

# Jonghoep Yi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2288879/publications.pdf>

Version: 2024-02-01

269  
papers

9,978  
citations

34076

52  
h-index

49868

87  
g-index

273  
all docs

273  
docs citations

273  
times ranked

13791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic Removal Using Mesoporous Alumina Prepared via a Templating Method. <i>Environmental Science &amp; Technology</i> , 2004, 38, 924-931.	4.6	579
2	Kinetics of removal of chromium from water and electronic process wastewater by ion exchange resins: 1200H, 1500H and IRN97H. <i>Journal of Hazardous Materials</i> , 2003, 102, 257-275.	6.5	417
3	Selective Activation of Methane on Single-Atom Catalyst of Rhodium Dispersed on Zirconia for Direct Conversion. <i>Journal of the American Chemical Society</i> , 2017, 139, 17694-17699.	6.6	297
4	Functional analyses of nanoparticle toxicity: A comparative study of the effects of TiO <sub>2</sub> and Ag on tomatoes ( <i>Lycopersicon esculentum</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2013, 93, 60-67.	2.9	286
5	Synthesis of functionalized porous silicas via templating method as heavy metal ion adsorbents: the introduction of surface hydrophilicity onto the surface of adsorbents. <i>Microporous and Mesoporous Materials</i> , 2001, 50, 77-90.	2.2	274
6	A Combination of Two Visible-Light Responsive Photocatalysts for Achieving the Z-Scheme in the Solid State. <i>ACS Nano</i> , 2011, 5, 4084-4090.	7.3	203
7	Removal of copper from aqueous solution by aminated and protonated mesoporous aluminas: kinetics and equilibrium. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 14-21.	5.0	200
8	Synthesis and characterization of mesoporous alumina with nickel incorporated for use in the partial oxidation of methane into synthesis gas. <i>Applied Catalysis A: General</i> , 2004, 272, 157-166.	2.2	199
9	Electrochemical capacitor performance of N-doped mesoporous carbons prepared by amoxidation. <i>Journal of Power Sources</i> , 2008, 180, 671-675.	4.0	182
10	Highly Selective Adsorption of Pt <sup>2+</sup> and Pd <sup>2+</sup> Using Thiol-Functionalized Mesoporous Silica. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 1478-1484.	1.8	173
11	Influence of Aspect Ratio of TiO <sub>2</sub> Nanorods on the Photocatalytic Decomposition of Formic Acid. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3050-3055.	1.5	172
12	Ordered mesoporous silica (SBA-15) derivatized with imidazole-containing functionalities as a selective adsorbent of precious metal ions Electronic supplementary information (ESI) available: TEM image of SBA-15. See <a href="http://www.rsc.org/suppdata/jm/b3/b315829b/">http://www.rsc.org/suppdata/jm/b3/b315829b/</a> . <i>Journal of Materials Chemistry</i> , 2004, 14, 1043.	6.7	154
13	Photocatalytic activation of TiO <sub>2</sub> under visible light using Acid Red 44. <i>Catalysis Today</i> , 2003, 87, 77-86.	2.2	136
14	One step preparation of Mn <sub>3</sub> O <sub>4</sub> /graphene composites for use as an anode in Li ion batteries. <i>Journal of Power Sources</i> , 2013, 244, 56-62.	4.0	132
15	Bacterial cytotoxicity of the silver nanoparticle related to physicochemical metrics and agglomeration properties. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2154-2160.	2.2	113
16	Preparation of energy storage material derived from a used cigarette filter for a supercapacitor electrode. <i>Nanotechnology</i> , 2014, 25, 345601.	1.3	108
17	Carbon-doped TiO <sub>2</sub> nanoparticles wrapped with nanographene as a high performance photocatalyst for phenol degradation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 893-899.	10.8	97
18	NaBH <sub>4</sub> -assisted ethylene glycol reduction for preparation of carbon-supported Pt catalyst for methanol electro-oxidation. <i>Journal of Power Sources</i> , 2006, 160, 987-990.	4.0	93

#	ARTICLE	IF	CITATIONS
19	Preparation of ordered mesoporous carbon nanopipes with controlled nitrogen species for application in electrical double-layer capacitors. <i>Journal of Power Sources</i> , 2010, 195, 2125-2129.	4.0	92
20	Hot-Electron-Transfer Enhancement for the Efficient Energy Conversion of Visible Light. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11203-11207.	7.2	92
21	Batch adsorptive removal of copper ions in aqueous solutions by ion exchange resins: 1200H and IRN97H. <i>Korean Journal of Chemical Engineering</i> , 2004, 21, 187-194.	1.2	89
22	Preparation and characterization of nanocrystalline CuAl <sub>2</sub> O <sub>4</sub> spinel catalysts by sol-gel method for the hydrogenolysis of glycerol. <i>Catalysis Communications</i> , 2012, 24, 90-95.	1.6	85
23	Distinct activation of Cu-MOR for direct oxidation of methane to methanol. <i>Chemical Communications</i> , 2017, 53, 4116-4119.	2.2	85
24	Preparation of nitrogen-doped mesoporous carbon nanopipes for the electrochemical double layer capacitor. <i>Carbon</i> , 2009, 47, 1407-1411.	5.4	84
25	Removal characteristics of engineered nanoparticles by activated sludge. <i>Chemosphere</i> , 2013, 92, 524-528.	4.2	83
26	Surface plasmon resonance analysis of aqueous mercuric ions. <i>Sensors and Actuators B: Chemical</i> , 2004, 99, 216-222.	4.0	81
27	Preparation of Mesoporous Catalyst Supported on Silica with Finely Dispersed Ni Particles. <i>Catalysis Letters</i> , 2002, 81, 89-96.	1.4	76
28	Sensitive and Colorimetric Detection of the Structural Evolution of Superoxide Dismutase with Gold Nanoparticles. <i>Analytical Chemistry</i> , 2009, 81, 1378-1382.	3.2	76
29	Preparation and characterization of Fe-doped TiO <sub>2</sub> nanoparticles as a support for a high performance CO oxidation catalyst. <i>Journal of Materials Chemistry</i> , 2012, 22, 12629.	6.7	75
30	Characterization of exposure to silver nanoparticles in a manufacturing facility. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1705-1712.	0.8	73
31	Biofilm-inactivating activity of silver nanoparticles: A comparison with silver ions. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 614-619.	2.9	72
32	A synthesis of graphene/Co <sub>3</sub> O <sub>4</sub> thin films for lithium ion battery anodes by coelectrodeposition. <i>Electrochemistry Communications</i> , 2012, 22, 93-96.	2.3	71
33	Preparation of polyelectrolyte-functionalized mesoporous silicas for the selective adsorption of anionic dye in an aqueous solution. <i>Journal of Hazardous Materials</i> , 2009, 168, 102-107.	6.5	70
34	Core-Satellites Assembly of Silver Nanoparticles on a Single Gold Nanoparticle via Metal Ion-Mediated Complex. <i>Journal of the American Chemical Society</i> , 2012, 134, 12083-12090.	6.6	68
35	Reversible pH-Driven Conformational Switching of Tethered Superoxide Dismutase with Gold Nanoparticle Enhanced Surface Plasmon Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 12870-12878.	6.6	66
36	Single-step preparation of Ni catalysts supported on mesoporous silicas (SBA-15 and SBA-16) and the effect of pore structure on the selective hydrodechlorination of 1,1,2-trichloroethane to VCM. <i>Catalysis Today</i> , 2004, 97, 195-203.	2.2	65

#	ARTICLE	IF	CITATIONS
37	Preparation of novel ceramic membranes modified by mesoporous silica with 3-aminopropyltriethoxysilane (APTES) and its application to Cu <sup>2+</sup> separation in the aqueous phase. <i>Journal of Membrane Science</i> , 2007, 301, 118-125.	4.1	65
38	Transparent and ultra-bendable all-solid-state supercapacitors without percolation problems. <i>Chemical Science</i> , 2013, 4, 1663.	3.7	64
39	Lithium metal anode on a copper dendritic superstructure. <i>Electrochemistry Communications</i> , 2019, 99, 27-31.	2.3	64
40	Simple preparation of hollow carbon sphere via templating method. <i>Current Applied Physics</i> , 2008, 8, 814-817.	1.1	62
41	Facile preparation of high performance visible light sensitive photo-catalysts. <i>Applied Catalysis B: Environmental</i> , 2010, 94, 241-247.	10.8	62
42	Promoter effect of Pd in CuCr <sub>2</sub> O <sub>4</sub> catalysts on the hydrogenolysis of glycerol to 1,2-propanediol. <i>Green Chemistry</i> , 2012, 14, 2638.	4.6	62
43	All-solid-state, origami-type foldable supercapacitor chips with integrated series circuit analogues. <i>Energy and Environmental Science</i> , 2014, 7, 1095.	15.6	62
44	Effect of preparation conditions on the phase transformation of mesoporous alumina. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 550-556.	1.5	61
45	Hydrogenation of succinic acid to tetrahydrofuran (THF) over rhenium catalyst supported on H <sub>2</sub> SO <sub>4</sub> -treated mesoporous carbon. <i>Applied Catalysis A: General</i> , 2012, 415-416, 141-148.	2.2	61
46	Title is missing!. <i>Catalysis Letters</i> , 2003, 89, 185-192.	1.4	58
47	Preparation of mesoporous carbon templated by silica particles for use as a catalyst support in polymer electrolyte membrane fuel cells. <i>Catalysis Today</i> , 2006, 111, 171-175.	2.2	58
48	Preparation and application of nanoporous carbon templated by silica particle for use as a catalyst support for direct methanol fuel cell. <i>Journal of Power Sources</i> , 2005, 145, 139-146.	4.0	56
49	Preparation and characterization of metal-doped carbon aerogel for supercapacitor. <i>Current Applied Physics</i> , 2010, 10, 947-951.	1.1	55
50	Simple synthesis of graphitic porous carbon by hydrothermal method for use as a catalyst support in methanol electro-oxidation. <i>Catalysis Communications</i> , 2008, 10, 267-271.	1.6	54
51	Effect of TiO <sub>2</sub> crystalline phase on CO oxidation over CuO catalysts supported on TiO <sub>2</sub> . <i>Journal of Molecular Catalysis A</i> , 2013, 368-369, 72-77.	4.8	54
52	Effect of nickel on catalytic behaviour of bimetallic Cu-Ni catalyst supported on mesoporous alumina for the hydrogenolysis of glycerol to 1,2-propanediol. <i>Catalysis Science and Technology</i> , 2014, 4, 3191-3202.	2.1	54
53	REMOVAL OF COPPER IONS USING FUNCTIONALIZED MESOPOROUS SILICA IN AQUEOUS SOLUTION. <i>Separation Science and Technology</i> , 2001, 36, 2433-2448.	1.3	53
54	Biomarker gene response in male Medaka ( <i>Oryzias latipes</i> ) chronically exposed to silver nanoparticle. <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 239-245.	2.9	53

#	ARTICLE	IF	CITATIONS
55	Hazard potential of perovskite solar cell technology for potential implementation of "safe-by-design" approach. <i>Scientific Reports</i> , 2019, 9, 4242.	1.6	53
56	Preparation of Functionalized Mesostructured Silica Containing Magnetite (MSM) for the Removal of Copper Ions in Aqueous Solutions and Its Magnetic Separation. <i>Separation Science and Technology</i> , 2003, 38, 2533-2548.	1.3	52
57	Effect of nickel precursor on the catalytic performance of Ni/Al <sub>2</sub> O <sub>3</sub> catalysts in the hydrodechlorination of 1,1,2-trichloroethane. <i>Journal of Molecular Catalysis A</i> , 2006, 256, 178-183.	4.8	52
58	Activated carbon aerogel containing graphene as electrode material for supercapacitor. <i>Materials Research Bulletin</i> , 2014, 50, 240-245.	2.7	50
59	Synthesis and characterization of mesoporous alumina for use as a catalyst support in the hydrodechlorination of 1,2-dichloropropane: effect of preparation condition of mesoporous alumina. <i>Journal of Molecular Catalysis A</i> , 2004, 219, 87-95.	4.8	49
60	Surface plasmon resonance analysis of aqueous copper ions with amino-terminated self-assembled monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 292, 264-270.	2.3	48
61	Synthesis of tailored porous alumina with a bimodal pore size distribution. <i>Materials Research Bulletin</i> , 2004, 39, 2103-2112.	2.7	47
62	Tuning the Structural Color of a 2D Photonic Crystal Using a Bowl-like Nanostructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15802-15808.	4.0	47
63	Mechanistic study of glycerol dehydration on Brønsted acidic amorphous aluminosilicate. <i>Journal of Catalysis</i> , 2016, 341, 33-43.	3.1	46
64	Preparation, characterization, and catalytic activity of NiMg catalysts supported on mesoporous alumina for hydrodechlorination of o-dichlorobenzene. <i>Journal of Molecular Catalysis A</i> , 2005, 231, 247-254.	4.8	45
65	Eco-toxicity of commercial silver nanopowders to bacterial and yeast strains. <i>Biotechnology and Bioengineering</i> , 2009, 14, 490-495.	1.4	45
66	Hybrid MnO <sub>2</sub> Film with Agarose Gel for Enhancing the Structural Integrity of Thin Film Supercapacitor Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9908-9912.	4.0	45
67	Fabrication and design equation of film-type large-scale interdigitated supercapacitor chips. <i>Nanoscale</i> , 2012, 4, 7350.	2.8	43
68	A novel method for synthesis of a Ni/Al <sub>2</sub> O <sub>3</sub> catalyst with a mesoporous structure using stearic acid salts. <i>Journal of Materials Chemistry</i> , 2003, 13, 2353.	6.7	42
69	In situ observation of biomolecules patterned on a PEG-modified Si surface by scanning probe lithography. <i>Biomaterials</i> , 2006, 27, 4655-4660.	5.7	42
70	Synthesis of porous NiO materials with preferentially oriented crystalline structures with enhanced stability as lithium ion battery anodes. <i>Journal of Power Sources</i> , 2013, 237, 172-177.	4.0	42
71	Phase Separation of a Mixed Self-Assembled Monolayer Prepared via a Stepwise Method. <i>Langmuir</i> , 2006, 22, 4885-4889.	1.6	41
72	Tuning the band-gap energy of TiO <sub>2</sub> -C nanoparticle for high performance photo-catalyst. <i>Electrochemistry Communications</i> , 2010, 12, 769-772.	2.3	41

#	ARTICLE	IF	CITATIONS
73	Effects of Catalyst Pore Structure and Acid Properties on the Dehydration of Glycerol. <i>ChemSusChem</i> , 2015, 8, 974-979.	3.6	40
74	Graphitic spherical carbon as a support for a PtRu-alloy catalyst in the methanol electro-oxidation. <i>Catalysis Letters</i> , 2006, 112, 213-218.	1.4	39
75	The Removal of Copper Ions from Aqueous Solutions Using Silica Supports Immobilized with 2-Hydroxy-5-nonylaceto-phenoneoxime. <i>Separation Science and Technology</i> , 1999, 34, 2957-2971.	1.3	38
76	Characterization of photocatalytic performance of silver deposited TiO <sub>2</sub> nanorods. <i>Electrochemistry Communications</i> , 2009, 11, 363-366.	2.3	38
77	The Promotion Effect of Cr on Copper Catalyst in Hydrogenolysis of Glycerol to Propylene Glycol. <i>Topics in Catalysis</i> , 2010, 53, 517-522.	1.3	37
78	Preparation and characterization of mesoporous Zr-WO <sub>x</sub> /SiO <sub>2</sub> catalysts for the esterification of 1-butanol with acetic acid. <i>Journal of Materials Chemistry</i> , 2012, 22, 10021.	6.7	37
79	Simple preparation of tungsten carbide supported on carbon for use as a catalyst support in a methanol electro-oxidation. <i>Materials Letters</i> , 2008, 62, 3497-3499.	1.3	36
80	Supercapacitive electrochemical performance of graphene-containing carbon aerogel prepared using polyethyleneimine-modified graphene oxide. <i>Current Applied Physics</i> , 2013, 13, 945-949.	1.1	35
81	Preferential growth of Co <sub>3</sub> O <sub>4</sub> anode material with improved cyclic stability for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3872.	5.2	35
82	A Mesoporous Carbon-Supported Pt Nanocatalyst for the Conversion of Lignocellulose to Sugar Alcohols. <i>ChemSusChem</i> , 2013, 6, 2281-2289.	3.6	35
83	Hydrogenation of succinic acid to tetrahydrofuran (THF) over ruthenium-carbon composite (Ru-C) catalyst. <i>Applied Catalysis A: General</i> , 2014, 469, 466-471.	2.2	35
84	Rational Design of a Bifunctional Catalyst for the Oxydehydration of Glycerol: A Combined Theoretical and Experimental Study. <i>ACS Catalysis</i> , 2015, 5, 82-94.	5.5	34
85	Modified Simulation of Methane Steam Reforming in Pd-Membrane/Packed-Bed Type Reactor.. <i>Journal of Chemical Engineering of Japan</i> , 1999, 32, 760-769.	0.3	33
86	A facile approach for the preparation of tunable acid nano-catalysts with a hierarchically mesoporous structure. <i>Chemical Communications</i> , 2014, 50, 7652-7655.	2.2	33
87	Preparation of coral-like porous gold for metal ion detection. <i>Microporous and Mesoporous Materials</i> , 2009, 122, 283-287.	2.2	32
88	Interfacial Adsorption and Redox Coupling of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> with Nanographene for High-Rate Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16565-16572.	4.0	32
89	Directional Change of Interfacial Electric Field by Carbon Insertion in Heterojunction System TiO <sub>2</sub> /WO <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 15239-15245.	4.0	32
90	Mesoporous Siliconiobium Phosphate as a Pure Brønsted Acid Catalyst with Excellent Performance for the Dehydration of Glycerol to Acrolein. <i>ChemSusChem</i> , 2012, 5, 2460-2468.	3.6	31

#	ARTICLE	IF	CITATIONS
91	On-Chip Colorimetric Detection of Cu <sup>2+</sup> Ions via Density-Controlled Plasmonic Core-Satellites Nanoassembly. <i>Analytical Chemistry</i> , 2013, 85, 7980-7986.	3.2	31
92	Gas-phase dehydration of vicinal diols to epoxides: Dehydrative epoxidation over a Cs/SiO <sub>2</sub> catalyst. <i>Journal of Catalysis</i> , 2015, 323, 85-99.	3.1	31
93	Preparation of NaCl-incorporated plugged mesoporous silica using a cost-effective precursor and applications to the hydrodechlorination of chlorinated hydrocarbons. <i>Journal of Materials Chemistry</i> , 2004, 14, 1050.	6.7	30
94	Enhancement of surface plasmon resonance (SPR) signals using organic functionalized mesoporous silica on a gold film. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 1096-1099.	4.0	30
95	In situ sensing of metal ion adsorption to a thiolated surface using surface plasmon resonance spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2006, 298, 543-549.	5.0	30
96	Effects of textured morphology on the short circuit current of single crystalline silicon solar cells: Evaluation of alkaline wet-texture processes. <i>Current Applied Physics</i> , 2009, 9, 1310-1314.	1.1	30
97	Promotional Effect of Ni on a CrO <sub>x</sub> Catalyst Supported on Silica in the Oxidative Dehydrogenation of Propane with CO <sub>2</sub> . <i>ChemCatChem</i> , 2012, 4, 1952-1959.	1.8	30
98	Nanoporous hexagonal TiO <sub>2</sub> superstructure as a multifunctional material for energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3500-3510.	5.2	30
99	Bacterial uptake of silver nanoparticles in the presence of humic acid and AgNO <sub>3</sub> . <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 267-271.	1.2	29
100	Preparation and Characterization of Ceramic Hollow Microspheres for Heavy Metal Ion Removal in Wastewater. <i>Journal of Colloid and Interface Science</i> , 2000, 230, 367-376.	5.0	28
101	Synthesis of mesoporous γ-alumina through pre- and post-hydrolysis methods. <i>Korean Journal of Chemical Engineering</i> , 2002, 19, 908-910.	1.2	28
102	Encapsulation method for the dispersion of NiO onto ordered mesoporous silica, SBA-15, using polyethylene oxide (PEO). <i>Journal of Colloid and Interface Science</i> , 2006, 295, 464-471.	5.0	28
103	Methanol-tolerant PdPt/C alloy catalyst for oxygen electro-reduction reaction. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 770-774.	1.2	28
104	Interfacial Synthesis of Two-Dimensional Dendritic Platinum Nanoparticles Using Oleic Acid-in-Water Emulsion. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10666-10670.	4.0	28
105	Polymer-mediated synthesis of a nitrogen-doped carbon aerogel with highly dispersed Pt nanoparticles for enhanced electrocatalytic activity. <i>Electrochimica Acta</i> , 2016, 193, 137-144.	2.6	28
106	Hydrogenation of Succinic Acid to γ-Butyrolactone over Palladium Catalyst Supported on Mesoporous Alumina Xerogel. <i>Catalysis Letters</i> , 2010, 138, 28-33.	1.4	27
107	Fabrication of reusable sensor for detection of Cu <sup>2+</sup> in an aqueous solution using a self-assembled monolayer with surface plasmon resonance spectroscopy. <i>Chemical Communications</i> , 2005, , 3721.	2.2	26
108	NH <sub>3</sub> -activated polyaniline for use as a high performance electrode material in supercapacitors. <i>Electrochimica Acta</i> , 2012, 78, 340-346.	2.6	26

#	ARTICLE	IF	CITATIONS
109	Aspect ratio controlled synthesis of gold nanorods. Korean Journal of Chemical Engineering, 2003, 20, 1145-1148.	1.2	25
110	Synthesis and characterization of carbon-doped titania as a visible-light-sensitive photocatalyst. Korean Journal of Chemical Engineering, 2008, 25, 892-896.	1.2	25
111	Picomolar selective detection of mercuric ion ( $Hg^{2+}$ ) using a functionalized single plasmonic gold nanoparticle. Nanotechnology, 2010, 21, 145501.	1.3	25
112	A Tailored Catalyst for the Sustainable Conversion of Glycerol to Acrolein: Mechanistic Aspect of Sequential Dehydration. ChemSusChem, 2014, 7, 2193-2201.	3.6	25
113	Selective removal of copper ions from aqueous solutions using modified silica beads impregnated with LIX 84. Journal of Chemical Technology and Biotechnology, 1999, 74, 544-550.	1.6	24
114	Preparation of modified silica for heavy metal removal. Korean Journal of Chemical Engineering, 2000, 17, 118-121.	1.2	24
115	Dispersion stability of citrate- and PVP-AgNPs in biological media for cytotoxicity test. Korean Journal of Chemical Engineering, 2013, 30, 671-674.	1.2	24
116	Preparation of Pt supported on mesoporous carbons for the reduction of oxygen in polymer electrolyte membrane fuel cell (PEMFC). Journal of Electroceramics, 2006, 17, 713-718.	0.8	23
117	Effect of agglomeration of silver nanoparticle on nanotoxicity depression. Korean Journal of Chemical Engineering, 2013, 30, 364-368.	1.2	23
118	Kinetics of the dehydration of glycerol over acid catalysts with an investigation of deactivation mechanism by coke. Applied Catalysis B: Environmental, 2015, 176-177, 1-10.	10.8	23
119	Finely-dispersed Ni/Cu catalysts supported on mesoporous silica for the hydrodechlorination of chlorinated hydrocarbons. Studies in Surface Science and Catalysis, 2003, 146, 637-640.	1.5	22
120	The effects of using structurally less-stable raw materials for the support of a spray-dried oxygen carrier with high NiO content. Fuel, 2012, 102, 106-114.	3.4	22
121	Toxic effects of titanium dioxide nanoparticles on microbial activity and metabolic flux. Biotechnology and Bioprocess Engineering, 2012, 17, 276-282.	1.4	22
122	Capturing Coke Precursors in a Pd Lattice: A Carbon-Supported Heteropoly Acid Catalyst for the Dehydration of Glycerol into Acrolein. ChemCatChem, 2012, 4, 836-843.	1.8	22
123	Effect of valence band energy on the photocatalytic performance of N-doped TiO <sub>2</sub> for the production of O <sub>2</sub> via the oxidation of water by visible light. Journal of Molecular Catalysis A, 2013, 378, 221-226.	4.8	22
124	A brain-coral-inspired metal-carbon hybrid synthesized using agarose gel for ultra-fast charge and discharge supercapacitor electrodes. Chemical Communications, 2013, 49, 1554.	2.2	22
125	Enhancement in photocatalytic oxygen evolution via water oxidation under visible light on nitrogen-doped TiO <sub>2</sub> nanorods with dominant reactive {102} facets. Catalysis Communications, 2014, 43, 11-15.	1.6	22
126	Evaluating the environmental impact of the lead species in perovskite solar cells via environmental-fate modeling. Journal of Industrial and Engineering Chemistry, 2019, 70, 453-461.	2.9	22



#	ARTICLE	IF	CITATIONS
127	Direct observation of a cooperative mechanism in the adsorption of heavy metal ions to thiolated surface by in-situ surface plasmon resonance measurements. <i>Chemical Communications</i> , 2005, , 2360.	2.2	21
128	Effect of Framework and Textural Porosities of Functionalized Mesoporous Silica on Metal Ion Adsorption Capacities. <i>Separation Science and Technology</i> , 2005, 39, 1427-1442.	1.3	21
129	Effect of the preparation conditions of carbon-supported Pt catalyst on PEMFC performance. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 135-140.	1.5	21
130	Zinc Ion Removal from Aqueous Solutions Using Modified Silica Impregnated with 2-Ethylhexyl 2-Ethylhexyl Phosphonic Acid. <i>Separation Science and Technology</i> , 2000, 35, 1901-1916.	1.3	20
131	Label-free sensitive optical detection of polychlorinated biphenyl (PCB) in an aqueous solution based on surface plasmon resonance measurements. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 300-306.	4.0	20
132	Effect of 3D open-pores on the dehydration of n-butanol to di-n-butyl ether (DNBE) over a supported heteropolyacid catalyst. <i>Chemical Engineering Journal</i> , 2013, 228, 889-895.	6.6	20
133	Exploring crystal phase and morphology in the TiO <sub>2</sub> supporting materials used for visible-light driven plasmonic photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 91-99.	10.8	20
134	Synthesis of superacidic mesoporous alumina and its application in the dehydration of glycerol. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 1014-1017.	1.2	19
135	In-situ analysis of stepwise self-assembled 1,6-Hexanedithiol multilayers by surface plasmon resonance measurements. Electronic supplementary information (ESI) available; cyclic voltammogram of Au and HDT Au substrates. See <a href="http://www.rsc.org/suppdata/cc/b2/b206817f/">http://www.rsc.org/suppdata/cc/b2/b206817f/</a> . <i>Chemical Communications</i> , 2002, , 2094-2095.	2.2	18
136	Separation of zinc ions from aqueous solutions using modified silica impregnated with CYANEX 272. <i>Separation Science and Technology</i> , 2002, 37, 701-716.	1.3	18
137	Synthesis of mesoporous alumina by using a cost-effective template. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 1142-1144.	1.2	18
138	Adsorption of acid dyes using polyelectrolyte impregnated mesoporous silica. <i>Korean Journal of Chemical Engineering</i> , 2005, 22, 276-280.	1.2	18
139	Design of an efficient photocatalytic reactor for the decomposition of gaseous organic contaminants in air. <i>Chemical Engineering Journal</i> , 2012, 187, 203-209.	6.6	18
140	Hydrogenation of succinic acid to tetrahydrofuran over ruthenium-carbon composite catalysts: Effect of HCl concentration in the preparation of the catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3834-3840.	2.9	18
141	Synthesis of mesoporous $\gamma$ -aluminas of controlled pore properties using alkyl carboxylate assisted method. <i>Studies in Surface Science and Catalysis</i> , 2003, 146, 209-212.	1.5	17
142	Fabrication of hierarchical micro/nanostructures via scanning probe lithography and wet chemical etching. <i>Ultramicroscopy</i> , 2008, 108, 1205-1209.	0.8	17
143	Preparation via an electrochemical method of graphene films coated on both sides with NiO nanoparticles for use as high-performance lithium ion anodes. <i>Nanotechnology</i> , 2013, 24, 475402.	1.3	17
144	Single-Phase Formation of Rh <sub>2</sub> O <sub>3</sub> Nanoparticles on h-BN Support for Highly Controlled Methane Partial Oxidation to Syngas. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25411-25418.	7.2	17

#	ARTICLE	IF	CITATIONS
145	Comparison of mesoporous aluminas synthesized using stearic acid and its salts. Korean Journal of Chemical Engineering, 2005, 22, 321-327.	1.2	16
146	Emission inventory of VOCs from mobile sources in a metropolitan region. Korean Journal of Chemical Engineering, 2006, 23, 919-924.	1.2	16
147	Preparation of Pt-Co catalysts on mesoporous carbon and effect of alloying on catalytic activity in oxygen electro-reduction. Korean Journal of Chemical Engineering, 2008, 25, 431-436.	1.2	16
148	Directed Positioning of Single Cells in Microwells Fabricated by Scanning Probe Lithography and Wet Etching Methods. Langmuir, 2008, 24, 2597-2602.	1.6	16
149	Effect of preparation method on structure and catalytic activity of Cr-promoted Cu catalyst in glycerol hydrogenolysis. Korean Journal of Chemical Engineering, 2010, 27, 431-434.	1.2	16
150	Co3O4 nanoparticles embedded in ordered mesoporous carbon with enhanced performance as an anode material for Li-ion batteries. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	16
151	Simulation of the Effects of CCl4 on the Ethylene Dichloride Pyrolysis Process. Industrial & Engineering Chemistry Research, 2001, 40, 4040-4049.	1.8	15
152	Mesoporous silica thin films as a spatially extended probe of interfacial electric fields for amplified signal transduction in surface plasmon resonance spectroscopy. Chemical Communications, 2006, , 2998.	2.2	15
153	Enhancement of Topographic Images Obtained in Liquid Media by Atomic Force Microscopy. Journal of Physical Chemistry B, 2006, 110, 20526-20532.	1.2	15
154	The effects of fullerene (C60) crystal structure on its electrochemical capacitance. Carbon, 2010, 48, 3676-3681.	5.4	15
155	Efficiency of protective dermal equipment against silver nanoparticles with water aerosol. Journal of Nanoparticle Research, 2011, 13, 3043-3049.	0.8	15
156	Kinetic and Mechanistic Insights into the All-Solid-State Z-Schematic System. Journal of Physical Chemistry C, 2014, 118, 29583-29590.	1.5	15
157	Selective production of 1,3-butadiene using glucose fermentation liquor. Green Chemistry, 2014, 16, 3501-3507.	4.6	15
158	Direct Observation of Defects and Increased Ion Permeability of a Membrane Induced by Structurally Disordered Cu/Zn-Superoxide Dismutase Aggregates. PLoS ONE, 2011, 6, e28982.	1.1	15
159	Selective removal of copper ions from multi-component aqueous solutions using modified silica impregnated with LIX 84. Journal of Chemical Technology and Biotechnology, 2000, 75, 359-362.	1.6	14
160	Characterization of Surface-Confined $\beta$ -Synuclein by Surface Plasmon Resonance Measurements. Langmuir, 2006, 22, 13-17.	1.6	14
161	Aspect ratio control of Au nanorods via temperature and hydroxylamine concentration of reaction medium. Current Applied Physics, 2006, 6, e114-e120.	1.1	14
162	Performance Comparison of Spray-Dried Oxygen Carriers: The Effect of NiO and Pseudoboehmite Content in Raw Materials. Energy & Fuels, 2010, 24, 5757-5764.	2.5	14

#	ARTICLE	IF	CITATIONS
163	Solution based, on chip direct growth of three-dimensionally wrinkled gold nanoparticles for a SERS active substrate. <i>Chemical Communications</i> , 2015, 51, 213-216.	2.2	14
164	Fabrication of submicron- or nano-sized mesa electrodes via AFM oxidation: Applications to metal ion detection. <i>Microelectronic Engineering</i> , 2005, 81, 341-348.	1.1	13
165	Simple one-pot synthesis of a mesoporous superacidic catalyst for the dehydration of glycerol to acrolein. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1695-1699.	1.2	13
166	Etherification of n-butanol to di-n-butyl ether over H <sub>3</sub> PMo <sub>12</sub> W <sub>O<sub>40</sub></sub> (x= 0, 3, 6, 9, 12) Keggin and H <sub>6</sub> P <sub>2</sub> Mo <sub>18</sub> W <sub>O<sub>62</sub></sub> (x= 0, 3, 9, 15, 18) Wells-Dawson heteropolyacid catalysts. <i>Catalysis Communications</i> , 2011, 14, 48-51.	1.6	13
167	Effect of end group modification of DNA-functionalized gold nanoparticles on cellular uptake in HepG2 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 415-420.	2.5	13
168	Understanding the Reaction Mechanism of Glycerol Hydrogenolysis over a CuCr <sub>2</sub> O <sub>4</sub> Catalyst. <i>ChemSusChem</i> , 2017, 10, 442-454.	3.6	13
169	Tuning the electronic state of metal/graphene catalysts for the control of catalytic activity via N- and B-doping into graphene. <i>Chemical Communications</i> , 2018, 54, 7147-7150.	2.2	13
170	Preparation and application of mesocellular carbon foams to catalyst support in methanol electro-oxidation. <i>Catalysis Today</i> , 2008, 131, 219-225.	2.2	12
171	Catalytic conversion of lactic acid into propylene glycol over various metals supported on silica. <i>Research on Chemical Intermediates</i> , 2011, 37, 1275-1282.	1.3	12
172	The sensitive, anion-selective detection of arsenate with poly(allylamine hydrochloride) by single particle plasmon-based spectroscopy. <i>Analytica Chimica Acta</i> , 2011, 694, 136-141.	2.6	12
173	Preparation and performance of cobalt-doped carbon aerogel for supercapacitor. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 492-496.	1.2	12
174	Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4633-4636.	7.2	12
175	Enhanced ethylene productivity by the promotion of lattice oxygen in Ni Nb O/Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> composite for oxidative dehydrogenation of ethane. <i>Catalysis Communications</i> , 2017, 95, 58-62.	1.6	12
176	Free-Form and Deformable Energy Storage as a Forerunner to Next-Generation Smart Electronics. <i>Micromachines</i> , 2020, 11, 347.	1.4	12
177	<i>In situ</i> manipulation of the d-band center in metals for catalytic activity in CO oxidation. <i>Chemical Communications</i> , 2021, 57, 3403-3406.	2.2	12
178	Modeling Human Exposure Levels to Airborne Volatile Organic Compounds by the Hebei Spirit Oil Spill. <i>Environmental Health and Toxicology</i> , 2012, 27, e2012008.	1.8	12
179	The effect of ultrasonic waves on the fabrication of TiO <sub>2</sub> nanoparticles on a substrate using a self-assembly method. <i>Korean Journal of Chemical Engineering</i> , 2004, 21, 1062-1065.	1.2	11
180	Preparation, characterization, and catalytic activity of H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> heteropolyacid catalyst supported on mesoporous $\gamma$ -Al <sub>2</sub> O <sub>3</sub> . <i>Studies in Surface Science and Catalysis</i> , 2006, , 265-268.	1.5	11

#	ARTICLE	IF	CITATIONS
181	Preparation of nickel-mesoporous materials and their application to the hydrodechlorination of chlorinated organic compounds. <i>Catalysis Surveys From Asia</i> , 2007, 11, 49-58.	1.0	11
182	Fabrication of multicomponent protein microarrays with microfluidic devices of poly(dimethylsiloxane). <i>Macromolecular Research</i> , 2009, 17, 192-196.	1.0	11
183	Preparation and characterization of nanostructured Mn oxide by an ethanol-based precipitation method for pseudocapacitor applications. <i>Scripta Materialia</i> , 2011, 65, 448-451.	2.6	11
184	Radial alignment of c-channel nanorods in 3D porous TiO <sub>2</sub> for eliciting enhanced Li storage performance. <i>Chemical Communications</i> , 2015, 51, 15019-15022.	2.2	11
185	Facile Synthesis of Mesoporous Silica Sublayer with Hierarchical Pore Structure on Ceramic Membrane Using Anionic Polyelectrolyte. <i>Langmuir</i> , 2005, 21, 5859-5864.	1.6	10
186	Facile synthesis and characterization of ordered mesostructured nickel catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 244, 151-159.	4.8	10
187	A new approach for estimating VOC emissions from anthropogenic non-point sources in urban communities. <i>Korean Journal of Chemical Engineering</i> , 2007, 24, 763-773.	1.2	10
188	Tuning the oxidation states of nanostructured amorphous Mn oxides for electrochemical applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 15885.	6.7	10
189	Real-time analysis and direct observations of different superoxide dismutase (SOD1) molecules bindings to aggregates in temporal evolution step. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 101, 266-271.	2.5	10
190	Energy conversion of sub-band-gap light using naked carbon nanodots and rhodamine B. <i>Nano Energy</i> , 2016, 26, 479-487.	8.2	10
191	Observation of crystalline changes of titanium dioxide during lithium insertion by visible spectrum analysis. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13140-13146.	1.3	10
192	Lewis acidity controlled heme catalyst for lithium-oxygen battery. <i>Energy Storage Materials</i> , 2019, 19, 16-23.	9.5	10
193	Effects of the boundary layer and interfacial reaction on the time lag in supported liquid membranes. <i>Korean Journal of Chemical Engineering</i> , 1995, 12, 391-395.	1.2	9
194	A novel method for the fabrication of ordered and three dimensionally interconnected macroporous carbon with mesoporosity. <i>Carbon</i> , 2006, 44, 389-392.	5.4	9
195	Sucrose-derived graphitic porous carbon replicated by mesoporous silica. <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 1063-1066.	1.2	9
196	Performance of CuO/Al <sub>2</sub> O <sub>3</sub> Catalysts Promoted by SnO <sub>2</sub> and ZrO <sub>2</sub> in the Selective Oxidation of Carbon Monoxide. <i>Catalysis Letters</i> , 2009, 132, 417-421.	1.4	9
197	Sensitive and molecular size-selective detection of proteins using a chip-based and heteroliganded gold nanoisland by localized surface plasmon resonance spectroscopy. <i>Nanoscale Research Letters</i> , 2011, 6, 336.	3.1	9
198	A platinum catalyst deposited on a zirconia support for the design of lithium-oxygen batteries with enhanced cycling ability. <i>Chemical Communications</i> , 2017, 53, 11767-11770.	2.2	9

#	ARTICLE	IF	CITATIONS
199	Preparation of chemically active mesoporous adsorbent for pt(II) and pd(II) adsorption from aqueous solutions. Korean Journal of Chemical Engineering, 2002, 19, 685-687.	1.2	8
200	An array of Au nanoparticles on the nanopatterned Si(100). Microelectronic Engineering, 2005, 81, 389-393.	1.1	8
201	Effect of framework or textural nanoporosity on the bulk morphology of mesoporous aluminas. Korean Journal of Chemical Engineering, 2007, 24, 679-682.	1.2	8
202	All-Solid-State, Washable, Wearable Supercapacitors Fabricated by using a Fibrous Graphite Network and Self-Adhering Architecture. Energy Technology, 2014, 2, 677-684.	1.8	8
203	Decoration of a bio-inspired carbon nanosphere with Pt nanoparticles via a polymer-assisted strategy for enhanced electrocatalytic activity. Nano Energy, 2015, 12, 675-685.	8.2	8
204	Fabrication of gold nanowires (GNW) using aluminum anodic oxide (AAO) as a metal-ion sensor. Korean Journal of Chemical Engineering, 2015, 32, 299-302.	1.2	8
205	Insights into the Li Diffusion Dynamics and Nanostructuring of $\text{H}_{2}\text{Ti}_{12}\text{O}_{25}$ To Enhance Its Li Storage Performance. ACS Applied Materials & Interfaces, 2016, 8, 12186-12193.	4.0	8
206	A New Energy-Saving Catalytic System: Carbon Dioxide Activation by a Metal/Carbon Catalyst. ChemSusChem, 2017, 10, 3671-3678.	3.6	8
207	Selective recovery of silver ions from aqueous solutions using modified silica beads with Adogen 364. Journal of Chemical Technology and Biotechnology, 2002, 77, 1255-1261.	1.6	7
208	Exposure assessment of engineered nanomaterials in the workplace. Korean Journal of Chemical Engineering, 2009, 26, 1630-1636.	1.2	7
209	Preparation of highly crystalline graphitic nanocarbon for the electro-oxidation of methanol. Nano Research, 2011, 4, 92-102.	5.8	7
210	Amorphous Mn Oxide-Ordered Mesoporous Carbon Hybrids as a High Performance Electrode Material for Supercapacitors. Journal of Nanoscience and Nanotechnology, 2012, 12, 5704-5708.	0.9	7
211	Transition metal-free graphene framework based on disulfide bridges as a Li host material. Energy Storage Materials, 2018, 14, 238-245.	9.5	7
212	Redox-driven restructuring of lithium molybdenum oxide nanoclusters boosts the selective oxidation of methane. Nano Energy, 2021, 82, 105704.	8.2	7
213	MODELING OF COPPER ION REMOVAL FROM AQUEOUS SOLUTIONS USING MODIFIED SILICA BEADS. Chemical Engineering Communications, 2000, 181, 37-55.	1.5	6
214	Controlling the pore sizes of SBA-15 mesoporous silica by the addition of poly(propylene oxide). Studies in Surface Science and Catalysis, 2003, , 109-112.	1.5	6
215	Synthesis of trans-substituted porphyrin building blocks containing two S-trityl or thiol groups. Korean Journal of Chemical Engineering, 2006, 23, 512-515.	1.2	6
216	Interfacial kinetic enhancement of metal ion adsorption on binary mixed self-assembled monolayers. Applied Surface Science, 2007, 253, 7554-7558.	3.1	6

#	ARTICLE	IF	CITATIONS
217	Preparation of highly dispersed Pt catalyst using sodium alkoxide as a reducing agent and its application to the methanol electro-oxidation. <i>Journal of Molecular Catalysis A</i> , 2007, 263, 15-19.	4.8	6
218	Construction of pcAFM module to measure photoconductance with a nanoscale spatial resolution. <i>Ultramicroscopy</i> , 2008, 108, 1090-1093.	0.8	6
219	A GIS-based national emission inventory of major VOCs and risk assessment modeling: Part I " methodology and spatial pattern of emissions. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 129-138.	1.2	6
220	Dependence of approaching velocity on the force-distance curve in AFM analysis. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 324-327.	1.2	6
221	Chemical-looping combustion of syngas by means of spray-dried NiO oxygen carrier. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 2211-2217.	1.2	6
222	Development of a priority substances list for integrated environmental management. <i>Korean Journal of Chemical Engineering</i> , 2005, 22, 238-245.	1.2	5
223	Fabrication of submicron-sized copper structures on pre-patterned self-assembled monolayer and Langmuir-Blodgett films. <i>Korean Journal of Chemical Engineering</i> , 2005, 22, 635-638.	1.2	5
224	Fabrication of Organosilane-Modified Electrodes for Metal Ion Detection at the Molecular Level. <i>Langmuir</i> , 2006, 22, 9805-9808.	1.6	5
225	In-situ observation of deposition of gold nanoparticles on the amine-functionalized surface by open liquid-AFM. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 383-385.	1.2	5
226	Investigation on shape variation of Au nanocrystals. <i>Current Applied Physics</i> , 2008, 8, 810-813.	1.1	5
227	Effect of thermal treatment on the structural characteristics and electrochemical properties of amorphous Mn oxide prepared by an ethanol-based precipitation method. <i>Current Applied Physics</i> , 2012, 12, 1139-1143.	1.1	5
228	Effects of ionization on the toxicity of silver nanoparticles to Japanese medaka ( <i>Oryzias latipes</i> ) embryos. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 287-293.	0.9	5
229	Heat transfer in a phosphoric acid fuel cell stack. <i>Korean Journal of Chemical Engineering</i> , 1995, 12, 12-17.	1.2	4
230	A Novel Catalyst Preparation and Kinetic Study on the Dechlorination of Chlorinated Hydrocarbons. <i>Studies in Surface Science and Catalysis</i> , 2001, , 559-564.	1.5	4
231	Simulation of imbalance reduction between two reactors in an ethylene dichloride cracker. <i>Chemical Engineering Science</i> , 2005, 60, 1237-1249.	1.9	4
232	The preparation and characterization of porous carbons for hydrogen storage. <i>Journal of Electroceramics</i> , 2006, 17, 679-682.	0.8	4
233	Fabrication of island-type microelectrode via AFM lithography for a highly sensitive Pt-ion detection system. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 734-740.	4.0	4
234	A GIS-based national emission inventory of major VOCs and risk assessment modeling: Part II " quantitative verification and risk assessment using an air dispersion model. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 121-128.	1.2	4

#	ARTICLE	IF	CITATIONS
235	Fast preparation of citrate-stabilized silver nanoplates and its nanotoxicity. Korean Journal of Chemical Engineering, 2010, 27, 1897-1900.	1.2	4
236	Spatial distribution multimedia fate model: Numerical aspects and ability for spatial analysis. Applied Mathematical Modelling, 2010, 34, 2279-2290.	2.2	4
237	Development of a Local-Scale Spatially Refined Multimedia Fate Model (LSRMFM) for Urban-Scale Risk Assessment: Model Formulation, GIS-Based Preprocessing, and Case Study. Environmental Modeling and Assessment, 2011, 16, 265-281.	1.2	4
238	Effect of acid type in WO X clusters on the esterification of ethanol with acetic acid. Korean Journal of Chemical Engineering, 2012, 29, 1695-1699.	1.2	4
239	Nano-safety Management and Exposure Assessment of Nanomaterials Producing Facilities. Korean Chemical Engineering Research, 2012, 50, 112-117.	0.2	4
240	Analysis of the distribution of lead concentration under steady state conditions in urban multimedia environment. Korean Journal of Chemical Engineering, 2008, 25, 1401-1406.	1.2	3
241	Speed-up of the disaggregation of emission inventories and increased resolution of disaggregated maps using landuse data. Korean Journal of Chemical Engineering, 2009, 26, 1620-1629.	1.2	3
242	Dual Planar Helix Type Energy Storage Wires to Circumvent Universal Energy Lag Effect. Advanced Energy Materials, 2016, 6, 1501812.	10.2	3
243	Preparation of Pt/mesoporous carbon catalysts and their application to the methanol electro-oxidation. Studies in Surface Science and Catalysis, 2006, 159, 609-612.	1.5	2
244	Preparation of a sensor substrate using functionalized mesoporous silica on a gold film for surface plasmon resonance (SPR) spectroscopy. Journal of Electroceramics, 2006, 17, 999-1003.	0.8	2
245	Fabrication of a 3-dimensional microstructure by sequential anodic oxidation (SAO). Microelectronic Engineering, 2007, 84, 308-312.	1.1	2
246	Highly selective modification of silicon oxide structures fabricated by an AFM anodic oxidation. Korean Journal of Chemical Engineering, 2008, 25, 386-389.	1.2	2
247	Effect of laser beam focusing point on AFM measurements. Korean Journal of Chemical Engineering, 2009, 26, 496-499.	1.2	2
248	Innentitelbild: Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles (Angew. Chem. 20/2011). Angewandte Chemie, 2011, 123, 4614-4614.	1.6	2
249	Band alignment modulations of metal-semiconductor system for enhanced charge separation directly related to a photocatalytic performance. Catalysis Communications, 2020, 136, 105921.	1.6	2
250	10.2478/s11814-009-0238-z. , 2011, 26, 1630.		2
251	Case Studies for Nanomaterials' Exposure to Environmental Media. Korean Chemical Engineering Research, 2012, 50, 1056-1063.	0.2	2
252	POROUS ALUMINA WITH BIMODAL PORE SIZE DISTRIBUTION AS AN ORGANIC ADSORBENT. , 2003, , .		1

#	ARTICLE	IF	CITATIONS
253	pH-triggered ionization of self-assembled monolayers investigated by in-situ surface plasmon resonance measurements. Korean Journal of Chemical Engineering, 2006, 23, 321-324.	1.2	1
254	Simple preparation of ordered mesoporous carbons assisted by an organosilicate as a linking material. Carbon, 2010, 48, 4566-4569.	5.4	1
255	Energy storage systems based on endoskeleton structuring. Journal of Materials Chemistry A, 2016, 4, 13228-13234.	5.2	1
256	Response to "Comment on "Removal of copper from aqueous solution by aminated and protonated mesoporous aluminas: kinetics and equilibrium" Journal of Colloid and Interface Science, 2004, 277, 255.	5.0	0
257	In situ observation of the behavior of superoxide dismutase aggregates on a patterned surface via scanning probe microscopy. Microelectronic Engineering, 2007, 84, 1766-1769.	1.1	0
258	Development of a novel biosensor for in-vitro observation of protein behaviors. , 2009, , .		0
259	Formation of abnormally large-sized tubular amyloid $\beta$ aggregates on a nanostructured gold surface. Korean Journal of Chemical Engineering, 2011, 28, 184-188.	1.2	0
260	Inside Cover: Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles (Angew. Chem. Int. Ed. 20/2011). Angewandte Chemie - International Edition, 2011, 50, 4520-4520.	7.2	0
261	Real-Time Optical Monitoring of Pt Catalyst Under the Potentiodynamic Conditions. Scientific Reports, 2016, 6, 38847.	1.6	0
262	Direct Epoxidation of Propylene to Propylene Oxide Over Ag-W/ZrO <sub>2</sub> Catalysts: Effect of Tungsten (W) Addition. Journal of Nanoscience and Nanotechnology, 2017, 17, 8219-8225.	0.9	0
263	Active site structure of a lithium phosphate catalyst for the isomerization of 2,3-epoxybutane to 3-buten-2-ol. Molecular Catalysis, 2018, 445, 133-141.	1.0	0
264	Single-phase formation of Rh <sub>2</sub> O <sub>3</sub> nanoparticles on $\gamma$ -BN support for highly controlled methane partial oxidation to syngas. Angewandte Chemie, 2021, 133, 25615.	1.6	0
265	Thermal Method for Prediction of Host Selectivity to Guest Isomers. Journal of Chemical Engineering of Japan, 2009, 42, 728-732.	0.3	0
266	10.2478/s11814-009-0314-4. , 2011, 27, 324.		0
267	10.2478/s11814-009-0280-x. , 2011, 26, 1620.		0
268	10.2478/s11814-009-0307-3. , 2011, 27, 129.		0
269	10.2478/s11814-009-0306-4. , 2011, 27, 121.		0