

Lin Huang

List of Publications by Year in descending order

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21
papers

1,811
citations

516710

16
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	HF-Free Hydrothermal Route for Synthesis of Highly Efficient Narrow-Band Red Emitting Phosphor $K_2SiF_6:Mn^{4+}$ for Warm White Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2016, 28, 1495-1502.	6.7	365
2	Highly Thermally Stable Single-Component White-Emitting Silicate Glass for Organic-Resin-Free White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2709-2717.	8.0	220
3	Tunable Luminescent Properties and Concentration-Dependent, Site-Preferable Distribution of Eu^{2+} Ions in Silicate Glass for White LEDs Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10044-10054.	8.0	197
4	Highly Stable $K_2SiF_6:Mn^{4+}@K_2SiF_6$ Composite Phosphor with Narrow Red Emission for White LEDs. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18082-18092.	8.0	195
5	Hydrothermal synthesis, morphology and photoluminescent properties of an Mn^{4+} -doped novel red fluoride phosphor elpasolite K_2LiAlF_6 . <i>Journal of Materials Chemistry C</i> , 2016, 4, 5690-5695.	5.5	148
6	Facile synthesis, morphology and photoluminescence of a novel red fluoride nanophosphor $K_2NaAlF_6:Mn^{4+}$. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6420-6426.	5.5	104
7	Silica shell-assisted synthetic route for mono-disperse persistent nanophosphors with enhanced in vivo recharged near-infrared persistent luminescence. <i>Nano Research</i> , 2017, 10, 2070-2082.	10.4	103
8	High-performance and moisture-resistant red-emitting $Cs_2SiF_6:Mn^{4+}$ for high-brightness LED backlighting. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2401-2407.	5.5	74
9	A new reductive dl -mandelic acid loading approach for moisture-stable Mn^{4+} doped fluorides. <i>Chemical Communications</i> , 2018, 54, 11857-11860.	4.1	73
10	Co-precipitation synthesis and photoluminescence properties of $BaTiF_6:Mn^{4+}$: an efficient red phosphor for warm white LEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 127-133.	5.5	60
11	Phase-transition-induced giant enhancement of red emission in Mn^{4+} -doped fluoride elpasolite phosphors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3951-3960.	5.5	56
12	Spectral Properties and Energy Transfer of a Potential Solar Energy Converter. <i>Chemistry of Materials</i> , 2016, 28, 2834-2843.	6.7	50
13	Photoluminescence properties of a novel red fluoride $K_2LiGaF_6:Mn^{4+}$ nanophosphor. <i>RSC Advances</i> , 2017, 7, 30588-30593.	3.6	47
14	Double substitution induced tunable luminescent properties of $Ca_{3-x}Y_xSc_{2-y}Mg_xSiO_{12}:Ce^{3+}$ phosphors for white LEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5671-5678.	5.5	32
15	Optimizing and adjusting the photoluminescence of Mn^{4+} -doped fluoride phosphors via forming composite particles. <i>Dalton Transactions</i> , 2019, 48, 711-717.	3.3	20
16	Anomalous photoluminescence from a $K_2LiInF_6:Mn^{4+}$ phosphor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8085-8090.	5.5	20
17	Manganese Ion-Sensitized Near-Infrared Light in $Cs_2NaBiF_6:Er^{3+}Cl_6$ Lead-Free Double Perovskite. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	16
18	Optimized photoluminescence of red phosphor $K_2LiAlF_6:Mn^{4+}$ synthesized by a cation-exchange method. <i>Science China Technological Sciences</i> , 2017, 60, 1458-1464.	4.0	13

#	ARTICLE	IF	CITATIONS
19	A Stable and Efficient Red-Emitting Color Converter Based on K ₂ SiF ₆ :Mn ⁴⁺ Phosphor-in-Glass Film for Next-Generation Laser-Excited Lighting and Display. <i>Advanced Photonics Research</i> , 0, , 2100146.	3.6	9
20	In Situ Growth of CsPbBr ₃ Perovskite Nanocrystals in Lead-Based Matrix toward Significantly Enhanced Water/Photo Stabilities. <i>Advanced Optical Materials</i> , 2022, 10, 2101448.	7.3	7
21	Laser speckle reduction via TiO ₂ -sapphire composite rotating wheel in laser projection. <i>Journal of the American Ceramic Society</i> , 2022, 105, 4512-4520.	3.8	1