

Hyunchul Jung

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

406
citations

840776

11
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

673
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of crosslinking on the CO ₂ adsorption of polyethyleneimine-impregnated sorbents. Chemical Engineering Journal, 2017, 307, 836-844.	12.7	67
2	Extremely high color rendering white light from surface passivated carbon dots and Zn-doped AgInS ₂ nanocrystals. Journal of Materials Chemistry C, 2014, 2, 4227-4232.	5.5	51
3	Effects of pore structure and PEI impregnation on carbon dioxide adsorption by ZSM-5 zeolites. Journal of Industrial and Engineering Chemistry, 2015, 23, 251-256.	5.8	43
4	Effect of amine structure on CO ₂ adsorption over tetraethylenepentamine impregnated poly methyl methacrylate supports. Separation and Purification Technology, 2014, 125, 187-193.	7.9	42
5	Fabrication of high color rendering index white LED using Cd-free wavelength tunable Zn doped CuInS ₂ nanocrystals. Optics Express, 2012, 20, 25071.	3.4	33
6	Double-Layer Structured CO ₂ Adsorbent Functionalized with Modified Polyethyleneimine for High Physical and Chemical Stability. ACS Applied Materials & Interfaces, 2018, 10, 21213-21223.	8.0	26
7	Carbon Dioxide Capture Using Poly(ethyleneimine)-Impregnated Poly(methyl methacrylate)-Supported Sorbents. Energy & Fuels, 2014, 28, 3994-4001.	5.1	18
8	Effect of amine double-functionalization on CO ₂ adsorption behaviors of silica gel-supported adsorbents. Adsorption, 2016, 22, 1137-1146.	3.0	18
9	Fabrication of White Light-Emitting Diodes Based on UV Light-Emitting Diodes with Conjugated Polymers-(CdSe/ZnS) Quantum Dots as Hybrid Phosphors. Journal of Nanoscience and Nanotechnology, 2012, 12, 5407-5411.	0.9	15
10	Development of Crosslinked PEI Solid Adsorbents for CO ₂ Capture. Energy Procedia, 2017, 114, 2287-2293.	1.8	14
11	Synthesis and Application of Non-Toxic ZnCuInS ₂ -ZnS Nanocrystals for White LED by Hybridization with Conjugated Polymer. Journal of the Electrochemical Society, 2011, 158, H1218.	2.9	13
12	Effect of Surfactant on CO ₂ Adsorption of APS-Grafted Silica Gel by One-Pot Process. Bulletin of the Chemical Society of Japan, 2016, 89, 823-832.	3.2	10
13	Effect of Amine Surface Density on CO ₂ Adsorption Behaviors of Amine-Functionalized Polystyrene. Bulletin of the Chemical Society of Japan, 2015, 88, 1317-1322.	3.2	9
14	Effect of Amine Structure on CO ₂ Adsorption of Modified Poly(ethyleneimine)-Impregnated Mesostructured Silica Sorbents. Bulletin of the Chemical Society of Japan, 2016, 89, 1462-1469.	3.2	9
15	Luminous properties of color tunable strontium thio-selenide phosphors for LEDs application. Materials Letters, 2011, 65, 2690-2692.	2.6	8
16	Spray pyrolysis prepared yellow to red color tunable Sr _{1-x} Ca _x Se:Eu ²⁺ phosphors for white LED. Optics Express, 2012, 20, 12885.	3.4	7
17	Warm with high color rendering index white light from hybridization of Ca ₂ BO ₃ Cl:Eu ²⁺ yellow phosphor and CdSe/ZnS nanocrystals. Journal of Industrial and Engineering Chemistry, 2013, 19, 1743-1746.	5.8	6
18	Characteristics of MgO-coated alkaline Earth selenide phosphor prepared by spray pyrolysis. Thin Solid Films, 2013, 546, 98-103.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Characterization of surface modified ZnCuInS ₂ nanocrystals and its application to white light-emitting diodes. <i>Applied Optics</i> , 2013, 52, 1992.	1.8	4
20	Fabrication of highly stable silica coated ZnCuInS nanocrystals monolayer via layer by layer deposition for LED application. <i>Optics Express</i> , 2014, 22, 2483.	3.4	4
21	Adsorption of Carbon Dioxide onto Tetraethylenepentamine Impregnated PMMA Sorbents with Different Pore Structure. <i>Korean Chemical Engineering Research</i> , 2015, 53, 382-390.	0.2	4
22	Preparation of Janus Silica Particles with Organo-Silane Compounds Using Polystyrene Trapping Layer. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7990-7994.	0.9	1
23	Sr _{0.95} Zn _{0.05} Se:Eu ²⁺ and CdSe/ZnS Nanocrystals Hybrid Phosphors for Enhancing Color Rendering Index of White Light Emitting Diode. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 6069-6073.	0.9	0