

Jonghoep Yi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

269
papers

8,652
citations

49
h-index

80
g-index

273
ext. papers

9,294
ext. citations

6
avg, IF

5.99
L-index

#	Paper	IF	Citations
269	Redox-driven restructuring of lithium molybdenum oxide nanoclusters boosts the selective oxidation of methane. <i>Nano Energy</i> , 2021 , 82, 105704	17.1	2
268	In situ manipulation of the d-band center in metals for catalytic activity in CO oxidation. <i>Chemical Communications</i> , 2021 , 57, 3403-3406	5.8	4
267	Single-Phase Formation of Rh O Nanoparticles on h-BN Support for Highly Controlled Methane Partial Oxidation to Syngas. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25411-25418	16.4	1
266	Single-Phase Formation of Rh ₂ O ₃ Nanoparticles on h-BN Support for Highly Controlled Methane Partial Oxidation to Syngas. <i>Angewandte Chemie</i> , 2021 , 133, 25615	3.6	
265	Directional Change of Interfacial Electric Field by Carbon Insertion in Heterojunction System TiO/WO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15239-15245	9.5	13
264	Free-Form and Deformable Energy Storage as a Forerunner to Next-Generation Smart Electronics. <i>Micromachines</i> , 2020 , 11,	3.3	6
263	Band alignment modulations of metal-semiconductor system for enhanced charge separation directly related to a photocatalytic performance. <i>Catalysis Communications</i> , 2020 , 136, 105921	3.2	1
262	Hazard potential of perovskite solar cell technology for potential implementation of "safe-by-design" approach. <i>Scientific Reports</i> , 2019 , 9, 4242	4.9	30
261	Lewis acidity controlled heme catalyst for lithium-oxygen battery. <i>Energy Storage Materials</i> , 2019 , 19, 16-23	19.4	6
260	Lithium metal anode on a copper dendritic superstructure. <i>Electrochemistry Communications</i> , 2019 , 99, 27-31	5.1	41
259	Evaluating the environmental impact of the lead species in perovskite solar cells via environmental-fate modeling. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 70, 453-461	6.3	14
258	Transition metal-free graphene framework based on disulfide bridges as a Li host material. <i>Energy Storage Materials</i> , 2018 , 14, 238-245	19.4	3
257	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	5.8	11
256	Active site structure of a lithium phosphate catalyst for the isomerization of 2,3-epoxybutane to 3-buten-2-ol. <i>Molecular Catalysis</i> , 2018 , 445, 133-141	3.3	
255	Enhanced ethylene productivity by the promotion of lattice oxygen in NiNbO/CexZr1-xO ₂ composite for oxidative dehydrogenation of ethane. <i>Catalysis Communications</i> , 2017 , 95, 58-62	3.2	11
254	Observation of crystalline changes of titanium dioxide during lithium insertion by visible spectrum analysis. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13140-13146	3.6	10
253	Distinct activation of Cu-MOR for direct oxidation of methane to methanol. <i>Chemical Communications</i> , 2017 , 53, 4116-4119	5.8	71

252	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	5.8	8
251	A New Energy-Saving Catalytic System: Carbon Dioxide Activation by a Metal/Carbon Catalyst. <i>ChemSusChem</i> , 2017 , 10, 3671-3678	8.3	7
250	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	16.4	186
249	Understanding the Reaction Mechanism of Glycerol Hydrogenolysis over a CuCr O Catalyst. <i>ChemSusChem</i> , 2017 , 10, 442-454	8.3	10
248	Direct Epoxidation of Propylene to Propylene Oxide Over Ag-W/ZrO ₂ Catalysts: Effect of Tungsten (W) Addition. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 8219-8225	1.3	
247	Energy storage systems based on endoskeleton structuring. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13228-13234	13	1
246	Energy conversion of sub-band-gap light using naked carbon nanodots and rhodamine B. <i>Nano Energy</i> , 2016 , 26, 479-487	17.1	7
245	Dual Planar-Helix Type Energy Storage Wires to Circumvent Universal Energy Lag Effect. <i>Advanced Energy Materials</i> , 2016 , 6, 1501812	21.8	3
244	Tuning the Structural Color of a 2D Photonic Crystal Using a Bowl-like Nanostructure. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15802-8	9.5	33
243	Insights into the Li Diffusion Dynamics and Nanostructuring of H ₂ Ti ₂ O ₅ To Enhance Its Li Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12186-93	9.5	6
242	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	6.7	22
241	Mechanistic study of glycerol dehydration on Brønsted acidic amorphous aluminosilicate. <i>Journal of Catalysis</i> , 2016 , 341, 33-43	7.3	33
240	Real-Time Optical Monitoring of Pt Catalyst Under the Potentiodynamic Conditions. <i>Scientific Reports</i> , 2016 , 6, 38847	4.9	
239	Exploring crystal phase and morphology in the TiO ₂ supporting materials used for visible-light driven plasmonic photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2016 , 198, 91-99	21.8	18
238	Gas-phase dehydration of vicinal diols to epoxides: Dehydrative epoxidation over a Cs/SiO ₂ catalyst. <i>Journal of Catalysis</i> , 2015 , 323, 85-99	7.3	21
237	Interfacial Adsorption and Redox Coupling of Li ₄ Ti ₅ O ₁₂ with Nanographene for High-Rate Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16565-72	9.5	28
236	Interfacial Synthesis of Two-Dimensional Dendritic Platinum Nanoparticles Using Oleic Acid-in-Water Emulsion. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10666-70	9.5	22
235	Kinetics of the dehydration of glycerol over acid catalysts with an investigation of deactivation mechanism by coke. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 1-10	21.8	16

234	Radial alignment of c-channel nanorods in 3D porous TiO ₂ for eliciting enhanced Li storage performance. <i>Chemical Communications</i> , 2015 , 51, 15019-22	5.8	10
233	Effects of catalyst pore structure and acid properties on the dehydration of glycerol. <i>ChemSusChem</i> , 2015 , 8, 974-9	8.3	35
232	Solution based, on chip direct growth of three-dimensionally wrinkled gold nanoparticles for a SERS active substrate. <i>Chemical Communications</i> , 2015 , 51, 213-6	5.8	14
231	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	13.1	30
230	Decoration of a bio-inspired carbon nanosphere with Pt nanoparticles via a polymer-assisted strategy for enhanced electrocatalytic activity. <i>Nano Energy</i> , 2015 , 12, 675-685	17.1	8
229	Fabrication of gold nanowires (GNW) using aluminum anodic oxide (AAO) as a metal-ion sensor. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 299-302	2.8	4
228	Nanoporous hexagonal TiO ₂ superstructure as a multifunctional material for energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3500-3510	13	28
227	Activated carbon aerogel containing graphene as electrode material for supercapacitor. <i>Materials Research Bulletin</i> , 2014 , 50, 240-245	5.1	46
226	Carbon-doped TiO ₂ 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	21.8	85
225	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, 287-93	2.3	5
224	A tailored catalyst for the sustainable conversion of glycerol to acrolein: mechanistic aspect of sequential dehydration. <i>ChemSusChem</i> , 2014 , 7, 2193-201	8.3	24
223	Selective production of 1,3-butadiene using glucose fermentation liquor. <i>Green Chemistry</i> , 2014 , 16, 3501-3507	14	14
222	A facile approach for the preparation of tunable acid nano-catalysts with a hierarchically mesoporous structure. <i>Chemical Communications</i> , 2014 , 50, 7652-5	5.8	26
221	Hot-electron-transfer enhancement for the efficient energy conversion of visible light. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11203-7	16.4	80
220	Preparation of energy storage material derived from a used cigarette filter for a supercapacitor electrode. <i>Nanotechnology</i> , 2014 , 25, 345601	3.4	85
219	All-solid-state, origami-type foldable supercapacitor chips with integrated series circuit analogues. <i>Energy and Environmental Science</i> , 2014 , 7, 1095	35.4	51
218	Effect of nickel on catalytic behaviour of bimetallic CuNi catalyst supported on mesoporous alumina for the hydrogenolysis of glycerol to 1,2-propanediol. <i>Catalysis Science and Technology</i> , 2014 , 4, 3191-3202	5.5	41
217	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	6.3	14

216	Kinetic and Mechanistic Insights into the All-Solid-State Z-Schematic System. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 29583-29590	3.8	15
215	Hot-Electron-Transfer Enhancement for the Efficient Energy Conversion of Visible Light. <i>Angewandte Chemie</i> , 2014 , 126, 11385-11389	3.6	21
214	All-Solid-State, Washable, Wearable Supercapacitors Fabricated by using a Fibrous Graphite Network and Self-Adhering Architecture. <i>Energy Technology</i> , 2014 , 2, 677-684	3.5	6
213	Enhancement in photocatalytic oxygen evolution via water oxidation under visible light on nitrogen-doped TiO ₂ nanorods with dominant reactive {102} facets. <i>Catalysis Communications</i> , 2014 , 43, 11-15	3.2	18
212	Hydrogenation of succinic acid to tetrahydrofuran (THF) over ruthenium-carbon composite (Ru/C) catalyst. <i>Applied Catalysis A: General</i> , 2014 , 469, 466-471	5.1	29
211	Dispersion stability of citrate- and PVP-AgNPs in biological media for cytotoxicity test. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 671-674	2.8	22
210	Supercapacitive electrochemical performance of graphene-containing carbon aerogel prepared using polyethyleneimine-modified graphene oxide. <i>Current Applied Physics</i> , 2013 , 13, 945-949	2.6	34
209	On-chip colorimetric detection of Cu ²⁺ ions via density-controlled plasmonic core-satellites nanoassembly. <i>Analytical Chemistry</i> , 2013 , 85, 7980-6	7.8	28
208	Transparent and ultra-bendable all-solid-state supercapacitors without percolation problems. <i>Chemical Science</i> , 2013 , 4, 1663	9.4	54
207	Effect of agglomeration of silver nanoparticle on nanotoxicity depression. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 364-368	2.8	17
206	Co ₃ O ₄ nanoparticles embedded in ordered mesoporous carbon with enhanced performance as an anode material for Li-ion batteries. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	13
205	One step preparation of Mn ₃ O ₄ /graphene composites for use as an anode in Li ion batteries. <i>Journal of Power Sources</i> , 2013 , 244, 56-62	8.9	117
204	Hybrid MnO ₂ film with agarose gel for enhancing the structural integrity of thin film supercapacitor electrodes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9908-12	9.5	41
203	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	3.4	15
202	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, 415-20	6	13
201	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	8.9	39
200	Effect of valence band energy on the photocatalytic performance of N-doped TiO ₂ for the production of O ₂ via the oxidation of water by visible light. <i>Journal of Molecular Catalysis A</i> , 2013 , 378, 221-226		19
199	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	14.7	15

198	Preferential growth of Co ₃ O ₄ anode material with improved cyclic stability for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3872	13	33
197	Removal characteristics of engineered nanoparticles by activated sludge. <i>Chemosphere</i> , 2013 , 92, 524-8	8.4	64
196	Functional analyses of nanoparticle toxicity: a comparative study of the effects of TiO ₂ and Ag on tomatoes (<i>Lycopersicon esculentum</i>). <i>Ecotoxicology and Environmental Safety</i> , 2013 , 93, 60-7	7	221
195	Effect of TiO ₂ crystalline phase on CO oxidation over CuO catalysts supported on TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2013 , 368-369, 72-77		46
194	A brain-coral-inspired metal-carbon hybrid synthesized using agarose gel for ultra-fast charge and discharge supercapacitor electrodes. <i>Chemical Communications</i> , 2013 , 49, 1554-6	5.8	19
193	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, 266-71		9
192	Biofilm-inactivating activity of silver nanoparticles: A comparison with silver ions. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 614-619	6.3	63
191	A mesoporous carbon-supported Pt nanocatalyst for the conversion of lignocellulose to sugar alcohols. <i>ChemSusChem</i> , 2013 , 6, 2281-9	8.3	32
190	Effect of acid type in WO _x clusters on the esterification of ethanol with acetic acid. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 1695-1699	2.8	4
189	Preparation and characterization of Fe-doped TiO ₂ nanoparticles as a support for a high performance CO oxidation catalyst. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12629		65
188	Promotional Effect of Ni on a CrO _x Catalyst Supported on Silica in the Oxidative Dehydrogenation of Propane with CO ₂ . <i>ChemCatChem</i> , 2012 , 4, 1952-1959	5.2	22
187	Mesoporous siliconiobium phosphate as a pure Brønsted acid catalyst with excellent performance for the dehydration of glycerol to acrolein. <i>ChemSusChem</i> , 2012 , 5, 2460-8	8.3	28
186	Preparation and characterization of mesoporous Zr-WO _x /SiO ₂ catalysts for the esterification of 1-butanol with acetic acid. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10021		34
185	Promoter effect of Pd in CuCr ₂ O ₄ catalysts on the hydrogenolysis of glycerol to 1,2-propanediol. <i>Green Chemistry</i> , 2012 , 14, 2638	10	57
184	Biomarker gene response in male Medaka (<i>Oryzias latipes</i>) chronically exposed to silver nanoparticle. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 78, 239-45	7	48
183	A synthesis of graphene/Co ₃ O ₄ thin films for lithium ion battery anodes by coelectrodeposition. <i>Electrochemistry Communications</i> , 2012 , 22, 93-96	5.1	68
182	NH ₃ -activated polyaniline for use as a high performance electrode material in supercapacitors. <i>Electrochimica Acta</i> , 2012 , 78, 340-346	6.7	20
181	The effects of using structurally less-stable raw materials for the support of a spray-dried oxygen carrier with high NiO content. <i>Fuel</i> , 2012 , 102, 106-114	7.1	21

180	Fabrication and design equation of film-type large-scale interdigitated supercapacitor chips. <i>Nanoscale</i> , 2012 , 4, 7350-3	7.7	39
179	Toxic effects of titanium dioxide nanoparticles on microbial activity and metabolic flux. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 276-282	3.1	17
178	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, 12083-90	16.4	55
177	Capturing Coke Precursors in a Pd Lattice: A Carbon-Supported Heteropoly Acid Catalyst for the Dehydration of Glycerol into Acrolein. <i>ChemCatChem</i> , 2012 , 4, 836-843	5.2	20
176	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	2.6	5
175	Preparation and characterization of nanocrystalline CuAl ₂ O ₄ spinel catalysts by sol-gel method for the hydrogenolysis of glycerol. <i>Catalysis Communications</i> , 2012 , 24, 90-95	3.2	66
174	Design of an efficient photocatalytic reactor for the decomposition of gaseous organic contaminants in air. <i>Chemical Engineering Journal</i> , 2012 , 187, 203-209	14.7	16
173	Hydrogenation of succinic acid to tetrahydrofuran (THF) over rhenium catalyst supported on H ₂ SO ₄ -treated mesoporous carbon. <i>Applied Catalysis A: General</i> , 2012 , 415-416, 141-148	5.1	54
172	Amorphous Mn oxide-ordered mesoporous carbon hybrids as a high performance electrode material for supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 5704-8	1.3	5
171	Modeling human exposure levels to airborne volatile organic compounds by the hebei spirit oil spill. <i>Environmental Health and Toxicology</i> , 2012 , 27, e2012008	0.7	8
170	Nano-safety Management and Exposure Assessment of Nanomaterials Producing Facilities. <i>Korean Chemical Engineering Research</i> , 2012 , 50, 112-117		4
169	Case Studies for Nanomaterials Exposure to Environmental Media. <i>Korean Chemical Engineering Research</i> , 2012 , 50, 1056-1063		2
168	A combination of two visible-light responsive photocatalysts for achieving the Z-scheme in the solid state. <i>ACS Nano</i> , 2011 , 5, 4084-90	16.7	192
167	Etherification of n-butanol to di-n-butyl ether over H ₃ PMo ₁₂ W ₀ O ₄₀ (x= 0, 3, 6, 9, 12) Keggin and H ₆ P ₂ Mo ₁₈ W ₀ O ₆₂ (x= 0, 3, 9, 15, 18) Wells-Dawson heteropolyacid catalysts. <i>Catalysis Communications</i> , 2011 , 14, 48-51	3.2	13
166	Preparation and characterization of nanostructured Mn oxide by an ethanol-based precipitation method for pseudocapacitor applications. <i>Scripta Materialia</i> , 2011 , 65, 448-451	5.6	9
165	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	5	9
164	Development of a Local-Scale Spatially Refined Multimedia Fate Model (LSRMFM) for Urban-Scale Risk Assessment: Model Formulation, GIS-Based Preprocessing, and Case Study. <i>Environmental Modeling and Assessment</i> , 2011 , 16, 265-281	2	4
163	Catalytic conversion of lactic acid into propylene glycol over various metals supported on silica. <i>Research on Chemical Intermediates</i> , 2011 , 37, 1275-1282	2.8	9

162	Efficiency of protective dermal equipment against silver nanoparticles with water aerosol. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 3043-3049	2.3	14
161	The sensitive, anion-selective detection of arsenate with poly(allylamine hydrochloride) by single particle plasmon-based spectroscopy. <i>Analytica Chimica Acta</i> , 2011 , 694, 136-41	6.6	11
160	Preparation of highly crystalline graphitic nanocarbon for the electro-oxidation of methanol. <i>Nano Research</i> , 2011 , 4, 92-102	10	7
159	Formation of abnormally large-sized tubular amyloid aggregates on a nanostructured gold surface. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 184-188	2.8	
158	Bacterial uptake of silver nanoparticles in the presence of humic acid and AgNO ₃ . <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 267-271	2.8	23
157	Preparation and performance of cobalt-doped carbon aerogel for supercapacitor. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 492-496	2.8	10
156	Chemical-looping combustion of syngas by means of spray-dried NiO oxygen carrier. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 2211-2217	2.8	6
155	Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles. <i>Angewandte Chemie</i> , 2011 , 123, 4729-4732	3.6	3
154	Innentitelbild: Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles (Angew. Chem. 20/2011). <i>Angewandte Chemie</i> , 2011 , 123, 4614-4614	3.6	2
153	Simultaneous optical monitoring of the overgrowth modes of individual asymmetric hybrid nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4633-6	16.4	12
152	Inside Cover: Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles (Angew. Chem. Int. Ed. 20/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4520-4520	16.4	
151	Tuning the oxidation states of nanostructured amorphous Mn oxides for electrochemical applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15885		9
150	Direct observation of defects and increased ion permeability of a membrane induced by structurally disordered Cu/Zn-superoxide dismutase aggregates. <i>PLoS ONE</i> , 2011 , 6, e28982	3.7	11
149	Dependence of approaching velocity on the force-distance curve in AFM analysis 2011 , 27, 324		
148	Speed-up of the disaggregation of emission inventories and increased resolution of disaggregated maps using landuse data 2011 , 26, 1620		
147	Exposure assessment of engineered nanomaterials in the workplace 2011 , 26, 1630		2
146	10.2478/s11814-009-0307-3 2011 , 27, 129		
145	10.2478/s11814-009-0306-4 2011 , 27, 121		

144	Picomolar selective detection of mercuric ion (Hg(2+)) using a functionalized single plasmonic gold nanoparticle. <i>Nanotechnology</i> , 2010 , 21, 145501	3.4	22
143	Performance Comparison of Spray-Dried Oxygen Carriers: The Effect of NiO and Pseudoboehmite Content in Raw Materials. <i>Energy & Fuels</i> , 2010 , 24, 5757-5764	4.1	13
142	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	8.9	87
141	Effect of preparation method on structure and catalytic activity of Cr-promoted Cu catalyst in glycerol hydrogenolysis. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 431-434	2.8	16
140	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	2.8	2
139	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	2.8	6
138	Dependence of approaching velocity on the force-distance curve in AFM analysis. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 324-327	2.8	6
137	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	2.8	12
136	Fast preparation of citrate-stabilized silver nanoplates and its nanotoxicity. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 1897-1900	2.8	4
135	Hydrogenation of Succinic Acid to β -Butyrolactone over Palladium Catalyst Supported on Mesoporous Alumina Xerogel. <i>Catalysis Letters</i> , 2010 , 138, 28-33	2.8	23
134	The Promotion Effect of Cr on Copper Catalyst in Hydrogenolysis of Glycerol to Propylene Glycol. <i>Topics in Catalysis</i> , 2010 , 53, 517-522	2.3	35
133	Bacterial cytotoxicity of the silver nanoparticle related to physicochemical metrics and agglomeration properties. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 2154-60	3.8	103
132	Tuning the band-gap energy of TiO ₂ -xCx nanoparticle for high performance photo-catalyst. <i>Electrochemistry Communications</i> , 2010 , 12, 769-772	5.1	36
131	Facile preparation of high performance visible light sensitive photo-catalysts. <i>Applied Catalysis B: Environmental</i> , 2010 , 94, 241-247	21.8	57
130	Spatial distribution multimedia fate model: Numerical aspects and ability for spatial analysis. <i>Applied Mathematical Modelling</i> , 2010 , 34, 2279-2290	4.5	4
129	Preparation and characterization of metal-doped carbon aerogel for supercapacitor. <i>Current Applied Physics</i> , 2010 , 10, 947-951	2.6	46
128	The effects of fullerene (C ₆₀) crystal structure on its electrochemical capacitance. <i>Carbon</i> , 2010 , 48, 3676-3681	6.2	112
127	Simple preparation of ordered mesoporous carbons assisted by an organosilicate as a linking material. <i>Carbon</i> , 2010 , 48, 4566-4569	10.4	1

126	Effect of the preparation conditions of carbon-supported Pt catalyst on PEMFC performance. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 135-140	2.6	21
125	Characterization of exposure to silver nanoparticles in a manufacturing facility. <i>Journal of Nanoparticle Research</i> , 2009 , 11, 1705-1712	2.3	60
124	Performance of CuO/Al ₂ O ₃ Catalysts Promoted by SnO ₂ and ZrO ₂ in the Selective Oxidation of Carbon Monoxide. <i>Catalysis Letters</i> , 2009 , 132, 417-421	2.8	9
123	Effect of laser beam focusing point on AFM measurements. <i>Korean Journal of Chemical Engineering</i> , 2009 , 26, 496-499	2.8	1
122	Exposure assessment of engineered nanomaterials in the workplace. <i>Korean Journal of Chemical Engineering</i> , 2009 , 26, 1630-1636	2.8	5
121	Speed-up of the disaggregation of emission inventories and increased resolution of disaggregated maps using landuse data. <i>Korean Journal of Chemical Engineering</i> , 2009 , 26, 1620-1629	2.8	3
120	Eco-toxicity of commercial silver nanopowders to bacterial and yeast strains. <i>Biotechnology and Bioprocess Engineering</i> , 2009 , 14, 490-495	3.1	42
119	Fabrication of multicomponent protein microarrays with microfluidic devices of poly(dimethylsiloxane). <i>Macromolecular Research</i> , 2009 , 17, 192-196	1.9	10
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