

Kiwan Jang

List of Publications by Year in descending order

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49
papers

1,075
citations

394421

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395702

33
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all docs

49
docs citations

49
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Tb ³⁺ and Eu ³⁺ doped zinc phosphate glasses for solid state lighting applications. AIP Conference Proceedings, 2018, , .	0.4	1
2	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
3	Microwave-assisted Synthesis, Characterization of Reduced Graphene Oxide, and Its Antibacterial Activity. Bulletin of the Korean Chemical Society, 2015, 36, 2034-2038.	1.9	26
4	Soluble silica assisted synthesis and luminescent characteristics of yellow emitting CaSrSiO ₄ :Eu ²⁺ phosphors for warm white light production. Ceramics International, 2015, 41, 5547-5553.	4.8	23
5	Regulation of Phosphor's Color Gamut Area Using Mesoporous Silicate Source—A New Paradigm for the Solid-state Lighting Segment. Journal of the American Ceramic Society, 2015, 98, 1520-1527.	3.8	5
6	Controllable synthesis of uniform CaMoO ₄ :Eu ³⁺ , M ³⁺ (M = Li, Na,) Tj ETQq0.0 rgBT /Overlock 1	3.6	45
7	A novel efficient mesoporous silica assisted green emitting phosphors-an exotic remote phosphor with high quantum yield. RSC Advances, 2015, 5, 44192-44197.	3.6	6
8	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
9	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. Ceramics International, 2014, 40, 5245-5254.	4.8	26
10	Luminescence and thermal-quenching properties of Dy ³⁺ -doped Ba ₂ CaWO ₆ phosphors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 458-462.	3.9	26
11	Photoluminescence characteristics of Sm ³⁺ -doped Ba ₂ CaWO ₆ as new orange-red emitting phosphors. Journal of Luminescence, 2014, 152, 133-137.	3.1	76
12	Mesoporous silica: a highly promising and compatible candidate for optical and biomedical applications. RSC Advances, 2014, 4, 5953.	3.6	15
13	Optical properties and carrier dynamics of CaSrSiO ₄ :Eu ³⁺ phosphors prepared by using the solid-state reaction method. Journal of the Korean Physical Society, 2014, 64, 1721-1725.	0.7	4
14	A highly efficient warm white light-emitting Eu ²⁺ -activated silicate host: another striking application of mesoporous silica. Journal of Materials Chemistry C, 2014, 2, 6630-6636.	5.5	20
15	Environmentally benign perfluorooctanesulfonate alternatives using a Zn/CuI mediated Michael-type addition in imidazolium ionic liquids. Green Chemistry, 2014, 16, 2406-2410.	9.0	15
16	Synthesis of a novel hierarchical mesoporous organic-inorganic nanohybrid using polyhedral oligomeric silsesquioxane bricks. New Journal of Chemistry, 2014, 38, 2766-2769.	2.8	10
17	Luminescent properties of orange emissive Sm ³⁺ -activated thermally stable phosphate phosphor for optical devices. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 563-567.	3.9	38
18	Photoluminescence Properties of Novel Host-sensitized <sc><sc>Y</sc></sc>₆<sc><sc>WO</sc></sc>₁₂<sc><sc>Dy</sc></sc>³⁺⁴⁺ Phosphors. Journal of the American Ceramic Society, 2014, 97, 2170-2176.	3.8	46

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19	POSS-based luminescent hybrid material for enhanced photo-emitting properties. Journal of Materials Science, 2013, 48, 7533-7539.	3.7	8
20	Synthesis and characterization of Eu ³⁺ doped Gd ₂ O ₃ nanotubes using multi wall carbon nanotubes as removable templates. Metals and Materials International, 2013, 19, 507-511.	3.4	4
21	Low-temperature synthesis of luminescent and mesoporous Eu^{2+} -NaYF ₄ microspheres via polyol-mediated solvothermal route. RSC Advances, 2013, 3, 4763.	3.6	7
22	Probing dual mode emission of Eu ³⁺ in garnet phosphor. Journal of Applied Physics, 2013, 113, .	2.5	14
23	Photoluminescence Characteristics of a New Thiogallate-Based Green-Emitting Phosphor: $\text{MgGa}_2\text{S}_4:\text{Eu}^{2+}$. Journal of the American Ceramic Society, 2013, 96, 1821-1826.	3.8	8
24	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
25	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. Journal of the Korean Physical Society, 2012, 61, 2011-2016.	0.7	6
26	Investigation of the structure and photoluminescence properties of Eu ³⁺ ion-activated Y ₆ W _x Mo _(1-x) O ₁₀ phosphors. Journal of Applied Physics, 2011, 110, 043101.	0.7	57
27	Color-conversion and photoluminescence properties of Ba ₂ MgW(Mo)O ₆ :Eu phosphor. Journal of Alloys and Compounds, 2011, 509, 8788-8793.	5.5	49
28	Combustion Synthesis and Luminescent Properties of Nano and Submicrometer-Size Gd ₂ O ₃ :Dy ³⁺ Phosphors for White LEDs. International Journal of Applied Ceramic Technology, 2011, 8, 709-717.	2.1	28
29	Enhanced red emission from YVO ₄ :Eu ³⁺ nano phosphors prepared by simple Co-Precipitation Method. Electronic Materials Letters, 2011, 7, 161-165.	2.2	35
30	SINGLE-PHASED AND EMISSION-TUNABLE CaLa _{2-x} Eu _x ZnO ₅ PHOSPHORS WITH BLUE LIGHT EXCITATION FOR WLEDS. Functional Materials Letters, 2011, 04, 79-82.	1.2	12
31	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. Journal of the Korean Physical Society, 2011, 58, 306-310.	0.7	10
32	Greenish-Yellow Emission from Dy ³⁺ -Doped Y ₂ O ₃ Nanophosphors. Journal of the American Ceramic Society, 2010, 93, 494-499.	3.8	87
33	White Light Emission from NaCaPO ₄ :Dy ³⁺ Phosphor for Ultraviolet-Based White Light-Emitting Diodes. Journal of the American Ceramic Society, 2010, 93, 3857-3861.	3.8	146
34	The dependence of luminescence on reduction of Sm ²⁺ ions doped in lithium barium borate glasses. Applied Physics A: Materials Science and Processing, 2009, 97, 663-669.	2.3	5
35	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
36	White light generation from Dy ³⁺ -doped ZnO-B ₂ O ₃ -P ₂ O ₅ glasses. Journal of Applied Physics, 2009, 106, .	2.5	121

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37	Luminescence and microstructure of Sm ²⁺ ions reduced by x-ray irradiation in Li ₂ O–SrO–B ₂ O ₃ glass. Journal of Applied Physics, 2008, 103, 113519.	2.5	22
38	Optical Hole-Burning Properties of Sm ²⁺ -Doped Strontium Borates. Journal of the Physical Society of Japan, 2006, 75, 054709.	1.6	3
39	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
40	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
41	Composition-dependent behavior of Co(d ⁷) optical transitions in Cd _{1-x} CoxGa ₂ S ₄ mixed crystals. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2924-2928.	1.8	2
42	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
43	Eu ³⁺ luminescence in Eu-doped KMgF ₃ crystals investigated by site-selective laser-excitation spectroscopy. Physical Review B, 2004, 70, .	3.2	22
44	Distinct composite structure and properties of Eu(phen) ₂ Cl ₃ (H ₂ O) ₂ in poly(methyl methacrylate) and polyvinylpyrrolidone. Journal of Applied Polymer Science, 2004, 92, 3524-3530.	2.6	27
45	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
46	Photo-luminescence Properties of CuCl Quantum Dots and the Dependence of Biexciton Formation Rates on Quantum Dot Sizes. Journal of the Physical Society of Japan, 2001, 70, 3723-3727.	1.6	6
47	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
48	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
49	Optical Dephasing of Eu ³⁺ in Yttrium Oxide Crystals. Journal of the Physical Society of Japan, 1998, 67, 3969-3971.	1.6	1