

Seung-Joo Kim

List of Publications by Year in descending order

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45
papers

1,244
citations

430874

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35
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all docs

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docs citations

48
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-Processible Crystalline NiO Nanoparticles for High-Performance Planar Perovskite Photovoltaic Cells. <i>Scientific Reports</i> , 2016, 6, 30759.	3.3	166
2	Role of intermediate phase for stable cycling of Na ₇ V ₄ (P ₂ O) ₇ . <i>Journal of the American Academy of Sciences of the United States of America</i> , 2014, 111, 599-604.	7.1	136
3	Wafer-scale reliable switching memory based on 2-dimensional layered organic-inorganic halide perovskite. <i>Nanoscale</i> , 2017, 9, 15278-15285.	5.6	113
4	RbBaPO ₄ :Eu ²⁺ : a new alternative blue-emitting phosphor for UV-based white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 500-505.	5.5	96
5	Blue-silica by Eu ²⁺ -activator occupied in interstitial sites. <i>RSC Advances</i> , 2015, 5, 74790-74801.	3.6	70
6	Luminescent Properties of Rare Earth Fully Activated Apatites, LiRE ₉ (SiO ₄) ₆ O ₂ (RE = Ce, Eu, and Tb): Site Selective Crystal Field Effect. <i>Inorganic Chemistry</i> , 2015, 54, 1325-1336.	4.0	68
7	LiTa ₂ PO ₈ : a fast lithium-ion conductor with new framework structure. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22478-22482.	10.3	58
8	Eu ²⁺ -Activated Alkaline-Earth Halophosphates, M ₅ (PO ₄) ₃ X:Eu ²⁺ (M = Ca, Sr, Ba; X = F, Cl, Br) for NUV-LEDs: Site-Selective Crystal Field Effect. <i>Inorganic Chemistry</i> , 2016, 55, 8359-8370.	4.0	54
9	New Dionâ”Jacobson-Type Layered Perovskite Oxyfluorides, ASrNb ₂ O ₆ F (A = Li, Na, and Rb). <i>Chemistry of Materials</i> , 2001, 13, 906-912.	6.7	52
10	Green organophotocatalysis. TiO ₂ -induced enantioselective \pm -oxyamination of aldehydes. <i>Catalysis Science and Technology</i> , 2011, 1, 923.	4.1	45
11	X-Ray absorption spectroscopic study on LaPdO ₃ . <i>Journal of Materials Chemistry</i> , 2002, 12, 995-1000.	6.7	29
12	Unique design of superior metal-organic framework for removal of toxic chemicals in humid environment via direct functionalization of the metal nodes. <i>Journal of Hazardous Materials</i> , 2020, 398, 122857.	12.4	28
13	Crystal structure and ion conductivity of a new mixed-anion phosphate LiMg ₃ (PO ₄) ₂ O ₇ . <i>Journal of Solid State Chemistry</i> , 2015, 225, 335-339.	2.9	27
14	Structural and Electrochemical Properties of Dense Yttria-Doped Barium Zirconate Prepared by Solid-State Reactive Sintering. <i>Energies</i> , 2018, 11, 3083.	3.1	26
15	Melilite-type blue chromophores based on Mn ³⁺ in a trigonal-bipyramidal coordination induced by interstitial oxygen. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5843.	5.5	24
16	Highly Luminous and Thermally Stable Mg-Substituted Ca ₂ Mg ₂ SiO ₄ :Ce (0 \leq $x \leq$ 1) Phosphor for NUV-LEDs. <i>Inorganic Chemistry</i> , 2017, 56, 12116-12128.	4.0	23
17	Self-emitting blue and red EuOX (X = F, Cl, Br, I) materials: band structure, charge transfer energy, and emission energy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1737-1749.	2.8	22
18	B-site cation arrangement and crystal structure of layered perovskite compounds CsLn ₂ Ti ₂ NbO ₁₀ (Ln =) <i>Journal of Materials Chemistry C</i> , 2019, 7, 19000-19008.	6.7	19

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19	Structure of Li ₅ AlS ₄ and comparison with other lithium-containing metal sulfides. <i>Journal of Solid State Chemistry</i> , 2018, 257, 19-25.	2.9	15
20	Highly Enhanced Photocatalytic Water-Splitting Activity of Gallium Zinc Oxynitride Derived from Flux-Assisted Zn/Ga Layered Double Hydroxides. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 16264-16271.	3.7	13
21	Phase Transformations and Subsurface Changes in Three Dental Zirconia Grades after Sandblasting with Various Al ₂ O ₃ Particle Sizes. <i>Materials</i> , 2021, 14, 5321.	2.9	13
22	Ionic conductivity of Dion-Jacobson type oxide LiLaTa ₂ O ₇ and oxynitride LiLaTa ₂ O _{6.15} N _{0.57} measured by impedance spectroscopy. <i>Ceramics International</i> , 2015, 41, 3318-3323.	4.8	12
23	Preparation and neutron diffraction study of Dion-Jacobson type oxynitrides LiLaTa ₂ O _{7-3x} N _{2x} (x=0.09). <i>Tj ETQq</i> 1.1 0.784314 rgBT 5.2 10		
24	Investigation of the mineral components of porcelain raw material and their phase evolution during a firing process by using a Rietveld quantitative analysis. <i>Journal of the Korean Physical Society</i> , 2016, 68, 126-130.	0.7	10
25	An analytical method to characterize the crystal structure of layered double hydroxides: synthesis, characterization, and electrochemical studies of zinc-based LDH nanoplates. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8692-8699.	10.3	10
26	Dimensional modification of oxyfluoride lattice: Preparation and structure of A ₂ Nb ₂ O ₆ F (A = Na, K). <i>Tj ETQq</i> 0.0 0 rgBT 4.0 9		
27	Luminescent Properties of RbSrPO ₄ :Eu ²⁺ Phosphors for Near-UV-Based White-Light-Emitting Diodes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4662-4666.	2.0	9
28	Synthesis, crystal structure, and ionic conductivity of a new layered metal phosphate, Li ₂ Sr ₂ Al(PO ₄) ₃ . <i>Journal of Solid State Chemistry</i> , 2016, 243, 12-17.	2.9	9
29	Highly Luminous N ³⁺ -Substituted Li ₂ MSiO ₄ N _{2/3} :Eu ²⁺ (M = Ca, Sr, and Ba) for White NUV Light-Emitting Diodes. <i>ACS Omega</i> , 2019, 4, 8431-8440.	3.5	9
30	l ³ O ⁰ -Type 3D Framework of Cobalt Cinnamate and Its Efficient Electrocatalytic Activity toward the Oxygen Evolution Reaction. <i>Chemistry of Materials</i> , 2021, 33, 2804-2813.	6.7	9
31	A scalable and facile synthesis of alumina/exfoliated graphite composites by attrition milling. <i>RSC Advances</i> , 2015, 5, 93267-93273.	3.6	8
32	The crystal structure and phase transitions of LiBaPO ₄ . <i>Solid State Sciences</i> , 2018, 83, 76-81.	3.2	7
33	Mononuclear Copper Complexes with Tridentate Tris(<i>N</i> -heterocyclic carbene): Synthesis and Catalysis of Alkyne-Azide Cycloaddition. <i>Organometallics</i> , 2021, 40, 16-22.	2.3	7
34	Synthesis and Characterization of New Pyrochlore-type Oxyfluorides, APbNb ₂ O ₆ F (A = Na and K). <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 497-499.	1.9	7
35	Influence of alumina content in the raw clay on the sintering behavior of Karatsu ware. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 833-837.	1.1	6
36	Crystal structures of new layered perovskite-type oxyfluorides, CsANb ₂ O ₆ F (A = Sr and Ca) and comparison with pyrochlore-type CsNb ₂ O ₅ F. <i>Journal of Solid State Chemistry</i> , 2018, 267, 146-152.	2.9	6

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37	Highly luminous and green-emitting Eu ²⁺ activated Eu ¹ -Sr Al ₂ O ₄ (0 x 1) materials for NUV-LEDs. <i>Materials Chemistry and Physics</i> , 2019, 233, 185-193.	4.0	6
38	Transformation of Dionâ€“Jacobson-type layered oxyfluorides into new anion-deficient pyrochlore-type oxides, ASrNb ₂ O _{6.5} (A = Li and Na). <i>Journal of Materials Chemistry</i> , 2002, 12, 1001-1004.	6.7	5
39	Highly Luminous Ba ₂ SiO ₄ âˆ“N ₂ /3âˆ“Eu ²⁺ Phosphor for NUV-LEDs: Origin of PL-Enhancement by N ³⁺ -Substitution. <i>Materials</i> , 2020, 13, 1859.	2.9	2
40	Formation, thermal redox reaction and crystal structure of âˆ“CaCr ₂ O ₄ . <i>Journal of Solid State Chemistry</i> , 2022, 305, 122669.	2.9	2
41	Synthesis, Crystal Structure, and Photophysical Properties of Oneâ€“Dimensional Hydrogenâ€“bonded Assembly of Cubaneâ€“like Clusters, <scp>Cu₄I₄</scp>(mea)₄ (meaâ€“=â€“Monoethanolamine). <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 968-971.	1.9	1
42	Characterization of Linagliptinâ€“Ferulic Acid Cocrystal with Improved Thermal and Photostability. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 453-456.	1.9	1
43	Effect of the Plasma Gas Type on the Surface Characteristics of 3Y-TZP Ceramic. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3007.	4.1	1
44	Polymorphism and sodium-ion conductivity of NaTa ₂ PO ₈ synthesized via the Li ⁺ /Na ⁺ ion-exchange reaction of LiTa ₂ PO ₈ . <i>Ceramics International</i> , 2022, 48, 20712-20720.	4.8	1
45	Noncentrosymmetric Mixedâ€“Valence Copper(I, II) Chloride Framework: <i>P</i>-[Cu(II)(en)₂]₂Cu(I)₇Cl₁₁. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2948-2951.	1.9	0