Jong Su Kim

List of Publications by Year
in descending order

56 papers	1,550 citations	394421 19 h-index	302126 39 g-index
56 all docs	56 docs citations	56 times ranked	1508 citing authors

#	Article	IF	Citations
1	Temperature-dependent emission spectra of M2SiO4:Eu2+ (M=Ca, Sr, Ba) phosphors for green and greenish white LEDs. Solid State Communications, 2005, 133, 445-448.	1.9	378
2	Full-color Ba3MgSi2O8:Eu2+, Mn2+ phosphors for white-light-emitting diodes. Solid State Communications, 2005, 135, 21-24.	1.9	139
3	White-light-emitting phosphor: CaMgSi2O6:Eu2+, Mn2+ and its related properties with blending. Applied Physics Letters, 2006, 89, 221916.	3.3	86
4	Optical and structural properties of nanosized ZnGa2O4:Cr3+ phosphor. Solid State Communications, 2004, 131, 735-738.	1.9	80
5	GaN-Based White-Light-Emitting Diodes Fabricated with a Mixture of Ba3MgSi2O8:Eu2+and Sr2SiO4:Eu2+Phosphors. Japanese Journal of Applied Physics, 2004, 43, 989-992.	1.5	68
6	Phosphorâ€“Aluminum Composite for Energy Recycling with Highâ€Power White Lighting. Advanced Optical Materials, 2017, 5, 1700347.	7.3	66
7	Optical and Structural Properties of Eu[sup 2+]-doped (Sr[sub 1â^'x]Ba[sub x])[sub 2]SiO[sub 4] phosphors. Journal of the Electrochemical Society, 2005, 152, H135.	2.9	64
8	White-electroluminescent device with ZnS:Mn, Cu, Cl phosphor. Journal of Luminescence, 2007, 126, 566-570.	3.1	62
9	Energy transfer among three luminescent centers in full-color emitting ZnGa2O4:Mn2+, Cr3+ phosphors. Solid State Communications, 2004, 131, 493-497.	1.9	51
10	Correlation between the crystalline environment and optical property of Mn2+ ions in ZnGa2O4: Mn2+ phosphor. Applied Physics Letters, 2005, 86, 091912.	3.3	51
11	Ca₂B₅O₉Cl:Eu²⁺, A Suitable Blueâ€Emitting Phosphor for nâ€UV Excited Solidâ€State Lighting. Journal of the American Ceramic Society, 2009, 92, 429-432.	3.8	39
12	A novel blue-emitting Sr3Al2O5Cl2:Ce3+,Li+ phosphor for near UV-excited white-light-emitting diodes. Materials Letters, 2009, 63, 700-702.	2.6	37
13	Orange emissive phosphor for warm-white light-emitting diodes. Solid State Communications, 2009, 149, 1017-1020.	1.9	26
14	Bridging homogeneous and heterogeneous catalysis with CANÂ·SiO2as a solid catalyst for four-component reactions for the synthesis of tetrasubstituted pyrroles. New Journal of Chemistry, 2015, 39, 396-402.	2.8	25
15	Highly Conductive PEDOT:PSS Films with 1,3â€Dimethylâ€2â€Imidazolidinone as Transparent Electrodes for Organic Lightâ€Emitting Diodes. Macromolecular Rapid Communications, 2016, 37, 1427-1433.	3.9	24
16	Optical and structural properties of ZnGa2O4: Eu3+ nanophosphor by hydrothermal method. Journal of Luminescence, 2007, 122-123, 851-854.	3.1	22
17	Multifunctional Device based on phosphor-piezoelectric PZT: lighting, speaking, and mechanical energy harvesting. Scientific Reports, 2018, 8, 301.	3.3	22
18	Orange emission enhancement by energy transfer in Sr3Al2O5Cl2:Ce3+, Eu2+ phosphor for solid-state lighting. Journal of Luminescence, 2010, 130, 117-120.	3.1	21

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19	A simple synthesis method for Zn2SiO4:Mn2+ phosphor films and their optical and luminescence properties. Journal of Luminescence, 2013, 134, 71-74.	3.1	21
20	Novel blue-emitting Sr3Ga2O5Cl2:Eu2+ phosphor for UV-pumped white LEDs. Materials Letters, 2010, 64, 768-770.	2.6	19
21	White-light generation through Ce3+/Mn2+-codoped and Eu2+-doped Ba1.2Ca0.8SiO4 T-phase phosphors. Journal of Luminescence, 2010, 130, 2442-2445.	3.1	17
22	Optical and electrical properties of Zn2SiO4:Mn2+ powder electroluminescent device. Journal of Luminescence, 2018, 196, 290-293.	3.1	17
23	Facile preparation of waterâ€dispersible graphene nanosheets by covalent functionalization with poly(3â€aminobenzene sulfonic acid). Polymer Engineering and Science, 2012, 52, 1854-1861.	3.1	16
24	Intense green-emitting Sr2LiSiO4F:Eu2+ phosphor for n-UV white LEDs. Applied Physics A: Materials Science and Processing, 2009, 97, 549-552.	2.3	15
25	Temperature and excitation power-resistant white-light emission of the -phase phosphor. Solid State Communications, 2010, 150, 329-332.	1.9	14
26	Luminescent Properties of BaSi2O5:Eu2+Phosphor Film Fabricated by Spin-Coating of Ba-Eu Precursor on SiO2Glass. Journal of the Optical Society of Korea, 2014, 18, 45-49.	0.6	14
27	ACâ€Driven Ultravioletâ€Electroluminescence from an Allâ€Solutionâ€Processed CaSiO₃:Pr³⁺ Thin Film Based on a Metalâ€Oxideâ€Semiconductor Structure. Advanced Materials Interfaces, 2022, 9, .	3.7	13
28	Fabrication of a Functionally Graded Copper-Zinc Sulfide Phosphor. Scientific Reports, 2016, 6, 23064.	3.3	11
29	Efficient Luminescence of Sr2Si5N8:Eu2+ nanophosphor and its film applications to LED and Solar cell as a downconverter. Scientific Reports, 2020, 10, 1475.	3.3	11
30	New Green Phosphor (Ba1.2Ca0.8-xEux)SiO4for White-Light-Emitting Diode. Japanese Journal of Applied Physics, 2010, 49, 020214.	1.5	10
31	A one-pot four-component domino protocol for the synthesis of indole and coumarin containing pyridine-3-carbonitrile derivatives. Monatshefte FÃ¼r Chemie, 2019, 150, 691-702.	1.8	10
32	Effect of initial pH on nanophosphor Î²-Ga2O3:Eu3+ prepared through solâ€“gel process. Journal of Luminescence, 2007, 122-123, 710-713.	3.1	9
33	Luminescent properties of CaSc2O4:Ce3+ green phosphor for white LED and its optical simulation. Optical Materials, 2019, 98, 109501.	3.6	9
34	Thermal durability of YAG:Ce ceramic with containing Al2O3 and its Raman analysis. Journal of Luminescence, 2020, 222, 117077.	3.1	9
35	Single-crystalline Zn2SiO4:Mn2+ luminescent film on amorphous quartz glass. Journal of Alloys and Compounds, 2021, 855, 157343.	5.5	9
36	Low-power alternating-current electroluminescence from Ga2O3:Tb3+/SiOx-based metal-oxide-silicon structure by rapid thermal annealing method and solution-based technique. Thin Solid Films, 2022, 754, 139316.	1.8	9

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37	Multifunctional Flexible Device Based on Phosphor on Piezoelectric Polymer: Lighting, Speaking, and Pressureâ€Light Converting. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1701071.	1.8	7
38	Lowerâ€Voltage Electroluminescence of Green Zinc Silicate on SiO_x Interface in Metalâ€“Oxideâ€“Semiconductor Structure. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100440.	1.8	7
39	Red ZnGa2O4:Cr3+ powder electroluminescence co-generating sounds with a longer lifetime and no thermal quenching behaviors. Journal of Luminescence, 2022, 241, 118475.	3.1	7
40	Synthesis and optical properties of Cs4PbBr6 perovskite nanocrystals by the water assisted solid-state reaction (WASSR) method. Inorganic Chemistry Frontiers, 2021, 8, 2036-2041.	6.0	5
41	White light generation through yellow nanophosphor and blue organic lightâ€emitting diode. Physica Status Solidi (B): Basic Research, 2009, 246, 897-899.	1.5	4
42	Facile Preparation of Water-Dispersible Adenosine-Functionalized Graphene Nanosheets. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2011, 41, 1257-1262.	0.6	4
43	AC-Driven Ultraviolet-B Electroluminescence From Gd³⁺-Doped ZnGa₂O₄ Film on SiO_x/Silicon Substrate. IEEE Electron Device Letters, 2022, 43, 1267-1270.	3.9	4
44	Fabrication of core/shell structured SiO2/Zn2SiO4:Mn2+ composite and its photoluminescence properties. Journal of the Korean Physical Society, 2017, 71, 370-373.	0.7	3
45	Triethylamine-catalyzed unprecedented synthesis of 2-amino-4-phenylbenzo [4, 5] imidazo [1,2-a] pyrimidine-3-carbonitrile under solvent free condition. Synthetic Communications, 2021, 51, 1913-1922.	2.1	3
46	White-electroluminescent device with horizontally patterned blue/yellow phosphor-layer structure. Journal of Luminescence, 2007, 127, 531-533.	3.1	2
47	Optical Properties of Yellow EuSi2O2N2 Nanophosphor. Journal of Nanoscience and Nanotechnology, 2016, 16, 1700-1702.	0.9	2
48	Synthesis of zinc-gallate phosphors by biomineralization and their emission properties. Acta Biomaterialia, 2019, 97, 557-564.	8.3	2
49	Effective Yellow Y₃Al₅O₁₂:Ce³⁺ Nanophosphor for Lightâ€Emitting Diode and Photovoltaic Cell as a Downconverter. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000178.	1.8	2
50	Pâ€179L: Lateâ€News Poster: Chemical Stability Enhancement of K₂SiF₆:Mn⁴⁺ by Metal (Oxide) Coating. Digest of Technical Papers SID International Symposium, 2014, 45, 1324-1324.	0.3	1
51	Pâ€209: Lateâ€Newsâ€Poster: Electroluminescent Speaker. Digest of Technical Papers SID International Symposium, 2020, 51, 1682-1684.	0.3	1
52	Pâ€213: Lateâ€Newsâ€Poster: Electroluminescence of Oxide Phosphor in Metalâ€Oxideâ€Semiconductor Structure. Digest of Technical Papers SID International Symposium, 2020, 51, 1787-1789.	0.3	1
53	Metal-free regioselective construction of 2-aryl-substituted quinolines via Aza-Henry (Nitro-Mannich) reactions under neat conditions. Synthetic Communications, 2020, 50, 3652-3660.	2.1	1
54	Preparation of Gold Nanoparticles/Graphene Hybrid Using 4-Mercaptobenzoyl Functionalized Graphene Nanosheets as Templates. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 40-45.	0.6	0

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55	Pâ€178L: Lateâ€News Poster: Blueâ€green BaSi₂O₂N₂:Eu²⁺ Phosphor for Lightâ€Emitting Diode. Digest of Technical Papers SID International Symposium, 2014, 45, 1322-1323.	0.3	0
56	Magnetic and microstructural properties type-B MnAs grains grown on GaAs substrate. Solid State Communications, 2014, 193, 16-19.	1.9	0