Chun-Che Lin

List of Publications by Year in Descending Order

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	Green route synthesis of K2SiF6:Mn4+ red phosphor through a brief one-step co-precipitation method for warm white light LEDs. *Journal of Materials Science: Materials in Electronics*, **2022**, 33, 2204	2.1	0
44	Cr-Sphere Effect on the Whitlockite-Type NIR Phosphor SrSc(PO) with High Heat Dissipation for Digital Medical Applications.. *Inorganic Chemistry*, **2022**,	5.1	4
43	Superior thermally-stable narrow-band green emitter from Mn2+-doped zero thermal expansion (ZTE) material. *Chemical Engineering Journal*, **2021**, 415, 128979	14.7	12
42	Light Down-Converter Based on Luminescent Nanofibers from the Blending of Conjugated Rod-Coil Block Copolymers and Perovskite through Electrospinning. *Polymers*, **2020**, 12,	4.5	8
41	Phase transition and energy transfer of lead-free Cs2SnCl6 perovskite nanocrystals by controlling the precursors and doping manganese ions. *Journal of Information Display*, **2019**, 20, 209-216	4.1	10
40	Controllable Eu-Doped Orthophosphate Blue-/Red-Emitting Phosphors: Charge Compensation and Lattice-Strain Control. *Inorganic Chemistry*, **2019**, 58, 6376-6387	5.1	26
39	Novel ultra-stable and highly luminescent white light-emitting diodes from perovskite quantum dotsPolymer nanofibers through biaxial electrospinning. *APL Materials*, **2019**, 7, 111105	5.7	27
38	Water-Resistant Efficient Stretchable Perovskite-Embedded Fiber Membranes for Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 2210-2215	9.5	80
37	Highly Efficient Blue Emission and Superior Thermal Stability of BaAl12O19:Eu2+ Phosphors Based on Highly Symmetric Crystal Structure. *Chemistry of Materials*, **2018**, 30, 2389-2399	9.6	201
36	Highly efficient fluorescent QDs sensor for specific detection of protein through double recognition of hybrid aptamer-molecular imprinted polymers. *Sensors and Actuators B: Chemical*, **2018**, 274, 627-635	8.5	40
35	Novel Fluorescence Sensor Based on All-Inorganic Perovskite Quantum Dots Coated with Molecularly Imprinted Polymers for Highly Selective and Sensitive Detection of Omethoate. *ACS Applied Materials & Interfaces*, **2018**, 10, 39056-39063	9.5	76
34	Enhanced Photoluminescence Emission and Thermal Stability from Introduced Cation Disorder in Phosphors. *Journal of the American Chemical Society*, **2017**, 139, 11766-11770	16.4	134
33	Critical Red Components for Next-Generation White LEDs. *Journal of Physical Chemistry Letters*, **2016**, 7, 495-503	6.4	334
32	Controllable Eu valence for photoluminescence tuning in apatite-typed phosphors by the cation cosubstitution effect. *Chemical Communications*, **2016**, 52, 7376-9	5.8	30
31	UV/VUV switch-driven color-reversal effect for Tb-activated phosphors. *Light: Science and Applications*, **2016**, 5, e16066	16.7	51
30	Green Light-Excitable Ce-Doped Nitridomagnesoaluminate Sr[Mg2Al2N4] Phosphor for White Light-Emitting Diodes. *Chemistry of Materials*, **2016**, 28, 6822-6825	9.6	95
29	A rare earth-free GaZnON phosphor prepared by combustion for white light-emitting diodes. *Journal of Materials Chemistry C*, **2015**, 3, 1473-1479	7.1	10

28	Evaluations of the Chemical Stability and Cytotoxicity of CuInS2 and CuInS2/ZnS Core/Shell Quantum Dots. *Journal of Physical Chemistry C*, **2015**, 119, 2852-2860	3.8	64
27	Preparation of a novel red Rb2SiF6:Mn4+ phosphor with high thermal stability through a simple one-step approach. *Journal of Materials Chemistry C*, **2015**, 3, 7277-7280	7.1	86
26	Heterostructure of Si and CoSe□A Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2015**, 54, 6211-6	16.4	114
25	Photoluminescent Evolution Induced by Structural Transformation Through Thermal Treating in the Red Narrow-Band Phosphor K□eF□Mn□. *ACS Applied Materials & Interfaces*, **2015**, 7, 10656-9	9.5	119
24	Heterostructure of Si and CoSe2: A Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution. *Angewandte Chemie*, **2015**, 127, 6309-6314	3.6	8
23	Innenr□ktitelbild: Heterostructure of Si and CoSe2: A Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution (Angew. Chem. 21/2015). *Angewandte Chemie*, **2015**, 127, 6469-6469	3.6	
22	Pressure effect on the zero-phonon line emission of Mn(4+) in K2SiF6. *Journal of Chemical Physics*, **2015**, 143, 134704	3.9	25
21	Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. *Angewandte Chemie*, **2015**, 127, 11012-11016	3.6	27
20	Formation of Sr2Si5N8:Eu2+ and Its Transformation to SrSi6N8:Eu2+ Controlled□by Temperature and Gas Pressure. *Journal of the American Ceramic Society*, **2015**, 98, 2662-2669	3.8	4
19	Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. *Angewandte Chemie - International Edition*, **2015**, 54, 10862-6	16.4	137
18	A low-temperature co-precipitation approach to synthesize fluoride phosphors K2MF6:Mn4+ (M = Ge, Si) for white LED applications. *Journal of Materials Chemistry C*, **2015**, 3, 1655-1660	7.1	158
17	Photoluminescence Tuning via Cation Substitution in Oxonitridosilicate Phosphors: DFT Calculations, Different Site Occupations, and Luminescence Mechanisms. *Chemistry of Materials*, **2014**, 26, 2991-3001	9.6	183
16	Synthesis of Na2SiF6:Mn4+ red phosphors for white LED applications by co-precipitation. *Journal of Materials Chemistry C*, **2014**, 2, 10268-10272	7.1	166
15	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. *Nature Communications*, **2014**, 5, 4312	17.4	898
14	All-in-one light-tunable borated phosphors with chemical and luminescence dynamical control resolution. *ACS Applied Materials & Interfaces*, **2014**, 6, 9160-72	9.5	27
13	Facile dental resin composites with tunable fluorescence by tailoring Cd-free quantum dots. *RSC Advances*, **2013**, 3, 16639	3.7	3
12	Melilite-type blue chromophores based on Mn3+ in a trigonal-bipyramidal coordination induced by interstitial oxygen. *Journal of Materials Chemistry C*, **2013**, 1, 5843	7.1	19
11	Spiral-type heteropolyhedral coordination network based on single-crystal LiSrPO4: implications for luminescent materials. *Chemistry - A European Journal*, **2013**, 19, 15358-65	4.8	14

10	Enhancing the Color Rendering Index for Phosphor-converted White LEDs Using Cadmium-Free CuInS2/ZnS QDs. *Journal of the Chinese Chemical Society*, **2013**, 60, 801-806	1.5	7
9	Advances in Phosphors for Light-emitting Diodes. *Journal of Physical Chemistry Letters*, **2011**, 2, 1268-77	6.4	978
8	Multi-Bandgap-Sensitized ZnO Nanorod Photoelectrode Arrays for Water Splitting: An X-ray Absorption Spectroscopy Approach for the Electronic Evolution under Solar Illumination. *Journal of Physical Chemistry C*, **2011**, 115, 21971-21980	3.8	61
7	(Ba,Sr)Y2Si2Al2O2N5 : Eu2+: a novel near-ultraviolet converting green phosphor for white light-emitting diodes. *Journal of Materials Chemistry*, **2011**, 21, 3740		96
6	Mechanism of light emission and electronic properties of a Eu3+-doped Bi2SrTa2O9 system determined by coupled X-ray absorption and emission spectroscopy. *Journal of Materials Chemistry*, **2011**, 21, 17119		17
5	Effects of additional Ce3+ doping on the luminescence of Li2SrSiO4:Eu2+ yellow phosphor. *Applied Physics Letters*, **2010**, 96, 061904	3.4	61
4	Versatile phosphate phosphors ABPO(4) in white light-emitting diodes: collocated characteristic analysis and theoretical calculations. *Journal of the American Chemical Society*, **2010**, 132, 3020-8	16.4	301
3	Light Converting Inorganic Phosphors for White Light-Emitting Diodes. *Materials*, **2010**, 3, 2172-2195	3.5	402
2	Near-ultraviolet excitable orange-yellow Sr3(Al2O5)Cl2:Eu2+ phosphor for potential application in light-emitting diodes. *Applied Physics Letters*, **2008**, 93, 131114	3.4	98
1	Thermally stable luminescence of KSrPO4:Eu2+ phosphor for white light UV light-emitting diodes. *Applied Physics Letters*, **2007**, 90, 151108	3.4	293