

Chun-Che Lin

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45
papers

5,504
citations

27
h-index

47
g-index

47
ext. papers

6,113
ext. citations

7.3
avg, IF

5.96
L-index

#	Paper	IF	Citations
45	Advances in Phosphors for Light-emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1268-77	6.4	978
44	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. <i>Nature Communications</i> , 2014 , 5, 4312	17.4	898
43	Light Converting Inorganic Phosphors for White Light-Emitting Diodes. <i>Materials</i> , 2010 , 3, 2172-2195	3.5	402
42	Critical Red Components for Next-Generation White LEDs. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 495-503	6.4	334
41	Versatile phosphate phosphors ABPO(4) in white light-emitting diodes: collocated characteristic analysis and theoretical calculations. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3020-8	16.4	301
40	Thermally stable luminescence of K ₂ SrPO ₄ :Eu ²⁺ phosphor for white light UV light-emitting diodes. <i>Applied Physics Letters</i> , 2007 , 90, 151108	3.4	293
39	Highly Efficient Blue Emission and Superior Thermal Stability of BaAl ₁₂ O ₁₉ :Eu ²⁺ Phosphors Based on Highly Symmetric Crystal Structure. <i>Chemistry of Materials</i> , 2018 , 30, 2389-2399	9.6	201
38	Photoluminescence Tuning via Cation Substitution in Oxonitridosilicate Phosphors: DFT Calculations, Different Site Occupations, and Luminescence Mechanisms. <i>Chemistry of Materials</i> , 2014 , 26, 2991-3001	9.6	183
37	Synthesis of Na ₂ SiF ₆ :Mn ⁴⁺ red phosphors for white LED applications by co-precipitation. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10268-10272	7.1	166
36	A low-temperature co-precipitation approach to synthesize fluoride phosphors K ₂ MF ₆ :Mn ⁴⁺ (M = Ge, Si) for white LED applications. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1655-1660	7.1	158
35	Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10862-6	16.4	137
34	Enhanced Photoluminescence Emission and Thermal Stability from Introduced Cation Disorder in Phosphors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11766-11770	16.4	134
33	Photoluminescent Evolution Induced by Structural Transformation Through Thermal Treating in the Red Narrow-Band Phosphor K ₂ GeF ₆ :Mn ⁴⁺ . <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10656-9	9.5	119
32	Heterostructure of Si and CoSe/A Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6211-6	16.4	114
31	Near-ultraviolet excitable orange-yellow Sr ₃ (Al ₂ O ₅)Cl ₂ :Eu ²⁺ phosphor for potential application in light-emitting diodes. <i>Applied Physics Letters</i> , 2008 , 93, 131114	3.4	98
30	(Ba,Sr)Y ₂ Si ₂ Al ₂ O ₂ N ₅ :Eu ²⁺ : a novel near-ultraviolet converting green phosphor for white light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3740		96
29	Green Light-Excitable Ce-Doped Nitridomagnesoaluminate Sr[Mg ₂ Al ₂ N ₄] Phosphor for White Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2016 , 28, 6822-6825	9.6	95

28	Preparation of a novel red $\text{Rb}_2\text{SiF}_6:\text{Mn}^{4+}$ phosphor with high thermal stability through a simple one-step approach. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7277-7280	7.1	86
27	Water-Resistant Efficient Stretchable Perovskite-Embedded Fiber Membranes for Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2210-2215	9.5	80
26	Novel Fluorescence Sensor Based on All-Inorganic Perovskite Quantum Dots Coated with Molecularly Imprinted Polymers for Highly Selective and Sensitive Detection of Omethoate. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39056-39063	9.5	76
25	Evaluations of the Chemical Stability and Cytotoxicity of CuInS_2 and $\text{CuInS}_2/\text{ZnS}$ Core/Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2852-2860	3.8	64
24	Multi-Bandgap-Sensitized ZnO Nanorod Photoelectrode Arrays for Water Splitting: An X-ray Absorption Spectroscopy Approach for the Electronic Evolution under Solar Illumination. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 21971-21980	3.8	61
23	Effects of additional Ce^{3+} doping on the luminescence of $\text{Li}_2\text{SrSiO}_4:\text{Eu}^{2+}$ yellow phosphor. <i>Applied Physics Letters</i> , 2010 , 96, 061904	3.4	61
22	UV/VUV switch-driven color-reversal effect for Tb-activated phosphors. <i>Light: Science and Applications</i> , 2016 , 5, e16066	16.7	51
21	Highly efficient fluorescent QDs sensor for specific detection of protein through double recognition of hybrid aptamer-molecular imprinted polymers. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 627-635	8.5	40
20	Controllable Eu valence for photoluminescence tuning in apatite-typed phosphors by the cation cosubstitution effect. <i>Chemical Communications</i> , 2016 , 52, 7376-9	5.8	30
19	All-in-one light-tunable borated phosphors with chemical and luminescence dynamical control resolution. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9160-72	9.5	27
18	Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. <i>Angewandte Chemie</i> , 2015 , 127, 11012-11016	3.6	27
17	Novel ultra-stable and highly luminescent white light-emitting diodes from perovskite quantum dots Polymer nanofibers through biaxial electrospinning. <i>APL Materials</i> , 2019 , 7, 111105	5.7	27
16	Controllable Eu-Doped Orthophosphate Blue-/Red-Emitting Phosphors: Charge Compensation and Lattice-Strain Control. <i>Inorganic Chemistry</i> , 2019 , 58, 6376-6387	5.1	26
15	Pressure effect on the zero-phonon line emission of Mn^{4+} in K_2SiF_6 . <i>Journal of Chemical Physics</i> , 2015 , 143, 134704	3.9	25
14	Melilite-type blue chromophores based on Mn^{3+} in a trigonal-bipyramidal coordination induced by interstitial oxygen. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5843	7.1	19
13	Mechanism of light emission and electronic properties of a Eu^{3+} -doped $\text{Bi}_2\text{SrTa}_2\text{O}_9$ system determined by coupled X-ray absorption and emission spectroscopy. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17119		17
12	Spiral-type heteropolyhedral coordination network based on single-crystal LiSrPO_4 : implications for luminescent materials. <i>Chemistry - A European Journal</i> , 2013 , 19, 15358-65	4.8	14
11	Superior thermally-stable narrow-band green emitter from Mn^{2+} -doped zero thermal expansion (ZTE) material. <i>Chemical Engineering Journal</i> , 2021 , 415, 128979	14.7	12

10	Phase transition and energy transfer of lead-free Cs ₂ SnCl ₆ perovskite nanocrystals by controlling the precursors and doping manganese ions. <i>Journal of Information Display</i> , 2019 , 20, 209-216	4.1	10
9	A rare earth-free GaZnON phosphor prepared by combustion for white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1473-1479	7.1	10
8	Heterostructure of Si and CoSe ₂ : A Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution. <i>Angewandte Chemie</i> , 2015 , 127, 6309-6314	3.6	8
7	Light Down-Converter Based on Luminescent Nanofibers from the Blending of Conjugated Rod-Coil Block Copolymers and Perovskite through Electrospinning. <i>Polymers</i> , 2020 , 12,	4.5	8
6	Enhancing the Color Rendering Index for Phosphor-converted White LEDs Using Cadmium-Free CuInS ₂ /ZnS QDs. <i>Journal of the Chinese Chemical Society</i> , 2013 , 60, 801-806	1.5	7
5	Formation of Sr ₂ Si ₅ N ₈ :Eu ²⁺ and Its Transformation to SrSi ₆ N ₈ :Eu ²⁺ Controlled by Temperature and Gas Pressure. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2662-2669	3.8	4
4	Cr-Sphere Effect on the Whitlockite-Type NIR Phosphor SrSc(PO) with High Heat Dissipation for Digital Medical Applications.. <i>Inorganic Chemistry</i> , 2022 ,	5.1	4
3	Facile dental resin composites with tunable fluorescence by tailoring Cd-free quantum dots. <i>RSC Advances</i> , 2013 , 3, 16639	3.7	3
2	Green route synthesis of K ₂ SiF ₆ :Mn ⁴⁺ red phosphor through a brief one-step co-precipitation method for warm white light LEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 2204	2.1	0
1	Innenrücktitelbild: Heterostructure of Si and CoSe ₂ : A Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution (Angew. Chem. 21/2015). <i>Angewandte Chemie</i> , 2015 , 127, 6469-6469	3.6	