

Kiwan Jang

List of Publications by Year in descending order

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49
papers

1,075
citations

394421

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all docs

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docs citations

49
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	White Light Emission from NaCaPO ₄ :Dy ³⁺ Phosphor for Ultraviolet-Based White Light-Emitting Diodes. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3857-3861.	3.8	146
2	White light generation from Dy ³⁺ -doped ZnO-B ₂ O ₃ -P ₂ O ₅ glasses. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	121
3	Greenish-Yellow Emission from Dy ³⁺ -Doped Y ₂ O ₃ Nanophosphors. <i>Journal of the American Ceramic Society</i> , 2010, 93, 494-499.	3.8	87
4	Photoluminescence characteristics of Sm ³⁺ -doped Ba ₂ CaWO ₆ as new orange-red emitting phosphors. <i>Journal of Luminescence</i> , 2014, 152, 133-137.	3.1	76
5	Investigation of the structure and photoluminescence properties of Eu ³⁺ ion-activated Y ₆ W _x Mo _(1-x) phosphors. <i>Journal of Applied Physics</i> , 2011, 110, 073101.	3.7	57
6	Color-conversion and photoluminescence properties of Ba ₂ MgW(Mo)O ₆ :Eu phosphor. <i>Journal of Alloys and Compounds</i> , 2011, 509, 8788-8793.	5.5	49
7	Photoluminescence Properties of Novel Host-Sensitized Y ₆ W _x Mo _(1-x) :Dy ³⁺ Phosphors. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2170-2176.	3.8	46
8	Controllable synthesis of uniform CaMoO ₄ :Eu ³⁺ , M ³⁺ (M = Li, Na,) phosphors. <i>Journal of Applied Physics</i> , 2011, 110, 073101.	3.6	45
9	Luminescent properties of orange emissive Sm ³⁺ -activated thermally stable phosphate phosphor for optical devices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 563-567.	3.9	38
10	Enhanced red emission from YVO ₄ :Eu ³⁺ nano phosphors prepared by simple Co-Precipitation Method. <i>Electronic Materials Letters</i> , 2011, 7, 161-165.	2.2	35
11	Combustion Synthesis and Luminescent Properties of Nano and Submicrometer-Size Gd ₂ O ₃ :Dy ³⁺ Phosphors for White LEDs. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 709-717.	2.1	28
12	Distinct composite structure and properties of Eu(phen) ₂ Cl ₃ (H ₂ O) ₂ in poly(methyl methacrylate) and polyvinylpyrrolidone. <i>Journal of Applied Polymer Science</i> , 2004, 92, 3524-3530.	2.6	27
13	Solvothermal synthesis of red and green emitting Ca _{1.65} Sr _{0.35} SiO ₄ :Eu ³⁺ and Ca _{1.65} Sr _{0.35} SiO ₄ :Eu ²⁺ phosphors for solid-state lighting applications. <i>Ceramics International</i> , 2014, 40, 5245-5254.	4.8	26
14	Luminescence and thermal-quenching properties of Dy ³⁺ -doped Ba ₂ CaWO ₆ phosphors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 458-462.	3.9	26
15	Microwave-Assisted Synthesis, Characterization of Reduced Graphene Oxide, and Its Antibacterial Activity. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2034-2038.	1.9	26
16	Soluble silica assisted synthesis and luminescent characteristics of yellow emitting CaSrSiO ₄ :Eu ²⁺ phosphors for warm white light production. <i>Ceramics International</i> , 2015, 41, 5547-5553.	4.8	23
17	Eu ³⁺ luminescence in Eu-doped KMgF ₃ crystals investigated by site-selective laser-excitation spectroscopy. <i>Physical Review B</i> , 2004, 70, .	3.2	22
18	Luminescence and microstructure of Sm ²⁺ ions reduced by x-ray irradiation in Li ₂ O-SrO-B ₂ O ₃ glass. <i>Journal of Applied Physics</i> , 2008, 103, 113519.	2.5	22

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19	A highly efficient warm white light-emitting Eu ²⁺ -activated silicate host: another striking application of mesoporous silica. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6630-6636.	5.5	20
20	Mesoporous silica: a highly promising and compatible candidate for optical and biomedical applications. <i>RSC Advances</i> , 2014, 4, 5953.	3.6	15
21	Environmentally benign perfluorooctanesulfonate alternatives using a Zn/CuI mediated Michael-type addition in imidazolium ionic liquids. <i>Green Chemistry</i> , 2014, 16, 2406-2410.	9.0	15
22	Probing dual mode emission of Eu ³⁺ in garnet phosphor. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	14
23	SINGLE-PHASED AND EMISSION-TUNABLE CaLa _{2-x} Eu _x ZnO ₅ PHOSPHORS WITH BLUE LIGHT EXCITATION FOR WLEDS. <i>Functional Materials Letters</i> , 2011, 04, 79-82.	1.2	12
24	Synthesis of a novel hierarchical mesoporous organic-inorganic nanohybrid using polyhedral oligomeric silsesquioxane bricks. <i>New Journal of Chemistry</i> , 2014, 38, 2766-2769.	2.8	10
25	Photoluminescence Characteristics of Reddish-orange Eu ³⁺ or Sm ³⁺ Singly-doped and Eu ³⁺ and Sm ³⁺ Co-doped KZnGd(PO ₄) ₂ Phosphors. <i>Journal of the Korean Physical Society</i> , 2011, 58, 306-310.	0.7	10
26	Photoluminescence Characteristics of a New Thiogallate-Based Green-Emitting Phosphor: MgGa ₂ S ₄ :Eu ³⁺ . <i>Journal of the American Ceramic Society</i> , 2013, 96, 1821-1826.	3.8	9
27	POSS-based luminescent hybrid material for enhanced photo-emitting properties. <i>Journal of Materials Science</i> , 2013, 48, 7533-7539.	3.7	8
28	Low-temperature synthesis of luminescent and mesoporous ¹² -NaYF ₄ microspheres via polyol-mediated solvothermal route. <i>RSC Advances</i> , 2013, 3, 4763.	3.6	7
29	Photo-luminescence Properties of CuCl Quantum Dots and the Dependence of Biexciton Formation Rates on Quantum Dot Sizes. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 3723-3727.	1.6	6
30	Synthesis and photoluminescence characteristics of BaY ₂ ZnO ₅ :Eu ³⁺ phosphors fabricated by using both high-energy ball milling and a solid-state reaction. <i>Journal of the Korean Physical Society</i> , 2012, 61, 2011-2016.	0.7	6
31	A novel efficient mesoporous silica assisted green emitting phosphors-an exotic remote phosphor with high quantum yield. <i>RSC Advances</i> , 2015, 5, 44192-44197.	3.6	6
32	The dependence of luminescence on reduction of Sm ²⁺ ions doped in lithium barium borate glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 97, 663-669.	2.3	5
33	Regulation of Phosphor's Color Gamut Area Using Mesoporous Silicate Source—A New Paradigm for the Solid-State Lighting Segment. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1520-1527.	3.8	5
34	Synthesis and characterization of Eu ³⁺ doped Gd ₂ O ₃ nanotubes using multi wall carbon nanotubes as removable templates. <i>Metals and Materials International</i> , 2013, 19, 507-511.	3.4	4
35	Optical properties and carrier dynamics of CaSrSiO ₄ :Eu ³⁺ phosphors prepared by using the solid-state reaction method. <i>Journal of the Korean Physical Society</i> , 2014, 64, 1721-1725.	0.7	4
36	Optical Hole-Burning Properties of Sm ²⁺ -Doped Strontium Borates. <i>Journal of the Physical Society of Japan</i> , 2006, 75, 054709.	1.6	3

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37	Yellow-to-violet, blue, and green frequency upconversions in Nd ³⁺ -doped PbWO ₄ single crystal. Journal of Applied Physics, 2006, 100, 083513.	2.5	3
38	Optical properties of CaSrSiO ₄ :Eu ²⁺ phosphors prepared by using a solid-state reaction method for white light-emitting diodes. Journal of the Korean Physical Society, 2015, 67, 556-562.	0.7	3
39	Optical Properties of Eu ³⁺ in Yttrium Oxide Crystals Prepared by a Forced Hydrolysis Method. Journal of the Physical Society of Japan, 1999, 68, 2825-2828.	1.6	2
40	Composition-dependent behavior of Co(d7) optical transitions in Cd _{1-x} Co _x Ga ₂ S ₄ mixed crystals. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2924-2928.	1.8	2
41	Optical Dephasing of Eu ³⁺ in Yttrium Oxide Crystals. Journal of the Physical Society of Japan, 1998, 67, 3969-3971.	1.6	1
42	Luminescent Properties of Organic Electroluminescent Devices Using Alq ₃ and TPD Materials with CuPc, Buffer Layer. Molecular Crystals and Liquid Crystals, 2000, 349, 471-474.	0.3	1
43	Anomalous dependence of photoluminescence properties on composition x in Cd _{1-x} Mn _x Ga ₂ S ₄ mixed crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2915-2918.	0.8	1
44	Electrical properties of BiFeO ₃ and (Bi _{0.9} Eu _{0.1})(Fe _{0.9} Mn _{0.1})O ₃ thin films. Journal of the Korean Physical Society, 2012, 60, 193-197.	0.7	1
45	Tb ³⁺ and Eu ³⁺ doped zinc phosphate glasses for solid state lighting applications. AIP Conference Proceedings, 2018, , .	0.4	1
46	Peculiar Optical Characteristics of Different Silicate Source and Synthesis Technique in Europium Doped Li ₂ SrSiO ₄ . Journal of the Korean Physical Society, 2018, 72, 1350-1355.	0.7	1
47	Temporal Behavior of Spectral Hole Depth and Influence of SnO on Spectral Hole Burning in CuCl Doped Glass. Journal of the Physical Society of Japan, 2002, 71, 2048-2051.	1.6	0
48	Optical absorption spectra of substitutional Co ²⁺ ions in Mg _x Cd _{1-x} Se alloys. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2661-2664.	0.8	0
49	Enhancement of Carbon Nanofilaments Formation Density and the Surface Electrical Conductivity by the Gas Phase Composition Cycling. Molecular Crystals and Liquid Crystals, 2009, 513, 179-186.	0.9	0