

Jong Su Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1624103/publications.pdf>

Version: 2024-02-01

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	Red ZnGa ₂ O ₄ :Cr ³⁺ powder electroluminescence co-generating sounds with a longer lifetime and no thermal quenching behaviors. Journal of Luminescence, 2022, 241, 118475.	3.1	7
2	AC-Driven Ultraviolet-C Electroluminescence from an All-Solution-Processed CaSiO ₃ :Pr ³⁺ Thin Film Based on a Metal-Oxide Semiconductor Structure. Advanced Materials Interfaces, 2022, 9, .	3.7	13
3	Low-power alternating-current electroluminescence from Ga ₂ O ₃ :Tb ³⁺ /SiO _x -based metal-oxide-silicon structure by rapid thermal annealing method and solution-based technique. Thin Solid Films, 2022, 754, 139316.	1.8	9
4	AC-Driven Ultraviolet-B Electroluminescence From Gd ³⁺ -Doped ZnGa ₂ O ₄ Film on SiO _x /Silicon Substrate. IEEE Electron Device Letters, 2022, 43, 1267-1270.	3.9	4
5	Single-crystalline Zn ₂ SiO ₄ :Mn ²⁺ luminescent film on amorphous quartz glass. Journal of Alloys and Compounds, 2021, 855, 157343.	5.5	9
6	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
7	Lower-Voltage Electroluminescence of Green Zinc Silicate on SiO _x Interface in Metal-Oxide Semiconductor Structure. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100440.	1.8	7
8	Synthesis and optical properties of Cs ₄ PbBr ₆ perovskite nanocrystals by the water assisted solid-state reaction (WASSR) method. Inorganic Chemistry Frontiers, 2021, 8, 2036-2041.	6.0	5
9	P-209: Late-News-Poster: Electroluminescent Speaker. Digest of Technical Papers SID International Symposium, 2020, 51, 1682-1684.	0.3	1
10	P-213: Late-News-Poster: Electroluminescence of Oxide Phosphor in Metal-Oxide Semiconductor Structure. Digest of Technical Papers SID International Symposium, 2020, 51, 1787-1789.	0.3	1
11	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
12	Effective Yellow Y ₃ Al ₅ O ₁₂ :Ce ³⁺ Nanophosphor for Light-Emitting Diode and Photovoltaic Cell as a Downconverter. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000178.	1.8	2
13	Thermal durability of YAG:Ce ceramic with containing Al ₂ O ₃ and its Raman analysis. Journal of Luminescence, 2020, 222, 117077.	3.1	9
14	Efficient Luminescence of Sr ₂ Si ₅ N ₈ :Eu ²⁺ nanophosphor and its film applications to LED and Solar cell as a downconverter. Scientific Reports, 2020, 10, 1475.	3.3	11
15	Synthesis of zinc-gallate phosphors by biomineralization and their emission properties. Acta Biomaterialia, 2019, 97, 557-564.	8.3	2
16	Luminescent properties of CaSc ₂ O ₄ :Ce ³⁺ green phosphor for white LED and its optical simulation. Optical Materials, 2019, 98, 109501.	3.6	9
17	A one-pot four-component domino protocol for the synthesis of indole and coumarin containing pyridine-3-carbonitrile derivatives. Monatshefte für Chemie, 2019, 150, 691-702.	1.8	10
18	Multifunctional Device based on phosphor-piezoelectric PZT: lighting, speaking, and mechanical energy harvesting. Scientific Reports, 2018, 8, 301.	3.3	22

#	ARTICLE	IF	CITATIONS
19	Optical and electrical properties of Zn ₂ SiO ₄ :Mn ²⁺ powder electroluminescent device. Journal of Luminescence, 2018, 196, 290-293.	3.1	17
20	Multifunctional Flexible Device Based on Phosphor on Piezoelectric Polymer: Lighting, Speaking, and Pressure-Light Converting. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1701071.	1.8	7
21	Phosphor-Aluminum Composite for Energy Recycling with High-Power White Lighting. Advanced Optical Materials, 2017, 5, 1700347.	7.3	66
22	Fabrication of core/shell structured SiO ₂ /Zn ₂ SiO ₄ :Mn ²⁺ composite and its photoluminescence properties. Journal of the Korean Physical Society, 2017, 71, 370-373.	0.7	3
23	Optical Properties of Yellow EuSi ₂ O ₂ N ₂ Nanophosphor. Journal of Nanoscience and Nanotechnology, 2016, 16, 1700-1702.	0.9	2
24	Highly Conductive PEDOT:PSS Films with 1,3-Dimethyl-2-imidazolidinone as Transparent Electrodes for Organic Light-Emitting Diodes. Macromolecular Rapid Communications, 2016, 37, 1427-1433.	3.9	24
25	Fabrication of a Functionally Graded Copper-Zinc Sulfide Phosphor. Scientific Reports, 2016, 6, 23064.	3.3	11
26	Bridging homogeneous and heterogeneous catalysis with CAN-SiO ₂ as a solid catalyst for four-component reactions for the synthesis of tetrasubstituted pyrroles. New Journal of Chemistry, 2015, 39, 396-402.	2.8	25
27	P³L: <i>Late-News Poster</i>: Chemical Stability Enhancement of K ₂ SiF ₆ :Mn ⁴⁺ by Metal (Oxide) Coating. Digest of Technical Papers SID International Symposium, 2014, 45, 1324-1324.	0.3	1
28	P³L: <i>Late-News Poster</i>: Blue-green BaSi ₂ O ₂ N ₂ :Eu ²⁺ Phosphor for Light-Emitting Diode. Digest of Technical Papers SID International Symposium, 2014, 45, 1322-1323.	0.3	0
29	Magnetic and microstructural properties type-B MnAs grains grown on GaAs substrate. Solid State Communications, 2014, 193, 16-19.	1.9	0
30	Luminescent Properties of BaSi ₂ O ₅ :Eu ²⁺ Phosphor Film Fabricated by Spin-Coating of Ba-Eu Precursor on SiO ₂ Glass. Journal of the Optical Society of Korea, 2014, 18, 45-49.	0.6	14
31	A simple synthesis method for Zn ₂ SiO ₄ :Mn ²⁺ phosphor films and their optical and luminescence properties. Journal of Luminescence, 2013, 134, 71-74.	3.1	21
32	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
33	Facile preparation of water-dispersible graphene nanosheets by covalent functionalization with poly(3-aminobenzene sulfonic acid). Polymer Engineering and Science, 2012, 52, 1854-1861.	3.1	16
34	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
35	Novel blue-emitting Sr ₃ Ga ₂ O ₅ Cl ₂ :Eu ²⁺ phosphor for UV-pumped white LEDs. Materials Letters, 2010, 64, 768-770.	2.6	19
36	Orange emission enhancement by energy transfer in Sr ₃ Al ₂ O ₅ Cl ₂ :Ce ³⁺ , Eu ²⁺ phosphor for solid-state lighting. Journal of Luminescence, 2010, 130, 117-120.	3.1	21

#	ARTICLE	IF	CITATIONS
37	White-light generation through Ce ³⁺ /Mn ²⁺ -codoped and Eu ²⁺ -doped Ba _{1.2} Ca _{0.8} SiO ₄ T-phase phosphors. Journal of Luminescence, 2010, 130, 2442-2445.	3.1	17
38	Temperature and excitation power-resistant white-light emission of the -phase phosphor. Solid State Communications, 2010, 150, 329-332.	1.9	14
39	New Green Phosphor (Ba _{1.2} Ca _{0.8-x} Eu _x)SiO ₄ for White-Light-Emitting Diode. Japanese Journal of Applied Physics, 2010, 49, 020214.	1.5	10
40	A novel blue-emitting Sr ₃ Al ₂ O ₅ Cl ₂ :Ce ³⁺ ,Li ⁺ phosphor for near UV-excited white-light-emitting diodes. Materials Letters, 2009, 63, 700-702.	2.6	37
41	Intense green-emitting Sr ₂ LiSiO ₄ F:Eu ²⁺ phosphor for n-UV white LEDs. Applied Physics A: Materials Science and Processing, 2009, 97, 549-552.	2.3	15
42	White light generation through yellow nanophosphor and blue organic light-emitting diode. Physica Status Solidi (B): Basic Research, 2009, 246, 897-899.	1.5	4
43	Ca ₂ B ₅ O ₉ Cl:Eu ²⁺ , A Suitable Blue-emitting Phosphor for n-UV Excited Solid-state Lighting. Journal of the American Ceramic Society, 2009, 92, 429-432.	3.8	39
44	Orange emissive phosphor for warm-white light-emitting diodes. Solid State Communications, 2009, 149, 1017-1020.	1.9	26
45	Effect of initial pH on nanophosphor β -Ga ₂ O ₃ :Eu ³⁺ prepared through sol-gel process. Journal of Luminescence, 2007, 122-123, 710-713.	3.1	9
46	Optical and structural properties of ZnGa ₂ O ₄ : Eu ³⁺ nanophosphor by hydrothermal method. Journal of Luminescence, 2007, 122-123, 851-854.	3.1	22
47	White-electroluminescent device with ZnS:Mn, Cu, Cl phosphor. Journal of Luminescence, 2007, 126, 566-570.	3.1	62
48	White-electroluminescent device with horizontally patterned blue/yellow phosphor-layer structure. Journal of Luminescence, 2007, 127, 531-533.	3.1	2
49	White-light-emitting phosphor: CaMgSi ₂ O ₆ :Eu ²⁺ , Mn ²⁺ and its related properties with blending. Applied Physics Letters, 2006, 89, 221916.	3.3	86
50	Temperature-dependent emission spectra of M ₂ SiO ₄ :Eu ²⁺ (M=Ca, Sr, Ba) phosphors for green and greenish white LEDs. Solid State Communications, 2005, 133, 445-448.	1.9	378
51	Full-color Ba ₃ MgSi ₂ O ₈ :Eu ²⁺ , Mn ²⁺ phosphors for white-light-emitting diodes. Solid State Communications, 2005, 135, 21-24.	1.9	139
52	Optical and Structural Properties of Eu ²⁺ -doped (Sr _{1-x} Ba _x) ₂ SiO ₄ phosphors. Journal of the Electrochemical Society, 2005, 152, H135.	2.9	64
53	Correlation between the crystalline environment and optical property of Mn ²⁺ ions in ZnGa ₂ O ₄ : Mn ²⁺ phosphor. Applied Physics Letters, 2005, 86, 091912.	3.3	51
54	GaN-Based White-Light-Emitting Diodes Fabricated with a Mixture of Ba ₃ MgSi ₂ O ₈ :Eu ²⁺ and Sr ₂ SiO ₄ :Eu ²⁺ Phosphors. Japanese Journal of Applied Physics, 2004, 43, 989-992.	1.5	68

#	ARTICLE	IF	CITATIONS
55	Energy transfer among three luminescent centers in full-color emitting ZnGa ₂ O ₄ :Mn ²⁺ , Cr ³⁺ phosphors. Solid State Communications, 2004, 131, 493-497.	1.9	51
56	Optical and structural properties of nanosized ZnGa ₂ O ₄ :Cr ³⁺ phosphor. Solid State Communications, 2004, 131, 735-738.	1.9	80