Kyeong Youl Jung

List of Publications by Year
in descending order

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113 papers	2,908 citations	172207 29 h-index	197535 49 g-index
113 all docs	113 docs citations	113 times ranked	3369 citing authors

#	Article	IF	Citations
1	Y2O3:Eu3+ Nanophosphor-Coated Mica or TiO2/Mica as Red-Emitting Pearl Pigment: Coating Factors, Luminescent and Gloss Properties. Applied Sciences (Switzerland), 2021, 11, 4365.	1.3	0
2	Luminescence improvement of (Ti,Si)O2:Eu3+/Li+ spherical particles for anti-counterfeiting application. Materials Chemistry and Physics, 2021, 267, 124612.	2.0	4
3	Tuning of thermoelectric transport properties via the formation of hierarchical structures in Biâ€doped <scp> Gd ₂ O ₃ </scp> /Bi _{0.} <scp> ₅ Sb ₁ </scp> _. <scp> ₅ Te ₃ </scp>. International Journal of Energy Research, 2021, 45, 20921-20933.	2.2	3
4	Nanostructured Fe₂O₃/TiO₂ composite particles with enhanced NIR reflectance for application to LiDAR detectable cool pigments. RSC Advances, 2021, 11, 16834-16840.	1.7	12
5	Effect of calcination temperature and Ti substitution on optical properties of (Fe,Cr)₂O₃ cool black pigment prepared by spray pyrolysis. RSC Advances, 2021, 12, 72-77.	1.7	4
6	Aerosol synthesis of TiO₂:Er³⁺/Yb³⁺ submicron-sized spherical particles and upconversion optimization for application as anti-counterfeiting materials. RSC Advances, 2020, 10, 16323-16329.	1.7	10
7	Enhanced upconversion luminescence of GdVO4:Er3+/Yb3+ prepared by spray pyrolysis using organic additives. RSC Advances, 2019, 9, 20002-20008.	1.7	11
8	Improved capacitive deionization of sulfonated carbon/titania hybrid electrode. Electrochimica Acta, 2018, 270, 543-551.	2.6	37
9	Improvement of capacitive deionization performance via using a Tiron-grafted TiO2 nanoparticle layer on porous carbon electrode. Korean Journal of Chemical Engineering, 2018, 35, 272-282.	1.2	19
10	Catalytic Pyrolysis of Pinus densiflora Over Mesoporous Al₂O₃ Catalysts. Journal of Nanoscience and Nanotechnology, 2018, 18, 6300-6303.	0.9	6
11	Aerosol Synthesis of Gd2O3:Eu/Bi Nanophosphor for Preparation of Photofunctional Pearl Pigment as Security Material. Journal of the Korean Ceramic Society, 2018, 55, 461-472.	1.1	4
12	Enhancing the light conversion efficiency of dye-sensitized solar cells using nanochannel TiO2 prepared by spray pyrolysis. Electrochimica Acta, 2017, 253, 390-395.	2.6	9
13	Co-doping effect of monovalent alkali metals on optical properties of CeO2:Eu nanophosphor prepared by spray pyrolysis and application for preparing pearlescent pigments with red emission. Journal of Luminescence, 2017, 192, 1313-1321.	1.5	25
14	Synthesis and luminescence characteristics of fine-sized Ba₃Si₆O₁₂N₂:Eu green phosphor through spray pyrolysis using TEOS/Si₃N₄ mixed precursors. RSC Advances, 2017, 7, 44759-44765.	1.7	10
15	Improved porosity and ionic sorption capacity of carbon particles prepared by spray pyrolysis from an aqueous sucrose/NaHCO₃/TEOS solution. RSC Advances, 2017, 7, 21314-21322.	1.7	9
16	Preparation of Nanosized Gd2O3:Eu3+ Red Phosphor Coated on Mica Flake and Its Luminescent Property. Journal of Korean Powder Metallurgy Institute, 2017, 24, 457-463.	0.2	1
17	An aerosol synthesized CeO₂:Eu³⁺/Na⁺ red nanophosphor with enhanced photoluminescence. RSC Advances, 2016, 6, 81203-81210.	1.7	18
18	Catalytic properties of mesoporous Alâ€“Laâ€“Mn oxides prepared via spray pyrolysis. Materials Research Bulletin, 2016, 82, 76-80.	2.7	3

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19	A new strategy of spray pyrolysis to prepare porous carbon nanosheets with enhanced ionic sorption capacity. RSC Advances, 2016, 6, 1686-1693.	1.7	8
20	Amorphous GeO_x-Coated Reduced Graphene Oxide Balls with Sandwich Structure for Long-Life Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 13952-13959.	4.0	63
21	Preparation and Luminescence Optimization of CeO₂:Er/Yb Phosphor Prepared by Spray Pyrolysis. Applied Chemistry for Engineering, 2015, 26, 319-325.	0.2	2
22	Two-step spray-drying synthesis of dense and highly luminescent YAG:Ce³⁺ phosphor powders with spherical shape. RSC Advances, 2015, 5, 8345-8350.	1.7	18
23	Yolkâ€“shell structured Gd₂O₃:Eu³⁺ phosphor prepared by spray pyrolysis: the effect of preparation conditions on microstructure and luminescence properties. Physical Chemistry Chemical Physics, 2015, 17, 1325-1331.	1.3	22
24	Luminescence Characterization of SrAl₂O₄:Ho³⁺Green Phosphor Prepared by Spray Pyrolysis. Korean Chemical Engineering Research, 2015, 53, 620-626.	0.2	5
25	Improvement of Light-Harvesting Efficiency of TiO₂Granules Through Chemical Interconnection of Nanoparticles by Adding TEOT to Spray Solution. Korean Chemical Engineering Research, 2015, 53, 632-637.	0.2	0
26	Macroporous Fe₃O₄/Carbon Composite Microspheres with a Short Li⁺ Diffusion Pathway for the Fast Charge/Discharge of Lithium Ion Batteries. Chemistry - A European Journal, 2014, 20, 11078-11083.	1.7	36
27	Aerosol synthesis of macroporous silica adsorbents with high performance in paclitaxel purification from plant cell cultures. Journal of Industrial and Engineering Chemistry, 2014, 20, 3965-3969.	2.9	2
28	Enhancement of light-harvesting efficiency of dye-sensitized solar cells via forming TiO2 composite double layers with down/up converting phosphor dispersion. RSC Advances, 2014, 4, 10039.	1.7	28
29	Large-scale production of spherical Y₂O₃:Eu³⁺ phosphor powders with narrow size distribution using a two-step spray drying method. RSC Advances, 2014, 4, 62965-62970.	1.7	9
30	Large-scale production of fine-sized Zn2SiO4:Mn phosphor microspheres with a dense structure and good photoluminescence properties by a spray-drying process. RSC Advances, 2014, 4, 43606-43611.	1.7	13
31	Alumina-Precursor Nanoparticles Prepared by Partial Hydrolysis of AlCl₃ Vapor in Tubular Flow Reactor: Effect of Hydrolysis Conditions on Particle Size Distribution. Industrial & Engineering Chemistry Research, 2014, 53, 10372-10379.	1.8	11
32	One-Pot Facile Synthesis of Ant-Cave-Structured Metal Oxideâ€“Carbon Microballs by Continuous Process for Use as Anode Materials in Li-Ion Batteries. Nano Letters, 2013, 13, 5462-5466.	4.5	151
33	Enhanced Electrosorption Capacitance of Porous Carbon Particles Synthesized by Spray Pyrolysis. Journal of the Electrochemical Society, 2013, 160, E84-E89.	1.3	4
34	Evaluation of surface area of mesoporous silica adsorbents for separation and purification of paclitaxel. Microporous and Mesoporous Materials, 2013, 180, 109-113.	2.2	12
35	Synthesis and characterization of C/Cu coreâ€“shell particles by hydrogen-free spray pyrolysis assisted with citric acid and sucrose. Materials Research Bulletin, 2013, 48, 3424-3430.	2.7	5
36	Synthesis of mesoporous spherical silica via spray pyrolysis: Pore size control and evaluation of performance in paclitaxel pre-purification. Microporous and Mesoporous Materials, 2013, 165, 219-227.	2.2	42

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37	Electro-Deoxidation Behavior of Graphite Oxide in Aqueous Solution. Journal of Chemical Engineering of Japan, 2013, 46, 245-249.	0.3	1
38	Effect of Pore Size of Mesoporous Spherical Silica for the Purification of Paclitaxel from Plant Cell Cultures. KSBB Journal, 2013, 28, 208-212.	0.1	1
39	Effect of Silica-Alumina Adsorbent on the Efficiency of Paclitaxel Purification. Clean Technology, 2013, 19, 342-346.	0.1	1
40	Capacitance Improvement and Electrochemical Characteristics of Silica-Coated Carbon Electrodes for Capacitive Deionization Application. Journal of the Electrochemical Society, 2012, 159, E198-E203.	1.3	15
41	Evaluation of adsorbents for separation and purification of paclitaxel from plant cell cultures. Process Biochemistry, 2012, 47, 331-334.	1.8	18
42	Effect of urea, NH4OH, and DCCA on texture properties of alumina prepared by ultrasonic spray pyrolysis. Journal of Industrial and Engineering Chemistry, 2012, 18, 344-348.	2.9	3
43	Direct electrochemical reduction of titanium dioxide in molten lithium chloride. Journal of Industrial and Engineering Chemistry, 2012, 18, 438-442.	2.9	23
44	Luminescence characteristics and optimization of (La,Gd)Sr2(Al,B)O5:Ce phosphor for white light emitting diodes. Journal of Luminescence, 2012, 132, 1376-1381.	1.5	11
45	Catalytic Conversion of 1,2-Dichlorobenzene Over Mesoporous V2O5/TiO2 Prepared from Spray Pyrolysis. Journal of Nanoscience and Nanotechnology, 2011, 11, 1710-1713.	0.9	2
46	Catalytic Pyrolysis of Oilsand Bitumen Over Nanoporous Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 759-762.	0.9	15
47	Preparation of Mesoporous Alumina Particles by Spray Pyrolysis and Application to Double Bond Migration of 2-Butene. Journal of Nanoscience and Nanotechnology, 2011, 11, 6312-6317.	0.9	2
48	Vapor-phase synthesis of a solid precursor for Î±-alumina through a catalytic decomposition of aluminum triisopropoxide. Materials Research Bulletin, 2011, 46, 2199-2203.	2.7	3
49	Preparation of mesoporous V2O5/TiO2 via spray pyrolysis and its application to the catalytic conversion of 1, 2-dichlorobenzene. Journal of Industrial and Engineering Chemistry, 2011, 17, 144-148.	2.9	22
50	Preparation and luminescence characterization of fine-sized LaSr2AlO5:Ce phosphor prepared by spray pyrolysis. Journal of Luminescence, 2011, 131, 1487-1491.	1.5	21
51	Luminescence Comparison and Enhancement of Ce-doped Yttrium Aluminum Garnet Phosphor via Cation Substitution and Adding Flux. Journal of the Electrochemical Society, 2011, 158, H697.	1.3	18
52	Synthesis and Luminescence Enhancement of Strontium Aluminate Green Phosphor via Spray Pyrolysis. Korean Chemical Engineering Research, 2011, 49, 594-599.	0.2	5
53	Synthesis of Î±-Alumina Nanoparticles Through Partial Hydrolysis of Aluminum Chloride Vapor. Korean Chemical Engineering Research, 2011, 49, 664-668.	0.2	0
54	Influence of Nanopores of MCM-41 and SBA-15 Confining (<I>n</I>-BuCp)₂ZrCl₂ on Copolymerization of Ethylene-<I>Î±</I>-Olefin. Journal of Nanoscience and Nanotechnology, 2010, 10, 180-185.	0.9	10

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55	Effect of CTAC concentration and Al precursor type on texture properties and microstructure of mesoporous alumina particles prepared by aerosol-assisted self-assembly. Journal of the Ceramic Society of Japan, 2010, 118, 805-809.	0.5	4
56	Removal of sulfur dioxide from dibenzothiophene sulfone over Mg-based oxide catalysts prepared by spray pyrolysis. Korean Journal of Chemical Engineering, 2010, 27, 459-464.	1.2	18
57	Luminescence optimization of Eu-doped LnAl3(BO3)4 (Ln=Y, Gd) red phosphor using spray pyrolysis. Journal of Luminescence, 2010, 130, 1970-1974.	1.5	19
58	Luminescence optimization of MBO3:Eu3+ (M=Y, Gd, Al) red phosphor by spray pyrolysis using combinatorial chemistry. Physica B: Condensed Matter, 2010, 405, 3195-3199.	1.3	9
59	Luminescence comparison of YAG:Ce phosphors prepared by microwave heating and precipitation methods. Physica B: Condensed Matter, 2010, 405, 1615-1618.	1.3	24
60	Characterization of mesoporous alumina particles prepared by spray pyrolysis of Al(NO3)2Â·9H2O precursor: Effect of CTAB and urea. Microporous and Mesoporous Materials, 2010, 128, 85-90.	2.2	45
61	Preparation of (Y,Gd)3Al5-2y(Si,Mg)yO12:Ce Phosphor by Spray Pyrolysis: Effect of Precursor Type and Flux on Its Luminescence Characteristics. ECS Transactions, 2010, 28, 175-182.	0.3	2
62	Luminescence Characteristics of Y[sub 3]Al[sub 5â^'2y](Mg,Si)[sub y]O[sub 12]:Ce Phosphor Prepared by Spray Pyrolysis. Journal of the Electrochemical Society, 2010, 157, H1135.	1.3	29
63	Luminescence Optimization of M[sub 3]MgSi[sub 2]O[sub 8]:Eu[sup 2+] Phosphor by Spray Pyrolysis Combined with Combinatorial Chemistry for UV-LED Application. Journal of the Electrochemical Society, 2009, 156, J129.	1.3	10
64	Luminescence enhancement of Eu-doped calcium magnesium silicate blue phosphor for UV-LED application. Journal of Luminescence, 2009, 129, 615-619.	1.5	41
65	Preparation of Y₂O₃ Particles by Flame Spray Pyrolysis with Emulsion. Langmuir, 2009, 25, 3402-3406.	1.6	19
66	Synthesis and characterization of NiFe2O4 nanopowders via spray pyrolysis. Journal of the Ceramic Society of Japan, 2009, 117, 1069-1073.	0.5	4
67	DMF effect on the morphology and the luminescence properties of Y2O3:Eu3+ red phosphor prepared by spray pyrolysis. Journal of Industrial and Engineering Chemistry, 2008, 14, 224-229.	2.9	22
68	Effective energy transfer between Ce3+and Eu2+ in CaAl2Si2O8 host under vacuum ultraviolet illumination. Journal of Luminescence, 2008, 128, 2004-2007.	1.5	29
69	Preparation of Fine-Sized SrSi[sub 2]O[sub 2-Î´]N[sub 2+2/3Î´]:Eu[sup 2+] Phosphor by Spray Pyrolysis and its Luminescent Characteristics. Electrochemical and Solid-State Letters, 2008, 11, J64.	2.2	25
70	Effect of Precursor Type on Morphology and Vacuum Ultraviolet Characteristics of CaMgSi2O6:Eu Blue Phosphor Particles. Japanese Journal of Applied Physics, 2007, 46, 5809-5812.	0.8	4
71	Effects of Y/Gd Ratio and Boron Excess on Vacuum Ultraviolet Characteristics and Morphology of (Y,Gd)BO3:Eu Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2007, 46, 3424-3427.	0.8	3
72	Preparation of solid nickel nanoparticles by large-scale spray pyrolysis of Ni(NO3)2Â·6H2O precursor: Effect of temperature and nickel acetate on the particle morphology. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 137, 10-19.	1.7	37

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73	Enhanced luminescent properties of Y3Al5O12:Tb3+,Ce3+ phosphor prepared by spray pyrolysis. Journal of Luminescence, 2007, 126, 469-474.	1.5	80
74	Cathodoluminescence characteristics of particles and film of (Y, Zn)2O3:Eu phosphor prepared by spray pyrolysis. Journal of Luminescence, 2007, 127, 391-396.	1.5	18
75	Luminescent Properties of (Sr, Zn)Al2O4:Eu2+,B3+Particles as a Potential Green Phosphor for UV LEDs. Chemistry of Materials, 2006, 18, 2249-2255.	3.2	116
76	Nano-sized ceria particles prepared by spray pyrolysis using polymeric precursor solution. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 127, 99-104.	1.7	58
77	Preparation of CaMgSi2O6:Eu blue phosphor particles by spray pyrolysis and its VUV characteristics. Materials Chemistry and Physics, 2006, 98, 330-336.	2.0	38
78	Luminescence Characteristics of Eu-Doped Calcium Magnesium Chlorosilicate Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2006, 45, 1617-1622.	0.8	12
79	Effect of Boric Acid Flux and Drying Control Chemical Additive on the Characteristics of Y2O3:Eu Phosphor Particles Prepared by Spray Pyrolysis. Japanese Journal of Applied Physics, 2006, 45, 9083-9087.	0.8	9
80	Photoluminescence and photoactivity of titania particles prepared by the solâ€“gel technique: effect of calcination temperature. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 170, 247-252.	2.0	67
81	Improved thermal resistance of spherical BaMgAl10O17:Eu blue phosphor prepared by spray pyrolysis. Journal of Luminescence, 2005, 115, 91-96.	1.5	24
82	Phosphor layer formed from the Zn2SiO4:Mn phosphor particles with spherical shape and fine size. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 117, 210-215.	1.7	32
83	Eu-doped barium strontium silicate phosphor particles prepared from spray solution containing NH4Cl flux by spray pyrolysis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 121, 81-85.	1.7	43
84	Neutron Rietveld Analysis for Optimized CaMgSi2O6:Eu2+ and its Luminescent Properties. Journal of Materials Research, 2005, 20, 2061-2066.	1.2	24
85	Morphology control and luminescent property of Y3Al5O12:Tb particles prepared by spray pyrolysis. Materials Research Bulletin, 2005, 40, 2212-2218.	2.7	12
86	Effect of surface area and crystallite size on luminescent intensity of Y2O3:Eu phosphor prepared by spray pyrolysis. Materials Letters, 2005, 59, 2451-2456.	1.3	88
87	Correlation of photoluminescence of (Y, Ln)VO4:Eu3+ (Ln=Gd and La) phosphors with their crystal structures. Solid State Communications, 2005, 133, 651-656.	0.9	58
88	Densification and Photoluminescence Improvement of Y[sub 2]O[sub 3] Phosphor Particles Prepared by Spray Pyrolysis. Electrochemical and Solid-State Letters, 2005, 8, H17.	2.2	39
89	Luminescent Properties of (Ba,Sr)MgAl10O17:Mn,Eu Green Phosphor Prepared by Spray Pyrolysis under VUV Excitation. Chemistry of Materials, 2005, 17, 2729-2734.	3.2	86
90	Improved Cathodoluminescence of Y[sub 2]SiO[sub 5]:Ce-BAM:Eu Mixed Blue Phosphor. Electrochemical and Solid-State Letters, 2005, 8, H91.	2.2	3

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91	Fabrication of dense BaMgAl10O17:Eu2+ phosphor particles by spray pyrolysis. Journal of Alloys and Compounds, 2005, 390, 189-193.	2.8	12
92	Preparation of nano-sized BaTiO3 particle by citric acid-assisted spray pyrolysis. Journal of Alloys and Compounds, 2005, 395, 280-285.	2.8	60
93	The characteristics of nano-sized Gd-doped CeO2 particles prepared by spray pyrolysis. Journal of Alloys and Compounds, 2005, 398, 240-244.	2.8	28
94	The enhancement of photoluminescence characteristics of Eu-doped barium strontium silicate phosphor particles by co-doping materials. Journal of Alloys and Compounds, 2005, 402, 246-250.	2.8	29
95	Effect of NH4FFlux on the Characteristics of Barium Strontium Silicate Phosphor Particles. Korean Journal of Materials Research, 2005, 15, 408-412.	0.1	1
96	Red-Emitting Phosphor Particles with Spherical Shape, Dense Morphology, and High Luminescent Efficiency under Ultraviolet. Japanese Journal of Applied Physics, 2004, 43, 5302-5306.	0.8	16
97	Size-dependent luminescent properties of hollow and dense BaMgAl10O17: Eu blue phosphor particles prepared by spray pyrolysis. Korean Journal of Chemical Engineering, 2004, 21, 1072-1080.	1.2	12
98	Morphology Control and Optimization of Luminescent Property of YBO[sub 3]:Tb Phosphor Particles Prepared by Spray Pyrolysis. Journal of the Electrochemical Society, 2004, 151, H69.	1.3	45
99	Phase control and photocatalytic properties of nano-sized titania particles by gas-phase pyrolysis of TiCl4. Catalysis Communications, 2004, 5, 491-497.	1.6	40
100	Preparation of BaMgAl10O17:Eu blue phosphor by flame-assisted spray pyrolysis: photoluminescence properties of powder and film under VUV excitation. Materials Letters, 2004, 58, 2161-2165.	1.3	29
101	Photoactivity of SiO2/TiO2 and ZrO2/TiO2 mixed oxides prepared by solâ€“gel method. Materials Letters, 2004, 58, 2897-2900.	1.3	75
102	Title is missing!. Journal of Materials Science Letters, 2003, 22, 1527-1529.	0.5	3
103	Improved photoluminescence of BaMgAl10O17 blue phosphor prepared by spray pyrolysis. Journal of Luminescence, 2003, 105, 127-133.	1.5	43
104	Effect of Aluminum Polycation Solution on the Morphology and VUV Characteristics of BaMgAl[sub 10]O[sub 17] Blue Phosphor Prepared by Spray Pyrolysis. Electrochemical and Solid-State Letters, 2003, 6, H27.	2.2	15
105	In-situ investigations of the photoluminescence properties ofSiO2/TiO2binary and Boron-SiO2/TiO2ternary oxides prepared by the sol-gel method and their photocatalytic reactivity for the oxidative decomposition of trichloroethylene. International Journal of Photoenergy, 2003, 5, 31-36.	1.4	6
106	Vacuum Ultraviolet Characteristics of Fine GdPO4:Tb Phosphor Particles With Spherical Shape. Japanese Journal of Applied Physics, 2002, 41, 5590-5593.	0.8	14
107	Precursor Type Influence on the Morphology and VUV Characteristics of GdPO[sub 4]:Tb Phosphor Particles Prepared by Spray Pyrolysis. Electrochemical and Solid-State Letters, 2002, 5, H31.	2.2	9
108	Linear relationship between the crystallite size and the photoactivity of non-porous titania ranging from nanometer to micrometer size. Applied Catalysis A: General, 2002, 224, 229-237.	2.2	76

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109	Effect of calcination temperature and addition of silica, zirconia, alumina on the photocatalytic activity of titania. Korean Journal of Chemical Engineering, 2001, 18, 879-888.	1.2	34
110	Enhanced photoactivity of silica-embedded titania particles prepared by solâ€“gel process for the decomposition of trichloroethylene. Applied Catalysis B: Environmental, 2000, 25, 249-256.	10.8	220
111	Anatase-phase titania: preparation by embedding silica and photocatalytic activity for the decomposition of trichloroethylene. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 127, 117-122.	2.0	164
112	Hydrogen separation from the H2/N2 mixture by using a single and multi-stage inorganic membrane. Korean Journal of Chemical Engineering, 1999, 16, 193-201.	1.2	7
113	Title is missing!. Journal of Materials Science Letters, 1997, 16, 1848-1849.	0.5	32