

Quan Liu

List of Publications by Year in descending order

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29
papers

964
citations

394421

19
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure evolution and delayed quenching of the double perovskite NaLaMgWO ₆ :Eu ³⁺ phosphor for white LEDs. <i>Ceramics International</i> , 2016, 42, 15294-15300.	4.8	98
2	Tuning the electronic structure of layered vanadium pentoxide by pre-intercalation of potassium ions for superior room/low-temperature aqueous zinc-ion batteries. <i>Nanoscale</i> , 2021, 13, 2399-2407.	5.6	86
3	Fast synthesis of Dy ³⁺ and Tm ³⁺ co-doped double perovskite NaLaMgWO ₆ : a thermally stable single-phase white-emitting phosphor for WLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2117-2122.	5.5	66
4	Thermally stable double perovskite CaLaMgSbO ₆ :Eu ³⁺ phosphors as a tunable LED-phosphor material. <i>Ceramics International</i> , 2018, 44, 1662-1667.	4.8	62
5	Bismuth activated high thermal stability blue-emitting phosphor Na ₂ Y ₂ B ₂ O ₇ :Bi used for near-UV white-light LEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16584-16592.	5.5	53
6	A promising blue-emitting phosphor CaYGaO ₄ :Bi ³⁺ for near-ultraviolet (NUV) pumped white LED application and the emission improvement by Li ⁺ ions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 303-312.	5.5	53
7	Sr ₃ Y(BO ₃) ₃ :Bi ³⁺ phosphor with excellent thermal stability and color tunability for near-ultraviolet white-light LEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3672-3681.	5.5	46
8	Structural and luminescent properties of Eu ³⁺ -doped double perovskite BaLaMgNbO ₆ phosphor. <i>Ceramics International</i> , 2018, 44, 1909-1915.	4.8	43
9	Enhanced luminescence of a Eu ³⁺ -activated double perovskite (Na, Li)LaMgWO ₆ phosphor based on A site inducing energy transfer. <i>Ceramics International</i> , 2016, 42, 13855-13862.	4.8	41
10	Enhanced luminescence properties of double perovskite (Ba, Sr)LaMgSbO ₆ :Eu ³⁺ phosphors based on composition modulation. <i>Journal of Alloys and Compounds</i> , 2017, 717, 156-163.	5.5	35
11	A high quenching content red-emitting phosphor based on double perovskite host BaLaMgSbO ₆ for white LEDs. <i>Journal of Alloys and Compounds</i> , 2017, 696, 443-449.	5.5	33
12	Origin of D-band emission in a novel Bi ³⁺ -doped phosphor La ₃ SnGa ₅ O ₁₄ :Bi ³⁺ . <i>Journal of Materials Chemistry C</i> , 2021, 9, 3455-3461.	5.5	33
13	Single Bi ³⁺ Ultrabroadband White Luminescence in Double Perovskite via Crystal Lattice Engineering toward Light-Emitting Diode Applications. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	33
14	Deep red SrLaGa ₃ O ₇ :Mn ⁴⁺ for near ultraviolet excitation of white light LEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3969-3977.	5.5	32
15	Dy ³⁺ -doped BaLaMgSbO ₆ double perovskite highly efficient white phosphor. <i>Ceramics International</i> , 2019, 45, 15624-15628.	4.8	31
16	Second-order John-Teller distortion in the thermally stable Li(La, Gd)MgWO ₆ :Eu ³⁺ phosphor with high quantum efficiency. <i>Dyes and Pigments</i> , 2019, 160, 165-171.	3.7	30
17	Red-emitting double perovskite phosphors Sr _{1-x} CaxLaMgSbO ₆ :Eu ³⁺ : Luminescence improvement based on composition modulation. <i>Ceramics International</i> , 2017, 43, 16292-16299.	4.8	28
18	Structure variation and luminescence enhancement of BaLaMg(Sb, Nb)O ₆ :Eu ³⁺ double perovskite red phosphors based on composition modulation. <i>Ceramics International</i> , 2019, 45, 7661-7666.	4.8	23

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19	Synthesis and photoluminescence properties of perovskite $\text{LaMg}_{0.667}\text{Nb}_{0.333}\text{O}_3:\text{Mn}^{4+},\text{Bi}^{3+}$: a novel deep-red phosphor for WLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13297-13305.	5.5	22
20	Electronic modulation of nickel selenide by copper doping and <i>in situ</i> carbon coating towards high-rate and high-energy density lithium ion half/full batteries. <i>Nanoscale</i> , 2020, 12, 23645-23652.	5.6	21
21	Fast synthesis and energy transfer of the tunable single-phase white-emitting phosphor $\text{Li}_2\text{Gd}_4(\text{WO}_4)_7:\text{Dy}^{3+}, \text{Tm}^{3+}$ for WLEDs. <i>Ceramics International</i> , 2020, 46, 6926-6933.	4.8	17
22	$\text{Bi}^{3+}/\text{Mn}^{4+}$ co-doped dual-emission phosphors for potential plant lighting. <i>Journal of the American Ceramic Society</i> , 2022, 105, 5793-5806.	3.8	16
23	Defect modulation and luminescence improvement of Mn^{4+} -activated $\text{La}(\text{Mg}, \text{Tj})\text{ETQq1}$. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3472-3479.	5.5	14
24	High efficient Eu^{3+} -activated $\text{Ca}(\text{La}, \text{Gd})\text{MgSbO}_6$ double perovskite phosphors: Thermal stability improvement by composition modulating. <i>Journal of Luminescence</i> , 2019, 215, 116674.	3.1	11
25	Design and preparation of an ultra-high temperature ceramic by in-situ introduction of $\text{Zr}_2[\text{Al}(\text{Si})_4\text{C}_5]$ into $\text{ZrB}_2\text{-SiC}$: Investigation on the mechanical properties and oxidation behavior. <i>Journal of Advanced Ceramics</i> , 2021, 10, 1082-1094.	17.4	11
26	Eu^{3+} and Mn^{4+} co-doped BaLaMgNbO_6 double perovskite phosphors for WLED application. <i>Journal of Luminescence</i> , 2022, 246, 118808.	3.1	10
27	Kinetics modulation of titanium niobium oxide via hierarchical MXene coating for high-rate and high-energy density lithium-ion half/full batteries. <i>Applied Surface Science</i> , 2022, 576, 151890.	6.1	9
28	Ultrafast Lithium-Ion Batteries with Long-Term Cycling Performance Based on Titanium Carbide/3D Interconnected Porous Carbon. <i>ChemNanoMat</i> , 2022, 8, .	2.8	6
29	In situ incorporation of CoP nanoparticles onto BP nanosheets to improve electrochemical performance of Li-ion battery. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , 1.	2.2	1