7	Electronic structure and photoluminescence properties of a novel single-phased color tunable phosphor KAlGeO4:Bi3+,Eu3+ for WLEDs. Journal of Alloys and Compounds, 2019, 774, 477-486.	5.5	69
8	Structural Micromodulation on Bi³⁺-Doped Ba₂Ga₂GeO₇ Phosphor with Considerable Tunability of the Defect-Oriented Optical Properties. ACS Applied Electronic Materials, 2019, 1, 229-237.	4.3	67
9	Tri-chromatic white-light emission from a single-phase Ca₉Sc(PO₄)₇:Eu²⁺,Tb³⁺,Mn²⁺ phosphor for LED applications. Dalton Transactions, 2015, 44, 17241-17250.	3.3	66
10	Multi-color long-lasting phosphorescence in Mn2+-doped ZnOâ€“B2O3â€“SiO2 glassâ€“ceramics. Materials Research Bulletin, 2002, 37, 1443-1449.	5.2	55
11	Photo-stimulated long-lasting phosphorescence in Mn2+-doped zinc borosilicate glasses. Journal of Non-Crystalline Solids, 2003, 321, 191-196.	3.1	54
12	Carbon Dots-in-Zeolite via In-Situ Solvent-Free Thermal Crystallization: Achieving High-Efficiency and Ultralong Afterglow Dual Emission. CCS Chemistry, 2020, 2, 118-127.	7.8	50
13	Luminescent properties of a new blue long-lasting phosphor Ca2P2O7:Eu2+, Y3+. Materials Chemistry and Physics, 2009, 113, 215-218.	4.0	47
14	Thermoluminescence characteristics of terbium-doped Ba2Ca(BO3)2phosphor. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 2800-2806.	1.8	46
15	Design of broadband near-infrared Y_{0.57}La_{0.72}Sc_{2.71}(BO₃)₄:Cr³⁺ phosphors based on one-site occupation and their application in NIR light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 11761-11771.	5.5	46
16	Preparation and luminescence properties of orange-red Ba 3 Y 4 O 9 :Sm 3+ phosphors. Journal of Rare Earths, 2018, 36, 680-684.	4.8	45
17	Commendable Pr³⁺-activated Ba₂Ga₂GeO₇ phosphor with high-brightness white long-persistent luminescence. Journal of Materials Chemistry C, 2019, 7, 6698-6705.	5.5	44
18	Oneâ€Dimensional Fe₂P Acts as a Fenton Agent in Response to NIRâ€…II Light and Ultrasound for Deep Tumor Synergetic Theranostics. Angewandte Chemie, 2019, 131, 2429-2434.	2.0	44

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19	Design of a Novel Near-Infrared Luminescence Material Li₂Mg₃TiO₆:Cr³⁺ with an Ultrawide Tuning Range Applied to Near-Infrared Light-Emitting Diodes. ACS Sustainable Chemistry and Engineering, 2022, 10, 3839-3850.	6.7	43
20	Sunlight activated new long persistent luminescence phosphor BaSiO 3 :Eu 2+ ,Nd 3+ ,Tm 3+ : Optical properties and mechanism. Materials and Design, 2016, 90, 218-224.	7.0	42
21	A strategy for developing thermal-quenching-resistant emission and super-long persistent luminescence in BaGa₂O₄:Bi³⁺. Journal of Materials Chemistry C, 2019, 7, 13088-13096.	5.5	42
22	In Situ Embedding Synthesis of Highly Stable CsPbBr₃/CsPb₂Br₅@PbBr(OH) Nano/Microspheres through Water Assisted Strategy. Advanced Functional Materials, 2021, 31, 2103275.	14.9	42
23	Blue long lasting phosphorescence of Tm3+ in zinc pyrophosphate phosphor. Journal of Alloys and Compounds, 2009, 471, 364-367.	5.5	39
24	Enhanced blue-light excited cyan-emitting persistent luminescence of BaLu2Al2Ga2SiO12:Ce3+, Bi3+ phosphors for AC-LEDs via defect modulation. Light: Science and Applications, 2022, 11, .	16.6	39
25	Recent developments and emerging trends of mass spectrometric methods in plant hormone analysis: a review. Plant Methods, 2020, 16, 54.	4.3	36
26	Reddish orange long lasting phosphorescence of Sm3+ in Sr2ZnSi2O7:Sm3+ phosphors. Journal of Rare Earths, 2010, 28, 705-708.	4.8	34
27	Tunable long lasting phosphorescence due to the selective energy transfer from defects to luminescent centres via tunnelling in Mn2+ and Tm3+ co-doped zinc pyrophosphate. Dalton Transactions, 2014, 43, 9661.	3.3	33
28	Double perovskite Cs₂NaInCl₆ nanocrystals with intense dual-emission via self-trapped exciton-to-Tb³⁺ dopant energy transfer. Journal of Materials Chemistry C, 2022, 10, 10609-10615.	5.5	32
29	Design of a mixed-anionic-ligand system for a blue-light-excited orange-yellow emission phosphor Ba_{1.31}Sr_{3.69}(BO₃)₃Cl:Eu²⁺. Journal of Materials Chemistry C, 2020, 8, 3040-3050.	5.5	31
30	Intense UV long persistent luminescence benefiting from the coexistence of Pr³⁺/Pr⁴⁺ in a praseodymium-doped BaLu₂Al₂Ga₂SiO₁₂ phosphor. Journal of Materials Chemistry C, 2021, 9, 5206-5216.	5.5	31
31	Embellishment of Upconversion Nanoparticles with Ultrasmall Perovskite Quantum Dots for Fullâ€Color Tunable, Dualâ€Modal Luminescence Anticounterfeiting. Advanced Optical Materials, 2021, 9, 2100814.	7.3	31
32	Eu3+ doped Sr2CeO4 phosphors for thermometry: single-color or two-color fluorescence based temperature characterization. RSC Advances, 2011, 1, 298.	3.6	30
33	A highly efficient narrow-band blue phosphor of Bi3+-activated cubic borate Ba3Lu2B6O15 towards backlight display applications. Chemical Engineering Journal, 2022, 432, 134265.	12.7	28
34	Cr³⁺-doped borate phosphors for broadband near-infrared LED applications. Inorganic Chemistry Frontiers, 2022, 9, 2240-2251.	6.0	27
35	Selective enhancement of green upconversion luminescence from NaYF4:Yb, Er microparticles through Ga3+ doping for sensitive temperature sensing. Journal of Luminescence, 2019, 215, 116632.	3.1	26
36	Luminescence properties of a novel reddish orange long-lasting phosphorescence phosphor Zn₂P₂O₇:Sm³⁺,Li⁺. RSC Advances, 2015, 5, 82704-82710.	3.6	25

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37	Design of white-emitting optical temperature sensor based on energy transfer in a Bi³⁺, Eu³⁺ and Tb³⁺ doped YBO₃ crystal. Journal of Materials Chemistry C, 2021, 9, 7264-7273.	5.5	24
38	Green photoluminescence, but blue afterglow of Tb3+ activated Sr4Al14O25. Journal of Luminescence, 2010, 130, 2223-2225.	3.1	22
39	Energy transfer and excitation wavelength dependent long-lasting phosphorescence in Pr3+ activated Y3Al5O12. Journal of Luminescence, 2011, 131, 2730-2734.	3.1	21
40	Synthesis, structure and optical properties of novel thermally robust Dy3+-doped Ca9Sc(PO4)7 phosphors for NUV-excited white LEDs. Journal of Rare Earths, 2021, 39, 277-283.	4.8	21
41	Redshift phenomenon of the excitation light of long life emission phosphor. Applied Physics Letters, 2006, 88, 241107.	3.3	20
42	Novel energy transfer mechanism in single-phased color-tunable Sr2CeO4:Eu3+ phosphors for WLEDs. Optical Materials, 2014, 36, 1883-1889.	3.6	18
43	Investigation on the photoluminescence and thermoluminescence of BaGa₂O₄:Bi³⁺ at extremely low temperatures. Journal of Materials Chemistry C, 2021, 9, 1786-1793.	5.5	18
44	Eu3+-doped BaLiZn3(BO3)3: A novel red-emitting phosphor for blue chips excited white LEDs. Journal of Rare Earths, 2022, 40, 1014-1021.	4.8	18
45	Luminescence properties of a new bluish green long-lasting phosphorescence phosphor Ca9Bi(PO4)7:Eu2+,Dy3+. Optical Materials, 2014, 36, 1781-1786.	3.6	17
46	A convenient and efficient synthesis method to improve the emission intensity of rare earth ion doped phosphors: the synthesis and luminescent properties of novel SrO:Ce³⁺ phosphor. RSC Advances, 2015, 5, 93951-93956.	3.6	17
47	Yolkâ€“shell nanoarchitecture for stabilizing a Ce₂S₃ anode. , 2021, 3, 709-720.		17
48	A novel dichromic self-referencing optical probe SrO:Bi³⁺,Eu³⁺ for temperature spatially and temporally imaging. Dalton Transactions, 2016, 45, 13317-13323.	3.3	15
49	Study of a color-tunable long afterglow phosphor Gd_{1.5}Y_{1.5}Ga₃Al₂O₁₂:Tb³⁺: luminescence properties and mechanism. RSC Advances, 2020, 10, 28049-28058.	3.6	15
50	Effects of distorted lattice and nonequal-valence substitution on the long lasting phosphorescence of Eu2+ and Gd3+ doped RMg2(PO4)2 (R=Sr,Ba) phosphors. Journal of Applied Physics, 2010, 108, 043101.	2.5	14
51	Influence of charge compensators on photoluminescence properties of Sr2CeO4:Eu3+. Materials Letters, 2015, 139, 258-261.	2.6	14
52	Intense redâ€“green up-conversion emission and their mechanisms of SrO: Er3+/Yb3+, Gd3+, Lu3+, Bi3+. Journal of Luminescence, 2017, 181, 240-245.	3.1	14
53	Decoration of upconversion nanocrystals with metal sulfide quantum dots by a universal in situ controlled growth strategy. Nanoscale, 2020, 12, 3977-3987.	5.6	13
54	Synthesis and luminescence properties of a broadband near-infrared emitting non-gallate persistent luminescence Mg_{1.4}Zn_{0.6}SnO₄:Cr³⁺ phosphor. Dalton Transactions, 2021, 50, 5666-5675.	3.3	13

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55	Efficient Cr³⁺-activated NaInP₂O₇ phosphor for broadband near-infrared LED applications. Inorganic Chemistry Frontiers, 2022, 9, 3692-3701.	6.0	13
56	A novel near-infrared phosphor Mg₂InSbO₆:Cr³⁺ with high quantum efficiency and considerable persistent luminescence duration. Journal of Materials Chemistry C, 2022, 10, 10047-10057.	5.5	13
57	Local Supersaturation Dictated Branching and Faceting of Submicrometer PbS Particles with Cubic Growth Habit. Inorganic Chemistry, 2014, 53, 11484-11491.	4.0	12
58	Synthesis and Photoluminescence Properties of a Redâ€Emitting Phosphor Sr₉Mg_{1.5}(PO₄)₇:Eu³⁺. ChemistrySelect, 2016, 1, 462-468.	1.5	12
59	Simultaneous Enhancement of Photoluminescence and Stability of CsPbCl₃ Perovskite Enabled by Titanium Ion Dopant. Journal of Physical Chemistry Letters, 2021, 12, 10746-10752.	4.6	12
60	Low-concentration Ce3+-activated ScCaO(BO3) blue-cyan phosphor with high efficiency toward full-spectrum white LED applications. Materials Today Chemistry, 2022, 26, 101030.	3.5	12
61	Near infrared long lasting emission of Yb3+ and its influence on the optical storage ability of Mn2+-activated zinc borosilicate glasses. Journal of Applied Physics, 2007, 101, 113304.	2.5	11
62	A new blue long-lasting phosphorescence phosphor Mg2SnO4:Bi3+: synthesis and luminescence properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 4163-4170.	2.2	10
63	Energy transfer and luminescence properties of a green-to-red color tunable phosphor Sr8MgY(PO4)7:Tb3+,Eu3+. Journal of Materials Science: Materials in Electronics, 2019, 30, 9421-9428.	2.2	10
64	Lanthanide-doped bismuth-based fluoride nanoparticles: controlled synthesis and ratiometric temperature sensing. CrystEngComm, 2020, 22, 3432-3438.	2.6	10
65	Single-phase white-emitting and tunable color phosphor Na3Sc2(PO4)3:Eu2+,Dy3+: Synthesis, luminescence and energy transfer. Journal of Rare Earths, 2022, 40, 551-558.	4.8	10
66	Regulating chromium ions site occupancy and enhancing near-infrared luminescence properties of Sr2P2O7:Cr3+ phosphor through synthesizing under reduction atmosphere. Materials Research Bulletin, 2022, 149, 111710.	5.2	10
67	Developing near-infrared long-lasting phosphorescence of Yb³⁺ through a medium: insights into energy transfer in the novel material Zn_{1.98}Li_{0.02}P₂O₇:Yb³⁺. Dalton Transactions, 2018, 47, 9814-9823.	3.3	9
68	Multivariant ligands stabilize anionic solvent-oriented Î±-CsPbX₃nanocrystals at room temperature. Nanoscale, 2021, 13, 4899-4910.	5.6	9
69	Origin of Color Centers in the Perovskite Oxide CeAlO₃. ChemPlusChem, 2018, 83, 976-983.	2.8	8
70	Sr_{1.7}Zn_{0.3}CeO₄F_{0.2}:Eu³⁺: novel dual-emission temperature sensors for remote, noncontact thermometric application. RSC Advances, 2017, 7, 9645-9652.	3.6	7
71	Precise Control of the Lateral and Vertical Growth of Twoâ€Dimensional Ag Nanoplates. Chemistry - A European Journal, 2017, 23, 10001-10006.	3.3	7
72	Tuning emission color and improving the warm-white persistent luminescence of phosphor BaLu₂Al₂Ga₂SiO₁₂:Pr³⁺via Zn²⁺ co-doping. Dalton Transactions, 2021, 50, 12137-12146.	3.3	7

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73	Design and synthesis of a novel blue-emitting CaNaSb₂O₆F:Bi³⁺ phosphor for optical temperature sensing. Dalton Transactions, 2022, 51, 6908-6917.	3.3	7
74	A novel green long-lasting phosphorescence phosphor Ca14Mg2(SiO4)8:Eu2+, Dy3+. Optical Materials, 2014, 36, 1841-1845.	3.6	6
75	Material and Ingenious Synthesis Strategy for Short-Wavelength Infrared Light-Emitting Device. Inorganic Chemistry, 2016, 55, 11258-11263.	4.0	6
76	Reduction of Eu³⁺ due to a change of the topological structure of the BO₃ unit in borate glass. Dalton Transactions, 2015, 44, 17916-17919.	3.3	4
77	A self-defined intermediate product captured from the evolution process from a six-pod to an octahedral PbS sub-micrometer particle. CrystEngComm, 2017, 19, 2195-2201.	2.6	4
78	Ionic liquid-assisted hydrothermal synthesis and luminescence properties of Na3Y1â^'x(PO4)2: xTb3+ phosphors. Journal of Materials Science: Materials in Electronics, 2020, 31, 19159-19167.	2.2	4
79	Tunable ultra-uniform Cs₄PbBr₆ perovskites with efficient photoluminescence and excellent stability for high-performance white light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 12811-12818.	5.5	4
80	Effect of Pr3+ concentration on the luminescent properties of Ca2LuScGa2Ge2O12 compound with garnet structure. Journal of Solid State Chemistry, 2022, 306, 122758.	2.9	4
81	Direction-Controlled Growth of Five-Fold Ag and Ag/Au Nanocrystals: Implications for Transparent Conductive Films. ACS Applied Nano Materials, 2022, 5, 957-964.	5.0	3
82	Ligand-Induced Nucleation Growth Kinetics of CdTe QDs: Implications for White-Light-Emitting Diodes. ACS Applied Nano Materials, 2022, 5, 401-410.	5.0	3
83	Back Cover Image, Volume 3, Number 5, October 2021. , 2021, 3, ii.		0