

Sun Woog Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	New Y ₂ LuCaAl ₂ SiO ₁₂ :Ln (Ln = Ce ³⁺ , Eu ³⁺), Tj ETQq1 1336-1345.	3.0	73
2	Unusual, broad red emission of novel Ce ³⁺ -activated Sr ₃ Sc ₄ O ₉ phosphors under visible-light excitation. Journal of Materials Chemistry C, 2017, 5, 9472-9478.	2.7	67
3	Efficient Red Emission of Blue-Light Excitable New Structure Type NaMgPO ₄ :Eu ²⁺ Phosphor. ECS Solid State Letters, 2013, 2, R49-R51.	1.4	44
4	Discovery of novel inorganic Mn ⁵⁺ -doped sky-blue pigments based on Ca ₆ BaP ₄ O ₁₇ : Crystal structure, optical and color properties, and color durability. Dyes and Pigments, 2017, 139, 344-348.	2.0	29
5	Site engineering concept of Ce ³⁺ -activated novel orange-red emission oxide phosphors. Optical Materials Express, 2014, 4, 1770.	1.6	27
6	Novel Reddish Yellow-emitting Ce ³⁺ -Doped Ba ₃ Sc ₄ O ₉ Phosphors for Blue-light-based White LEDs. Chemistry Letters, 2014, 43, 828-830.	0.7	23
7	Blue-light-pumped wide-band red emission in a new Ce ³⁺ -activated oxide phosphor, BaCa ₂ Y ₆ O ₁₂ :Ce ³⁺ : Melt synthesis and photoluminescence study based on crystallographic analyses. Journal of Alloys and Compounds, 2019, 797, 1181-1189.	2.8	23
8	Enhancement in Photoluminescence of Gd ₂ O ₂ CO ₃ :Tb ³⁺ Submicron Particles by Introducing Yttrium into the Oxycarbonate Lattice. Journal of the Electrochemical Society, 2010, 157, J181.	1.3	22
9	Environmentally friendly Rb ₃ V ₅ O ₁₄ fluorescent red pigment. Dyes and Pigments, 2017, 136, 219-223.	2.0	20
10	Development of a novel nontoxic vivid violet inorganic pigment “ Mn ³⁺ -doped LaAlGe ₂ O ₇ . Dyes and Pigments, 2017, 136, 243-247.	2.0	19
11	Synthesis of Red-emitting Phosphors Based on Gadolinium Oxysulfate by a Flux Method. Electrochemistry, 2009, 77, 611-613.	0.6	18
12	Development of ¹² -SiAlON:Eu ²⁺ phosphor in glass for high-power LED- and LD-based lighting systems using original BaO-B ₂ O ₃ -ZnO-SiO ₂ (BBZS) composition glass. Journal of Alloys and Compounds, 2019, 794, 94-100.	2.8	18
13	Synthesis of Green-Emitting (La,Gd)OBr:Tb ³⁺ Phosphors. Materials, 2010, 3, 2506-2515.	1.3	17
14	Phase stabilization of red-emitting olivine-type NaMgPO ₄ :Eu ²⁺ phosphors via molten-phase quenching. Inorganic Chemistry Frontiers, 2020, 7, 4040-4051.	3.0	16
15	Improvement of luminescence properties of rubidium vanadate, RbVO ₃ , phosphors by erbium doping in the crystal lattice. New Journal of Chemistry, 2017, 41, 4788-4792.	1.4	15
16	Single Crystal Growth and Crystal Structure Analysis of Novel Orange-Red Emission Pure Nitride CaAl ₂ Si ₄ N ₈ :Eu ²⁺ Phosphor. ACS Omega, 2019, 4, 9939-9945.	1.6	13
17	Synthesis of YVO ₄ ; Nano Particles by Novel Room Temperature Synthesis Method. Science of Advanced Materials, 2015, 7, 1502-1505.	0.1	12
18	Novel Soft Chemical Synthesis Methods of Ceramic Materials. Key Engineering Materials, 0, 690, 268-271.	0.4	10

#	ARTICLE	IF	CITATIONS
19	Nanophosphors synthesized by the water-assisted solid-state reaction (WASSR) method: Luminescence properties and reaction mechanism of the WASSR method. Applied Spectroscopy Reviews, 2018, 53, 177-194.	3.4	9
20	Stabilization of novel high temperature phase yellow-emitting Yb^{3+} -type (Ba _{1-x} Eu _x Mg _y) ₂ P ₂ O ₇ phosphors using a melt synthesis technique. Inorganic Chemistry Frontiers, 2017, 4, 1562-1567.	3.0	7
21	Novel green-emitting Ho ³⁺ -doped scandate phosphors. Journal of the Ceramic Society of Japan, 2015, 123, 880-883.	0.5	5
22	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.	3.0	5
23	Development of high luminous efficacy red-emitting phosphor-in-glass for high-power LED lighting systems using our original low T _g and T _s glass. Optics Letters, 2019, 44, 6057.	1.7	5
24	Mild condition synthesis without high temperature process of Eu ²⁺ -doped barium orthosilicate nanophosphor via Water-Assisted Solid-State Reaction (WASSR) method. Journal of Alloys and Compounds, 2019, 788, 1009-1012.	2.8	4
25	Development of a cyan blue-emitting Ba ₃ La ₂ (BO ₃) ₄ :Ce ³⁺ , Tb ³⁺ phosphor for use in dental glazing materials: color tunable emission and energy transfer. RSC Advances, 2021, 11, 24949-24957.	1.7	4
26	Yellow MgV ₂ O ₆ ·2H ₂ O nanophosphor synthesized by a water-assisted solid-state reaction (WASSR) method at low temperature below 80°C. Dyes and Pigments, 2017, 145, 339-344.	2.0	3
27	Luminescence of Phosphor Balls Prepared Using Melt Quenching Synthesis Method. Materials Science Forum, 0, 883, 17-21.	0.3	2
28	Effect of Al_2O_3 Particle Size in a Slurry on the Physical Properties of Chemically Strengthened Thin Glass Prepared by the Spray Method. ACS Omega, 2020, 5, 26667-26672.	1.6	1
29	Development of novel inorganic yellowish-tacao color pigments, RbBi _{1-x} Ce _x (MoO ₄) ₂ (0 ≤ x ≤ 0.30): revealing its crystal structure and color properties. New Journal of Chemistry, 0, , .	1.4	0