Fengwen Kang

List of Publications by Year
in descending order

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51 papers	2,895 citations	147566 31 h-index	189595 50 g-index
52 all docs	52 docs citations	52 times ranked	2015 citing authors

#	Article	IF	Citations
1	Self-templated formation of twin-like metal-organic framework nanobricks as pre-catalysts for efficient water oxidation. Nano Research, 2022, 15, 2887-2894.	5.8	12
2	Luminescence depreciation in ScVO4:Bi3+ upon irradiation in the Bi3+-related absorption bands. Journal of Luminescence, 2022, 248, 118941.	1.5	1
3	Recent advances and prospects of persistent luminescent materials as inner secondary self-luminous light source for photocatalytic applications. Chemical Engineering Journal, 2021, 403, 126099.	6.6	84
4	Luminescence in external dopant-free scandium-phosphorus vanadate solid solution: a spectroscopic and theoretical investigation. Materials Advances, 2020, 1, 2467-2482.	2.6	2
5	Iron oxides with gadolinium-doped cerium oxides as active supports for chemical looping hydrogen production. Chemical Engineering Journal, 2020, 396, 125153.	6.6	33
6	Tuning the Bi³⁺-photoemission color over the entire visible region by manipulating secondary cations modulation in the ScV_xP_{1â˜'x}O₄:Bi³⁺ (0 â‰¤ x â‰¤ 1) solid solution. Journal of Materials Chemistry C, 2019, 7, 9865-9877.	2.7	48
7	Rare earth-free composites of carbon dots/metalâ€“organic frameworks as white light emitting phosphors. Journal of Materials Chemistry C, 2019, 7, 2207-2211.	2.7	68
8	Facile Synthesis of Nitrogenâ€Rich Carbon Dots as Fertilizers for Mung Bean Sprouts. Advanced Sustainable Systems, 2019, 3, 1800132.	2.7	40
9	Toward temperatureâ€dependent Bi³⁺â€related tunable emission in the <scp>YVO</scp>₄:Bi³⁺ phosphor. Journal of the American Ceramic Society, 2019, 102, 3488-3497.	1.9	18
10	Tuning of Bi3+-related photoemission in the Sc2O3:Bi3+ phosphor. Journal of Materials Science: Materials in Electronics, 2018, 29, 7015-7019.	1.1	3
11	Manipulating the alkali metal charge compensation and tungsten oxide to continuously enhance the red fluorescence in (Li,Na,K)Ca(Mo,W)O 4 :Eu 3+ solid solution compounds. Solid State Sciences, 2018, 76, 92-99.	1.5	7
12	Color selection and red fluorescence enhancement through the controllable energy transfer in NaxCa1-2xWO4:Eux3+ phosphor for UV converted LEDs. Materials Chemistry and Physics, 2018, 207, 396-401.	2.0	12
13	Simultaneous enhancement of photoluminescence and afterglow luminescence through Bi³⁺ co-doping in the Sr₃Al₂O₅Cl₂:Eu²⁺ phosphor. Physical Chemistry Chemical Physics, 2018, 20, 13983-13993.	1.3	12
14	Broad color tuning and Eu³⁺-related photoemission enhancement via controllable energy transfer in the La₂MgGeO₆:Eu³⁺,Bi³⁺ phosphor. Inorganic Chemistry Frontiers, 2018, 5, 1076-1084.	3.0	53
15	Multicolor Tuning and Temperature-Triggered Anomalous Eu³⁺-Related Photoemission Enhancement via Interplay of Accelerated Energy Transfer and Release of Defect-Trapped Electrons in the Tb³⁺,Eu³⁺-Doped Strontiumâ€“Aluminum Chlorites. ACS Applied Materials & Interfaces, 2018, 10, 36157-36170.	4.0	47
16	The role of oxygen defects in a bismuth doped ScVO₄ matrix: tuning luminescence by hydrogen treatment. Journal of Materials Chemistry C, 2017, 5, 314-321.	2.7	15
17	Emission color tuning through manipulating the energy transfer from VO₄^{3â˜'} to Eu³⁺ in single-phased LuVO₄:Eu³⁺ phosphors. Journal of Materials Chemistry C, 2017, 5, 390-398.	2.7	83
18	Toward Bi³⁺ Red Luminescence with No Visible Reabsorption through Manageable Energy Interaction and Crystal Defect Modulation in Single Bi³⁺-Doped ZnWO₄ Crystal. Chemistry of Materials, 2017, 29, 8412-8424.	3.2	148

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19	Plasmonic Dualâ€Enhancement and Precise Color Tuning of Gold Nanorod@SiO₂ Coupled Coreâ€“Shellâ€“Shell Upconversion Nanocrystals. Advanced Functional Materials, 2017, 27, 1701842.	7.8	121
20	Band-Gap Modulation in Single Bi³⁺-Doped Yttriumâ€“Scandiumâ€“Niobium Vanadates for Color Tuning over the Whole Visible Spectrum. Chemistry of Materials, 2016, 28, 2692-2703.	3.2	246
21	Recoverable and Unrecoverable Bi³⁺-Related Photoemissions Induced by Thermal Expansion and Contraction in LuVO₄:Bi³⁺ and ScVO₄:Bi³⁺ Compounds. Chemistry of Materials, 2016, 28, 7807-7815.	3.2	114
22	Controlling the Energy Transfer via Multi Luminescent Centers to Achieve White Light/Tunable Emissions in a Single-Phased X2-Type Y₂SiO₅:Eu³⁺,Bi³⁺ Phosphor For Ultraviolet Converted LEDs. Inorganic Chemistry, 2015, 54, 1462-1473.	1.9	241
23	Abnormal Antiâ€Quenching and Controllable Multiâ€Transitions of Bi³⁺ Luminescence by Temperature in a Yellowâ€Emitting LuVO₄:Bi³⁺ Phosphor for UVâ€Converted White LEDs. Chemistry - A European Journal, 2014, 20, 11522-11530.	1.7	151
24	Red Photoluminescence from Bi³⁺ and the Influence of the Oxygen-Vacancy Perturbation in ScVO₄: A Combined Experimental and Theoretical Study. Journal of Physical Chemistry C, 2014, 118, 7515-7522.	1.5	164
25	A new study on the energy transfer in the color-tunable phosphor CaWO₄:Bi. Dalton Transactions, 2014, 43, 277-284.	1.6	90
26	Processing-dependence and the nature of the blue-shift of Bi³⁺-related photoemission in ScVO₄at elevated temperatures. Journal of Materials Chemistry C, 2014, 2, 9850-9857.	2.7	53
27	Broadly Tunable Emission from CaMoO₄:Bi Phosphor Based on Locally Modifying the Microenvironment Around Bi³⁺ Ions. European Journal of Inorganic Chemistry, 2014, 2014, 1373-1380.	1.0	73
28	Broadly tuning Bi³⁺ emission via crystal field modulation in solid solution compounds (Y,Lu,Sc)VO₄:Bi for ultraviolet converted white LEDs. Journal of Materials Chemistry C, 2014, 2, 6068-6076.	2.7	164
29	Luminescent properties of Eu3+ in MWO4 (M=Ca, Sr, Ba) matrix. Journal of Luminescence, 2013, 135, 113-119.	1.5	79
30	Enhancement of red fluorescence and afterglow in CaWO4:Eu3+ by addition of MoO3. Displays, 2013, 34, 334-340.	2.0	8
31	Influence of Zn2+ and Si4+ codoping on luminescence properties of CaWO4:Eu3+ phosphor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 477-482.	1.7	12
32	Broadband NIR luminescence from a new bismuth doped Ba_2B_5O_9Cl crystal: evidence for the Bi^0 model. Optics Express, 2012, 20, 22569.	1.7	60
33	Enhancement on afterglow properties of Eu³⁺ by Ti⁴⁺, Mg²⁺ incorporation in CaWO₄ matrix. Journal of Materials Research, 2012, 27, 959-964.	1.2	8
34	A reddish orange-emitting stoichiometric phosphor K3Eu(PO4)2 for white light-emitting diodes. Optics and Laser Technology, 2012, 44, 39-42.	2.2	48
35	Solâ€“gel synthesis of Eu3+ incorporated CaMoO4: the enhanced luminescence performance. Journal of Sol-Gel Science and Technology, 2012, 62, 227-233.	1.1	40
36	Luminescent Properties of Praseodymium in <scp><scp>CaWO</scp></scp>₄ Matrix. Journal of the American Ceramic Society, 2012, 95, 3214-3219.	1.9	23

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37	The luminescence of bismuth and europium in Ca4YO(BO3)3. Journal of Luminescence, 2012, 132, 717-721.	1.5	18
38	Luminescence and red long afterglow investigation of Eu3+â€“Sm3+ CO-doped CaWO4 phosphor. Journal of Luminescence, 2012, 132, 887-894.	1.5	66
39	Luminescence properties of Y2O3:Bi3+, Ln3+ (Ln=Sm, Eu, Dy, Er, Ho) and the sensitization of Ln3+ by Bi3+. Journal of Luminescence, 2012, 132, 1853-1859.	1.5	72
40	White-Light Generation and Energy Transfer in Y2O3:Bi,Eu Phosphor for Ultraviolet Light-Emitting Diodes. Journal of the Electrochemical Society, 2011, 158, J294.	1.3	45
41	Luminescent properties of Na3Gd1â^'xEux(PO4)2 and energy transfer in these phosphors. Journal of Alloys and Compounds, 2011, 509, 5655-5659.	2.8	26
42	Luminescence and energy transfer of Mn2+ and Tb3+ in Y3Al5O12 phosphors. Journal of Alloys and Compounds, 2011, 509, 6476-6480.	2.8	40
43	Observation on long afterglow of Tb3+ in CaWO4. Materials Research Bulletin, 2011, 46, 2489-2493.	2.7	30
44	Luminescence investigation of Eu3+-Bi3+ co-doped CaMoO4 phosphor. Journal of Rare Earths, 2011, 29, 837-842.	2.5	40
45	The structure and luminescence properties of a novel orange emitting phosphor Y3MnxAl5â^'2xSixO12. Physica B: Condensed Matter, 2011, 406, 864-868.	1.3	29
46	Investigation on Eu3+ doped Sr2MgSi2O7 red-emitting phosphors for white-light-emitting diodes. Optics and Laser Technology, 2011, 43, 1104-1110.	2.2	32
47	A red-emitting heavy doped phosphor Li6Y(BO3)3:Eu3+ for white light-emitting diodes. Optical Materials, 2011, 33, 1297-1301.	1.7	61
48	The structure and luminescence properties of long afterglow phosphor Y3â^'xMnxAl5â^'xSixO12. Journal of Luminescence, 2011, 131, 676-681.	1.5	32
49	Red Afterglow Properties of Eu ³⁺ in CaMoO ₄ Phosphor. Chinese Physics Letters, 2011, 28, 107201.	1.3	16
50	Synthesis and Luminescent Properties of Violet-Ultraviolet Long Afterglow Phosphors. Materials Science Forum, 2010, 663-665, 170-176.	0.3	0
51	Synthesis of Eu ²⁺ and Dy ³⁺ Codoped Ba2MgSi2O7 Phosphor for Energy Storage. Advanced Materials Research, 0, 236-238, 3028-3031.	0.3	2