Shuxing Li

List of Publications by Year
in descending order

32 papers	2,362 citations	236925 25 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	1052 citing authors

#	Article	IF	Citations
1	Achieving High Quantum Efficiency Narrow-Band Î²-Sialon:Eu²⁺ Phosphors for High-Brightness LCD Backlights by Reducing the Eu³⁺ Luminescence Killer. Chemistry of Materials, 2018, 30, 494-505.	6.7	250
2	Color Conversion Materials for Highâ€Brightness Laserâ€Driven Solidâ€State Lighting. Laser and Photonics Reviews, 2018, 12, 1800173.	8.7	239
3	Al₂O₃â€"YAG:Ce composite phosphor ceramic: a thermally robust and efficient color converter for solid state laser lighting. Journal of Materials Chemistry C, 2016, 4, 8648-8654.	5.5	206
4	Unique Color Converter Architecture Enabling Phosphor-in-Glass (PiG) Films Suitable for High-Power and High-Luminance Laser-Driven White Lighting. ACS Applied Materials & Interfaces, 2018, 10, 14930-14940.	8.0	177
5	Warm White Light with a High Color-Rendering Index from a Single Gd₃Al₄GaO₁₂:Ce³⁺ Transparent Ceramic for High-Power LEDs and LDs. ACS Applied Materials & Interfaces, 2019, 11, 2130-2139.	8.0	124
6	CaAlSiN₃:Eu²⁺ translucent ceramic: a promising robust and efficient red color converter for solid state laser displays and lighting. Journal of Materials Chemistry C, 2016, 4, 8197-8205.	5.5	115
7	Thermally self-managing YAG:Ceâ€"Al₂O₃color converters enabling high-brightness laser-driven solid state lighting in a transmissive configuration. Journal of Materials Chemistry C, 2019, 7, 3901-3908.	5.5	95
8	Unique Design Strategy for Laserâ€Driven Color Converters Enabling Superhighâ€Luminance and Highâ€Directionality White Light. Laser and Photonics Reviews, 2019, 13, 1900147.	8.7	93
9	Data-Driven Discovery of Full-Visible-Spectrum Phosphor. Chemistry of Materials, 2019, 31, 6286-6294.	6.7	92
10	A search for extra-high brightness laser-driven color converters by investigating thermally-induced luminance saturation. Journal of Materials Chemistry C, 2019, 7, 11449-11456.	5.5	90
11	A Thermally Robust La₃Si₆N₁₁:Ceâ€inâ€Glass Film for Highâ€Brightness Blueâ€Laserâ€Driven Solid State Lighting. Laser and Photonics Reviews, 2019, 13, 1800216.	8.7	86
12	New insights into the microstructure of translucent CaAlSiN₃:Eu²⁺ phosphor ceramics for solid-state laser lighting. Journal of Materials Chemistry C, 2017, 5, 1042-1051.	5.5	83
13	Critical Reviewâ€"Narrow-Band Nitride Phosphors for Wide Color-Gamut White LED Backlighting. ECS Journal of Solid State Science and Technology, 2018, 7, R3064-R3078.	1.8	64
14	Crystal structure, tunable emission and applications of Ca_{1â^'x}Al_{1â^'x}Si_{1+x}N_{3â^'x}O_x:RE (x = 0â€"0.22,) Tj ETQq0 0 0 rgBT /Ov Journal of Materials Chemistry C, 2016, 4, 11219-11230.	5.5	61
15	The effect of the porosity on the Al2O3-YAG:Ce phosphor ceramic: Microstructure, luminescent efficiency, and luminous stability in laser-driven lighting. Journal of Alloys and Compounds, 2019, 785, 125-130.	5.5	61
16	Transparent YAG:Ce ceramic with designed low light scattering for high-power blue LED and LD applications. Journal of the European Ceramic Society, 2021, 41, 735-740.	5.7	57
17	Composite ceramic with high saturation input powder in solid-state laser lighting: Microstructure, properties, and luminous emittances. Ceramics International, 2018, 44, 20232-20238.	4.8	55
18	A new CaF₂-YAG:Ce composite phosphor ceramic for high-power and high-color-rendering WLEDs. Journal of Materials Chemistry C, 2019, 7, 8569-8574.	5.5	55

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19	Ternary solid solution phosphors Ca1--Li Al1--Si1++N3-O :Ce3+ with enhanced thermal stability for high-power laser lighting. Chemical Engineering Journal, 2021, 404, 126575.	12.7	45
20	Interstitial Site Engineering for Creating Unusual Red Emission in La₃Si₆N₁₁:Ce³⁺. Chemistry of Materials, 2020, 32, 3631-3640.	6.7	35
21	YAGG:Ce Phosphor-in-YAG Ceramic: An Efficient Green Color Converter Suitable for High-Power Blue Laser Lighting. ACS Applied Electronic Materials, 2020, 2, 2644-2650.	4.3	34
22	Thermally Robust Orangeâ€Redâ€Emitting Color Converters for Laserâ€Driven Warm White Light with High Overall Optical Properties. Laser and Photonics Reviews, 2022, 16, .	8.7	32
23	Bi-color phosphor-in-glass films achieve superior color quality laser-driven stage spotlights. Chemical Engineering Journal, 2022, 444, 136591.	12.7	32
24	Unraveling the Luminescence Quenching of Phosphors under High-Power-Density Excitation. Acta Materialia, 2021, 209, 116813.	7.9	31
25	Efficient near-infrared phosphors discovered by parametrizing the Eu(II) 5d-to-4f energy gap. Matter, 2022, 5, 1924-1936.	10.0	31
26	Highly thermal conductive red-emitting AlN-CaAlSiN3:Eu2+ composite phosphor ceramics for high-power laser-driven lighting. Journal of the European Ceramic Society, 2021, 41, 5650-5657.	5.7	30
27	Discovery of a Ce³⁺-activated red nitride phosphor for high-brightness solid-state lighting. Journal of Materials Chemistry C, 2020, 8, 14402-14408.	5.5	26
28	Critical Reviewâ€"Data-Driven Discovery of Novel Phosphors. ECS Journal of Solid State Science and Technology, 2020, 9, 016013.	1.8	18
29	Realizing red/orange emission of Eu2+/Ce3+ in La26â^'xSrxSi41Ox+1N80â^'x (x = 12.72â€"12.90) phosphors for high color rendition white LEDs. Journal of Materials Chemistry C, 2020, 8, 13458-13466.	5.5	14
30	<i>M</i>_{<i>x</i>}La_{1â€"<i>x</i>}SiO_{2â€"<i>y</i>}N_{<i>z</i>} (<i>M</i> = Ca/Sr/Ba): Elucidating and Tuning the Structure and Eu²⁺ Local Environments to Develop Full-Visible Spectrum Phosphors. Chemistry of Materials, 2022, 34, 4039-4049.	6.7	14
31	Sandwich structured phosphor-in-glass films enabling laser lighting with superior optical properties. Ceramics International, 2022, 48, 13626-13633.	4.8	10
32	Laserâ€Driven Highâ€Brightness Green Light for Underwater Wireless Optical Communication. Advanced Optical Materials, 2022, 10, .	7.3	7