

Chengyu Li

List of Publications by Year in descending order

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83
papers

2,774
citations

172457

29
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49
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84
all docs

84
docs citations

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times ranked

2142
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-phase white-emitting and tunable color phosphor $\text{Na}_3\text{Sc}_2(\text{PO}_4)_3:\text{Eu}^{2+},\text{Dy}^{3+}$: Synthesis, luminescence and energy transfer. <i>Journal of Rare Earths</i> , 2022, 40, 551-558.	4.8	10
2	Eu^{3+} -doped $\text{BaLiZn}_3(\text{BO}_3)_3$: A novel red-emitting phosphor for blue chips excited white LEDs. <i>Journal of Rare Earths</i> , 2022, 40, 1014-1021.	4.8	18
3	Effect of Pr^{3+} concentration on the luminescent properties of $\text{Ca}_2\text{LuScGa}_2\text{Ge}_2\text{O}_{12}$ compound with garnet structure. <i>Journal of Solid State Chemistry</i> , 2022, 306, 122758.	2.9	4
4	A highly efficient narrow-band blue phosphor of Bi^{3+} -activated cubic borate $\text{Ba}_3\text{Lu}_2\text{B}_6\text{O}_{15}$ towards backlight display applications. <i>Chemical Engineering Journal</i> , 2022, 432, 134265.	12.7	28
5	Regulating chromium ions site occupancy and enhancing near-infrared luminescence properties of $\text{Sr}_2\text{P}_2\text{O}_7:\text{Cr}^{3+}$ phosphor through synthesizing under reduction atmosphere. <i>Materials Research Bulletin</i> , 2022, 149, 111710.	5.2	10
6	Direction-Controlled Growth of Five-Fold Ag and Ag/Au Nanocrystals: Implications for Transparent Conductive Films. <i>ACS Applied Nano Materials</i> , 2022, 5, 957-964.	5.0	3
7	Ligand-Induced Nucleation Growth Kinetics of CdTe QDs: Implications for White-Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2022, 5, 401-410.	5.0	3
8	Design and synthesis of a novel blue-emitting $\text{CaNaSb}_2\text{O}_6:\text{F}:\text{Bi}^{3+}$ phosphor for optical temperature sensing. <i>Dalton Transactions</i> , 2022, 51, 6908-6917.	3.3	7
9	Cr^{3+} -doped borate phosphors for broadband near-infrared LED applications. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2240-2251.	6.0	27
10	Design of a Novel Near-Infrared Luminescence Material $\text{Li}_2\text{Mg}_3\text{TiO}_6:\text{Cr}^{3+}$ with an Ultrawide Tuning Range Applied to Near-Infrared Light-Emitting Diodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3839-3850.	6.7	43
11	Efficient Cr^{3+} -activated NaInP_2O_7 phosphor for broadband near-infrared LED applications. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3692-3701.	6.0	13
12	A novel near-infrared phosphor $\text{Mg}_2\text{InSbO}_6:\text{Cr}^{3+}$ with high quantum efficiency and considerable persistent luminescence duration. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10047-10057.	5.5	13
13	Enhanced blue-light excited cyan-emitting persistent luminescence of $\text{BaLu}_2\text{Al}_2\text{Ga}_2\text{SiO}_{12}:\text{Ce}^{3+}, \text{Bi}^{3+}$ phosphors for AC-LEDs via defect modulation. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	39
14	Double perovskite $\text{Cs}_2\text{NaInCl}_6$ nanocrystals with intense dual-emission <i>via</i> self-trapped exciton-to- Tb^{3+} dopant energy transfer. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10609-10615.	5.5	32
15	Low-concentration Ce^{3+} -activated $\text{ScCaO}(\text{BO}_3)$ blue-cyan phosphor with high efficiency toward full-spectrum white LED applications. <i>Materials Today Chemistry</i> , 2022, 26, 101030.	3.5	12
16	Synthesis, structure and optical properties of novel thermally robust Dy^{3+} -doped $\text{Ca}_9\text{Sc}(\text{PO}_4)_7$ phosphors for NUV-excited white LEDs. <i>Journal of Rare Earths</i> , 2021, 39, 277-283.	4.8	21
17	Tunable ultra-uniform Cs_4PbBr_6 perovskites with efficient photoluminescence and excellent stability for high-performance white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12811-12818.	5.5	4
18	Multivalent ligands stabilize anionic solvent-oriented $\text{I}^\pm\text{-CsPbX}_3$ nanocrystals at room temperature. <i>Nanoscale</i> , 2021, 13, 4899-4910.	5.6	9

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19	Investigation on the photoluminescence and thermoluminescence of BaGa ₂ O ₄ :Bi ³⁺ at extremely low temperatures. Journal of Materials Chemistry C, 2021, 9, 1786-1793.	5.5	18
20	Intense UV long persistent luminescence benefiting from the coexistence of Pr ³⁺ /Pr ⁴⁺ in a praseodymium-doped BaLu ₂ Al ₂ Ga ₂ SiO ₁₂ phosphor. Journal of Materials Chemistry C, 2021, 9, 5206-5216.	5.5	31
21	Design of broadband near-infrared Y _{0.57} La _{0.72} Sc _{2.71} (BO ₃) ₄ :Cr ³⁺ 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
22	Tuning emission color and improving the warm-white persistent luminescence of phosphor BaLu ₂ Al ₂ Ga ₂ SiO ₁₂ :Pr ³⁺ via Zn ²⁺ co-doping. Dalton Transactions, 2021, 50, 12137-12146.	3.3	7
23	In Situ Embedding Synthesis of Highly Stable CsPbBr ₃ /CsPb ₂ Br ₅ @PbBr(OH) Nano/Microspheres through Water Assisted Strategy. Advanced Functional Materials, 2021, 31, 2103275.	14.9	42
24	Yolk-shell nanoarchitecture for stabilizing a Ce ₂ S ₃ anode. , 2021, 3, 709-720.		17
25	Embellishment of Upconversion Nanoparticles with Ultrasmall Perovskite Quantum Dots for Full-Color Tunable, Dual-Modal Luminescence Anticounterfeiting. Advanced Optical Materials, 2021, 9, 2100814.	7.3	31
26	Design of white-emitting optical temperature sensor based on energy transfer in a Bi ³⁺ , Eu ³⁺ and Tb ³⁺ doped YBO ₃ crystal. Journal of Materials Chemistry C, 2021, 9, 7264-7273.	5.5	24
27	Synthesis and luminescence properties of a broadband near-infrared emitting non-gallate persistent luminescence Mg _{1.4} Zn _{0.6} SnO ₄ :Cr ³⁺ phosphor. Dalton Transactions, 2021, 50, 5666-5675.	3.3	13
28	Back Cover Image, Volume 3, Number 5, October 2021. , 2021, 3, ii.		0
29	Simultaneous Enhancement of Photoluminescence and Stability of CsPbCl ₃ Perovskite Enabled by Titanium Ion Dopant. Journal of Physical Chemistry Letters, 2021, 12, 10746-10752.	4.6	12
30	Decoration of upconversion nanocrystals with metal sulfide quantum dots by a universal <i>in situ</i> controlled growth strategy. Nanoscale, 2020, 12, 3977-3987.	5.6	13
31	Design of a mixed-anionic-ligand system for a blue-light-excited orange-yellow emission phosphor Ba _{1.31} Sr _{3.69} (BO ₃) ₃ Cl:Eu ²⁺ . Journal of Materials Chemistry C, 2020, 8, 3040-3050.	5.5	31
32	Study of a color-tunable long afterglow phosphor Gd _{1.5} Y _{1.5} Ga ₃ Al ₂ O ₁₂ :Tb ³⁺ : luminescence properties and mechanism. RSC Advances, 2020, 10, 28049-28058.	3.6	15
33	Ionic liquid-assisted hydrothermal synthesis and luminescence properties of Na ₃ Y _{1-x} (PO ₄) ₂ : xTb ³⁺ phosphors. Journal of Materials Science: Materials in Electronics, 2020, 31, 19159-19167.	2.2	4
34	Lanthanide-doped bismuth-based fluoride nanoparticles: controlled synthesis and ratiometric temperature sensing. CrystEngComm, 2020, 22, 3432-3438.	2.6	10
35	Recent developments and emerging trends of mass spectrometric methods in plant hormone analysis: a review. Plant Methods, 2020, 16, 54.	4.3	36
36	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

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37	Selective enhancement of green upconversion luminescence from NaYF ₄ :Yb, Er microparticles through Ga ³⁺ doping for sensitive temperature sensing. <i>Journal of Luminescence</i> , 2019, 215, 116632.	3.1	26
38	Structural Micromodulation on Bi ³⁺ -Doped Ba ₂ Ga ₂ GeO ₇ Phosphor with Considerable Tunability of the Defect-Oriented Optical Properties. <i>ACS Applied Electronic Materials</i> , 2019, 1, 229-237.	4.3	67
39	Commendable Pr ³⁺ -activated Ba ₂ Ga ₂ GeO ₇ phosphor with high-brightness white long-persistent luminescence. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6698-6705.	5.5	44
40	Energy transfer and luminescence properties of a green-to-red color tunable phosphor Sr ₈ MgY(PO ₄) ₇ :Tb ³⁺ ,Eu ³⁺ . <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9421-9428.	2.2	10
41	A strategy for developing thermal-quenching-resistant emission and super-long persistent luminescence in BaGa ₂ O ₄ :Bi ³⁺ . <i>Journal of Materials Chemistry C</i> , 2019, 7, 13088-13096.	5.5	42
42	One-Dimensional Fe ₂ P Acts as a Fenton Agent in Response to NIR Light and Ultrasound for Deep Tumor Synergetic Theranostics. <i>Angewandte Chemie</i> , 2019, 131, 2429-2434.	2.0	44
43	One-Dimensional Fe ₂ P Acts as a Fenton Agent in Response to NIR Light and Ultrasound for Deep Tumor Synergetic Theranostics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2407-2412.	13.8	315
44	Electronic structure and photoluminescence properties of a novel single-phased color tunable phosphor KAlGeO ₄ :Bi ³⁺ ,Eu ³⁺ for WLEDs. <i>Journal of Alloys and Compounds</i> , 2019, 774, 477-486.	5.5	69
45	Preparation and luminescence properties of orange-red Ba ₃ Y ₄ O ₉ :Sm ³⁺ phosphors. <i>Journal of Rare Earths</i> , 2018, 36, 680-684.	4.8	45
46	A new blue long-lasting phosphorescence phosphor Mg ₂ SnO ₄ :Bi ³⁺ : synthesis and luminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4163-4170.	2.2	10
47	Origin of Color Centers in the Perovskite Oxide CeAlO ₃ . <i>ChemPlusChem</i> , 2018, 83, 976-983.	2.8	8
48	Synthesis and Luminescence Properties of Bi ³⁺ -Activated K ₂ MgGeO ₄ : A Promising High-Brightness Orange-Emitting Phosphor for WLEDs Conversion. <i>Inorganic Chemistry</i> , 2018, 57, 12303-12311.	4.0	142
49	Developing near-infrared long-lasting phosphorescence of Yb ³⁺ through a medium: insights into energy transfer in the novel material Zn _{1.98} Li _{0.02} P ₂ O ₇ :Yb ³⁺ . <i>Dalton Transactions</i> , 2018, 47, 9814-9823.	3.3	9
50	Sr _{1.7} Zn _{0.3} CeO ₄ F _{0.2} :Eu ³⁺ : novel dual-emission temperature sensors for remote, noncontact thermometric application. <i>RSC Advances</i> , 2017, 7, 9645-9652.	3.6	7
51	Precise Control of the Lateral and Vertical Growth of Two-Dimensional Ag Nanoplates. <i>Chemistry - A European Journal</i> , 2017, 23, 10001-10006.	3.3	7
52	A self-defined intermediate product captured from the evolution process from a six-pod to an octahedral PbS sub-micrometer particle. <i>CrystEngComm</i> , 2017, 19, 2195-2201.	2.6	4
53	Investigation of a novel color tunable long afterglow phosphor KGaGeO ₄ :Bi ³⁺ : luminescence properties and mechanism. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1346-1355.	5.5	83
54	Intense red "green up-conversion emission and their mechanisms of SrO: Er ³⁺ /Yb ³⁺ , Gd ³⁺ , Lu ³⁺ , Bi ³⁺ . <i>Journal of Luminescence</i> , 2017, 181, 240-245.	3.1	14

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55	Synthesis and Photoluminescence Properties of a Red-Emitting Phosphor $\text{Sr}_{0.9}\text{Mg}_{1.5}(\text{PO}_4)_7:\text{Eu}^{3+}$. ChemistrySelect, 2016, 1, 462-468.	1.5	12
56	Material and Ingenious Synthesis Strategy for Short-Wavelength Infrared Light-Emitting Device. Inorganic Chemistry, 2016, 55, 11258-11263.	4.0	6
57	A novel dichromic self-referencing optical probe $\text{SrO}:\text{Bi}^{3+},\text{Eu}^{3+}$ for temperature spatially and temporally imaging. Dalton Transactions, 2016, 45, 13317-13323.	3.3	15
58	Sunlight activated new long persistent luminescence phosphor $\text{BaSiO}_3:\text{Eu}^{2+},\text{Nd}^{3+},\text{Tm}^{3+}$: Optical properties and mechanism. Materials and Design, 2016, 90, 218-224.	7.0	42
59	Reduction of Eu^{3+} due to a change of the topological structure of the BO_3 unit in borate glass. Dalton Transactions, 2015, 44, 17916-17919.	3.3	4
60	A convenient and efficient synthesis method to improve the emission intensity of rare earth ion doped phosphors: the synthesis and luminescent properties of novel $\text{SrO}:\text{Ce}^{3+}$ phosphor. RSC Advances, 2015, 5, 93951-93956.	3.6	17
61	$\text{Sr}_{0.9}\text{Mg}_{1.5}(\text{PO}_4)_7:\text{Eu}^{2+}$: 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
62	Tri-chromatic white-light emission from a single-phase $\text{Ca}_9\text{Sc}(\text{PO}_4)_7:\text{Eu}^{2+},\text{Tb}^{3+},\text{Mn}^{2+}$ phosphor for LED applications. Dalton Transactions, 2015, 44, 17241-17250.	3.3	66
63	Luminescence properties of a novel reddish orange long-lasting phosphorescence phosphor $\text{Zn}_2\text{P}_2\text{O}_7:\text{Sm}^{3+},\text{Li}^{+}$. RSC Advances, 2015, 5, 82704-82710.	3.6	25
64	Influence of charge compensators on photoluminescence properties of $\text{Sr}_2\text{CeO}_4:\text{Eu}^{3+}$. Materials Letters, 2015, 139, 258-261.	2.6	14
65	Tunable long lasting phosphorescence due to the selective energy transfer from defects to luminescent centres via tunnelling in Mn^{2+} and Tm^{3+} co-doped zinc pyrophosphate. Dalton Transactions, 2014, 43, 9661.	3.3	33
66	Local Supersaturation Dictated Branching and Faceting of Submicrometer PbS Particles with Cubic Growth Habit. Inorganic Chemistry, 2014, 53, 11484-11491.	4.0	12
67	$\text{Sr}_{1.7}\text{Zn}_{0.3}\text{CeO}_4:\text{Eu}^{3+}$ Novel Red-Emitting Phosphors: Synthesis and Photoluminescence Properties. ACS Applied Materials & Interfaces, 2014, 6, 3163-3169.	8.0	143
68	A novel green long-lasting phosphorescence phosphor $\text{Ca}_{14}\text{Mg}_2(\text{SiO}_4)_8:\text{Eu}^{2+},\text{Dy}^{3+}$. Optical Materials, 2014, 36, 1841-1845.	3.6	6
69	Novel energy transfer mechanism in single-phased color-tunable $\text{Sr}_2\text{CeO}_4:\text{Eu}^{3+}$ phosphors for WLEDs. Optical Materials, 2014, 36, 1883-1889.	3.6	18
70	Luminescence properties of a new bluish green long-lasting phosphorescence phosphor $\text{Ca}_9\text{Bi}(\text{PO}_4)_7:\text{Eu}^{2+},\text{Dy}^{3+}$. Optical Materials, 2014, 36, 1781-1786.	3.6	17
71	Eu^{3+} doped Sr_2CeO_4 phosphors for thermometry: single-color or two-color fluorescence based temperature characterization. RSC Advances, 2011, 1, 298.	3.6	30
72	Energy transfer and excitation wavelength dependent long-lasting phosphorescence in Pr^{3+} activated $\text{Y}_3\text{Al}_5\text{O}_{12}$. Journal of Luminescence, 2011, 131, 2730-2734.	3.1	21

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73	Green photoluminescence, but blue afterglow of Tb ³⁺ activated Sr ₄ Al ₁₄ O ₂₅ . Journal of Luminescence, 2010, 130, 2223-2225.	3.1	22
74	Reddish orange long lasting phosphorescence of Sm ³⁺ in Sr ₂ ZnSi ₂ O ₇ :Sm ³⁺ phosphors. Journal of Rare Earths, 2010, 28, 705-708.	4.8	34
75	Effects of distorted lattice and nonequal-valence substitution on the long lasting phosphorescence of Eu ²⁺ and Gd ³⁺ doped RMg ₂ (PO ₄) ₂ (R=Sr,Ba) phosphors. Journal of Applied Physics, 2010, 108, 043101.	2.5	14
76	Luminescent properties of a new blue long-lasting phosphor Ca ₂ P ₂ O ₇ :Eu ²⁺ , Y ³⁺ . Materials Chemistry and Physics, 2009, 113, 215-218.	4.0	47
77	A novel blue-emitting long-lasting proyphosphate phosphor Sr ₂ P ₂ O ₇ :Eu ²⁺ ,Y ³⁺ . Journal of Physics and Chemistry of Solids, 2009, 70, 303-306.	4.0	199
78	Blue long lasting phosphorescence of Tm ³⁺ in zinc pyrophosphate phosphor. Journal of Alloys and Compounds, 2009, 471, 364-367.	5.5	39
79	Near infrared long lasting emission of Yb ³⁺ and its influence on the optical storage ability of Mn ²⁺ -activated zinc borosilicate glasses. Journal of Applied Physics, 2007, 101, 113304.	2.5	11
80	Redshift phenomenon of the excitation light of long life emission phosphor. Applied Physics Letters, 2006, 88, 241107.	3.3	20
81	Thermoluminescence characteristics of terbium-doped Ba ₂ Ca(BO ₃) ₂ phosphor. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 2800-2806.	1.8	46
82	Photo-stimulated long-lasting phosphorescence in Mn ²⁺ -doped zinc borosilicate glasses. Journal of Non-Crystalline Solids, 2003, 321, 191-196.	3.1	54
83	Multi-color long-lasting phosphorescence in Mn ²⁺ -doped ZnO-B ₂ O ₃ -SiO ₂ glass-ceramics. Materials Research Bulletin, 2002, 37, 1443-1449.	5.2	55