

Sung-june Cho

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.

142
papers

4,501
citations

36
h-index

63
g-index

148
ext. papers

5,165
ext. citations

7.3
avg, IF

5.54
L-index

#	Paper	IF	Citations
142	Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22769-22775	16.4	4
141	Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria**. <i>Angewandte Chemie</i> , 2021 , 133, 22951	3.6	
140	Partial oxidation of methane with hydrogen peroxide over Fe-ZSM-5 catalyst. <i>Catalysis Today</i> , 2021 , 376, 113-118	5.3	9
139	Defective Zr-Fumarate MOFs Enable High-Efficiency Adsorption Heat Allocations. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1723-1734	9.5	10
138	Locating Structure Directing Agent and Al in CHA: Combined Study of Structure Determination of X-Ray Powder Diffraction and Classical Lattice Energy Calculation. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 477-482	1.2	1
137	Rücktitelbild: Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria (Angew. Chem. 42/2021). <i>Angewandte Chemie</i> , 2021 , 133, 23212	3.6	1
136	Characterization of heterogeneous aryl-Pd(II)-oxo clusters as active species for C-H arylation. <i>Chemical Communications</i> , 2020 , 56, 14404-14407	5.8	4
135	Microporous 3D Graphene-like Zeolite-Templated Carbons for Preferential Adsorption of Ethane. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28484-28495	9.5	11
134	An unprecedented c-oriented DDR@MWW zeolite hybrid membrane: new insights into H ₂ -permselectivities via six membered-ring pores. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14071-14081 ³		5
133	Synthesis of plasmonic gold nanoparticles supported on morphology-controlled TiO ₂ for aerobic alcohol oxidation. <i>Catalysis Today</i> , 2020 , 352, 255-261	5.3	20
132	Hypergolic ignition delay studies of solidified ethanol fuel with hydrogen peroxide for hybrid rockets. <i>Combustion and Flame</i> , 2020 , 212, 205-215	5.3	6
131	Rational design of a robust aluminum metal-organic framework for multi-purpose water-sorption-driven heat allocations. <i>Nature Communications</i> , 2020 , 11, 5112	17.4	19
130	Gas-Phase Carbonylation of Dimethyl Ether on the Stable Seed-Derived Ferrierite. <i>ACS Catalysis</i> , 2020 , 10, 5135-5146	13.1	16
129	Experimental Study on Decomposition and Evaporation Characteristics of N,N,N',N'-Tetramethylethylenediamine and 1,2,4-Triazole. <i>Energies</i> , 2019 , 12, 3208	3.1	1
128	Comparative study of the mobility of Pd species in SSZ-13 and ZSM-5, and its implication for their activity as passive NO _x adsorbers (PNAs) after hydro-thermal aging. <i>Catalysis Science and Technology</i> , 2019 , 9, 163-173	5.5	38
127	A trigonal molecular assembly system with the dual light-driven functions of phase transition and fluorescence switching. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2276-2282	7.1	11
126	Spontaneous Nanobelt Formation by Self-Assembly of β -Benzyl GABA. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1945-1948	4.5	

125	Improvement of thermal stability of microporous TiO ₂ for NH ₃ -SCR reaction using multivalent cations. <i>Catalysis Today</i> , 2019 , 320, 133-140	5.3	1
124	Scalable synthesis of high purities ammonium dinitramide and its decomposition characteristics. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 63, 237-244	6.3	3
123	Nanocage-Confined Synthesis of Fluorescent Polycyclic Aromatic Hydrocarbons in Zeolite. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7101-7107	16.4	13
122	Effect of pore structure of TiO ₂ on the SO ₂ poisoning over V ₂ O ₅ /TiO ₂ catalysts for selective catalytic reduction of NO _x with NH ₃ . <i>Catalysis Today</i> , 2018 , 303, 19-24	5.3	24
121	On methanol to hydrocarbons reactions in a hierarchically structured ZSM-5 zeolite catalyst. <i>Catalysis Today</i> , 2018 , 303, 150-158	5.3	13
120	Effects of hierarchical zeolites on aromatization of acetylene. <i>Catalysis Today</i> , 2018 , 303, 177-184	5.3	8
119	Ultramicroporous Carbon Synthesis Using Lithium-Ion Effect in ZSM-5 Zeolite Template. <i>Chemistry of Materials</i> , 2018 , 30, 6513-6520	9.6	7
118	Microwave-induced synthesis of a bimetallic charge-transfer metal organic framework: a promising host for the chemical fixation of CO ₂ . <i>Catalysis Science and Technology</i> , 2018 , 8, 591-600	5.5	61
117	Investigation of the active sites and optimum Pd/Al of Pd/ZSM ₅ passive NO adsorbers for the cold-start application: Evidence of isolated-Pd species obtained after a high-temperature thermal treatment. <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 71-82	21.8	58
116	Organic template-free synthesis of high-quality CHA type zeolite membranes for carbon dioxide separation. <i>Journal of Membrane Science</i> , 2018 , 549, 46-59	9.6	31
115	Fe@C ₂ N: A highly-efficient indirect-contact oxygen reduction catalyst. <i>Nano Energy</i> , 2018 , 44, 304-310	17.1	85
114	Improved methanol-to-olefin reaction selectivity and catalyst life by CeO ₂ coating of ferrierite zeolite. <i>Microporous and Mesoporous Materials</i> , 2018 , 256, 155-164	5.3	17
113	Carbon Monoxide as a Promoter of Atomically Dispersed Platinum Catalyst in Electrochemical Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16198-16205	16.4	55
112	Dimethyl ether carbonylation to methyl acetate over highly crystalline zeolite seed-derived ferrierite. <i>Catalysis Science and Technology</i> , 2018 , 8, 3060-3072	5.5	16
111	Effect of Soot on N ₂ O Formation Over Pt Based Diesel Oxidation Catalyst Supported on Microporous TiO ₂ . <i>Topics in Catalysis</i> , 2017 , 60, 361-366	2.3	2
110	Facile Synthesis and Characterization of Nanostructured Transition Metal/Ceria Solid Solutions (TM _x Ce _{1-x} O ₂) (TM = Mn, Ni, Co, or Fe) for CO Oxidation. <i>Chemistry of Materials</i> , 2017 , 29, 2874-2882	9.6	29
109	Control of CO ₂ absorption capacity and kinetics by MgO-based dry sorbents promoted with carbonate and nitrate salts. <i>Journal of CO₂ Utilization</i> , 2017 , 19, 194-201	7.6	16
108	Directed C ₆₀ Activation and Tandem Cross-Coupling Reactions Using Palladium Nanocatalysts with Controlled Oxidation. <i>Angewandte Chemie</i> , 2017 , 129, 7056-7060	3.6	3

107	Directed C-H Activation and Tandem Cross-Coupling Reactions Using Palladium Nanocatalysts with Controlled Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6952-6956	16.4	21
106	Activation of Pd/SSZ-13 catalyst by hydrothermal aging treatment in passive NO adsorption performance at low temperature for cold start application. <i>Applied Catalysis B: Environmental</i> , 2017 , 212, 140-149	21.8	82
105	Hypergolicity and ignition delay study of gelled ethanolamine fuel. <i>Combustion and Flame</i> , 2017 , 183, 102-112	5.3	12
104	Facile large-scale synthesis of three-dimensional graphene-like ordered microporous carbon via ethylene carbonization in CaX zeolite template. <i>Carbon</i> , 2017 , 118, 517-523	10.4	26
103	Effects of microporous TiO ₂ support on the catalytic and structural properties of V ₂ O ₅ /microporous TiO ₂ for the selective catalytic reduction of NO by NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 421-431	21.8	57
102	Hypergolic Studies of Ethanol Based Gelled Bi-Propellant System for Propulsion Application. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 676-682	1.7	6
101	Aqueous microwave-assisted synthesis of non-interpenetrated metal-organic framework for room temperature cycloaddition of CO ₂ and epoxides. <i>Applied Catalysis A: General</i> , 2017 , 544, 126-136	5.1	28
100	Facile Synthesis of KFI-type Zeolite and Its Application to Selective Catalytic Reduction of NO _x with NH ₃ . <i>ACS Catalysis</i> , 2017 , 7, 6070-6081	13.1	48
99	Three-dimensional crystal structure of novel aluminophosphate PST-5 solved using a powder charge flipping method. <i>RSC Advances</i> , 2017 , 7, 38631-38638	3.7	2
98	Shaping of porous metal-organic framework granules using mesoporous alumina as a binder. <i>RSC Advances</i> , 2017 , 7, 55767-55777	3.7	54
97	A sustainable protocol for the facile synthesis of zinc-glutamate MOF: an efficient catalyst for room temperature CO ₂ fixation reactions under wet conditions. <i>Chemical Communications</i> , 2016 , 52, 280-3	5.8	113
96	Rh(0)/Rh(iii) core-shell nanoparticles as heterogeneous catalysts for cyclic carbonate synthesis. <i>Chemical Communications</i> , 2016 , 53, 384-387	5.8	6
95	Enhanced Stability of Spatially Confined Copper Nanoparticles in an Ordered Mesoporous Alumina for Dimethyl Ether Synthesis from Syngas. <i>ACS Catalysis</i> , 2016 , 6, 5629-5640	13.1	78
94	Tuning selectivity of electrochemical reactions by atomically dispersed platinum catalyst. <i>Nature Communications</i> , 2016 , 7, 10922	17.4	509
93	Assembly of an Achiral Chromophore into Light-Responsive Helical Nanostructures in the Absence of Chiral Components. <i>Chemistry - A European Journal</i> , 2016 , 22, 3971-5	4.8	10
92	Lanthanide oxide modified H-Mordenites: Deactivation of external acid sites in the isopropylation of naphthalene. <i>Microporous and Mesoporous Materials</i> , 2016 , 230, 217-226	5.3	4
91	Lanthanum-catalysed synthesis of microporous 3D graphene-like carbons in a zeolite template. <i>Nature</i> , 2016 , 535, 131-5	50.4	188
90	An ethylenediamine-grafted Y zeolite: a highly regenerable carbon dioxide adsorbent via temperature swing adsorption without urea formation. <i>Energy and Environmental Science</i> , 2016 , 9, 1803-1811	35.4	77

89	Effect of alkali metal salts on decomposition of ionic liquid like organic salt. <i>Research on Chemical Intermediates</i> , 2016 , 42, 201-209	2.8	
88	Structure Determination of Novel Aluminophosphate Synthesized Using Diethylamine as Structure Directing Agents. <i>Advanced Porous Materials</i> , 2016 , 4, 179-188		3
87	Effect of Co/Ni ratios in cobalt nickel mixed oxide catalysts on methane combustion. <i>Applied Catalysis A: General</i> , 2015 , 505, 62-69	5.1	67
86	Hydrolytic Transformation of Microporous Metal-Organic Frameworks to Hierarchical Micro- and Mesoporous MOFs. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13273-8	16.4	141
85	Compositionally Enhanced Flexibility in a Ga-Rich Zeolite Affords Unusual Structural Changes via Alkali Ion Exchange. <i>Chemistry of Materials</i> , 2015 , 27, 6177-6180	9.6	5
84	Suppressed N ₂ O formation during NH ₃ selective catalytic reduction using vanadium on zeolitic microporous TiO ₂ . <i>Scientific Reports</i> , 2015 , 5, 12702	4.9	19
83	Synthesis of Silicate Zeolite Analogues Using Organic Sulfonium Compounds as Structure-Directing Agents. <i>Angewandte Chemie</i> , 2015 , 127, 12996-12999	3.6	10
82	Synthesis of Silicate Zeolite Analogues Using Organic Sulfonium Compounds as Structure-Directing Agents. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12805-8	16.4	21
81	A Family of Molecular Sieves Containing Framework-Bound Organic Structure-Directing Agents. <i>Angewandte Chemie</i> , 2015 , 127, 11249-11253	3.6	6
80	Innenfunktionalbild: Synthesis of Silicate Zeolite Analogues Using Organic Sulfonium Compounds as Structure-Directing Agents (Angew. Chem. 43/2015). <i>Angewandte Chemie</i> , 2015 , 127, 13015-13015	3.6	
79	A family of molecular sieves containing framework-bound organic structure-directing agents. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11097-101	16.4	15
78	Effect of base binder, flash calcined hydrotalcite, in MFI zeolite granule: Catalytic activity over 1-butene isomerization and MTO reaction. <i>Applied Catalysis A: General</i> , 2015 , 502, 42-47	5.1	8
77	Exploring the Catalytic Potential of ZIF-90: Solventless and Co-Catalyst-Free Synthesis of Propylene Carbonate from Propylene Oxide and CO. <i>ChemPlusChem</i> , 2015 , 80, 715-721	2.8	47
76	Foldekture as a core material with anisotropic surface characteristics. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2159-62	16.4	27
75	High Rate Capability and Long Cycle Stability of Co ₃ O ₄ /CoFe ₂ O ₄ Nanocomposite as an Anode Material for High-Performance Secondary Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11234-11243	3.8	94
74	Combinational Synthetic Approaches for Isorecticular and Polymorphic Metal-Organic Frameworks with Tuned Pore Geometries and Surface Properties. <i>Chemistry of Materials</i> , 2014 , 26, 1711-1719	9.6	34
73	Multistimuli-responsive azobenzene nanofibers with aggregation-induced emission enhancement characteristics. <i>Chemical Communications</i> , 2014 , 50, 15815-8	5.8	39
72	Chabazite and zeolite 13X for CO ₂ capture under high pressure and moderate temperature conditions. <i>Chemical Communications</i> , 2014 , 50, 4927-30	5.8	27

71	Framework Al zoning in zeolite ECR-1. <i>Chemical Communications</i> , 2014 , 50, 1956-8	5.8	4
70	Intraframework migration of tetrahedral atoms in a zeolite. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8949-52	16.4	15
69	Experimental investigation of decomposition and evaporation characteristics of HAN-based monopropellants. <i>Combustion and Flame</i> , 2014 , 161, 1109-1116	5.3	15
68	Crystal structure of a novel interrupted aluminosilicate, CNU-1 with an unusual framework. <i>Solid State Sciences</i> , 2014 , 34, 85-90	3.4	
67	Intraframework Migration of Tetrahedral Atoms in a Zeolite. <i>Angewandte Chemie</i> , 2014 , 126, 9095-9098	3.6	
66	Structure Transformation of Na-Mg Based Salts for CO ₂ Capture and Storage at High Temperature Probed with Variable Temperature X-ray Powder Diffraction. <i>Energy Procedia</i> , 2014 , 63, 253-265	2.3	3
65	Synthesis and characterization of zeolites MTT and MFI, with controlled morphologies using mixed structure directing agents. <i>Microporous and Mesoporous Materials</i> , 2014 , 195, 205-215	5.3	9
64	Cation location in microporous zeolite, SSZ-13, probed with xenon adsorption measurement and ¹²⁹ Xe NMR spectrum. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 4346-9	1.3	3
63	Microtubes with rectangular cross-section by self-assembly of a short β -peptide foldamer. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20573-6	16.4	53
62	Size-Dependent Catalytic Performance of CuO on γ -Al ₂ O ₃ : NO Reduction versus NH ₃ Oxidation. <i>ACS Catalysis</i> , 2012 , 2, 1432-1440	13.1	66
61	Enhanced High Temperature Performance of MgAl ₂ O ₄ -Supported Pt/BaO Lean NO _x Trap Catalysts. <i>Topics in Catalysis</i> , 2012 , 55, 70-77	2.3	12
60	Photoluminescent carbon nanoparticles produced by confined combustion of aromatic compounds. <i>Carbon</i> , 2012 , 50, 1298-1302	10.4	57
59	Macroporous/mesoporous alumina supported iridium catalyst for hydrazine decomposition. <i>Catalysis Today</i> , 2012 , 185, 198-204	5.3	25
58	Synthesis of aluminosilicate and gallosilicate zeolites via a charge density mismatch approach and their characterization. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1917-34	16.4	37
57	Polar solvent soluble and hydrogen absorbing polyaniline nanofibers. <i>Synthetic Metals</i> , 2011 , 161, 280-284	3.6	35
56	Structure of BaO on hierarchical macro-meso-microporous alumina and its effect of interaction with Pt nanoparticle on NO ₂ desorption. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 7353-6	1.3	3
55	Iron-substituted TNU-9, TNU-10, and IM-5 zeolites and their steam-activated analogs as catalysts for direct N ₂ O decomposition. <i>Journal of Catalysis</i> , 2011 , 284, 23-33	7.3	29
54	Liquid-phase degradation of polyethylene (PE) over MFI zeolites with mesopores: Effects of the structure of PE and the characteristics of mesopores. <i>Applied Catalysis B: Environmental</i> , 2011 ,	21.8	10

53	Dealumination and characterization of chabazite for catalytic application. <i>Research on Chemical Intermediates</i> , 2011 , 37, 1239-1246	2.8	17
52	Self-assembled peptide architecture with a tooth shape: folding into shape. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17618-21	16.4	61
51	Electrochemical properties of electrospun Cu O ($x= 1, 2$)-embedded carbon nanofiber with EXAFS analysis. <i>Electrochimica Acta</i> , 2011 , 56, 6722-6731	6.7	12
50	Enhanced efficiency of dye-sensitized solar cells with novel synthesized TiO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 3623-7	1.3	6
49	Formation of nanotubule, nanorod and polycrystalline nanoparticles TiO ₂ by alkaline hydrothermal transformation of anatase TiO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 3336-40	1.3	12
48	Unique Role of Anchoring Penta-Coordinated Al ³⁺ Sites in the Sintering of γ -Al ₂ O ₃ -Supported Pt Catalysts. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2688-2691	6.4	77
47	Preparation and characterization of Pt nanoparticles inside nanotubule TiO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 3635-8	1.3	3
46	Highly stable aluminosilicates with a dual pore system: Simultaneous formation of meso- and microporosities with zeolitic BEA building units. <i>Microporous and Mesoporous Materials</i> , 2010 , 133, 82-90	5.3	14
45	The different impacts of SO ₂ and SO ₃ on Cu/zeolite SCR catalysts. <i>Catalysis Today</i> , 2010 , 151, 266-270	5.3	77
44	Facile preparation and unique H ₂ adsorption behavior of three-dimensional novel PtRu hollow sphere assemblies. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 208-212	5.3	3
43	Preparation of iridium catalyst and its catalytic activity over hydrazine hydrate decomposition for hydrogen production and storage. <i>Catalysis Today</i> , 2009 , 146, 196-201	5.3	27
42	Hydrogen storage on highly porous novel corn grain-based carbon monoliths. <i>Catalysis Today</i> , 2009 , 146, 234-240	5.3	14
41	Polyaniline Nanofiber Synthesis by Co-Use of Ammonium Peroxydisulfate and Sodium Hypochlorite. <i>Chemistry of Materials</i> , 2008 , 20, 4808-4814	9.6	58
40	Roles of Pt and BaO in the Sulfation of Pt/BaO/Al ₂ O ₃ Lean NO _x Trap Materials: Sulfur K-edge XANES and Pt LIII XAFS Studies. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2981-2987	3.8	16
39	Pore characteristics of micro and mesoporous materials probed with CO ₂ adsorption measurement at 273 K. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 5418-21	1.3	
38	Adsorption of water on mesoporous silica for heat management: effect of pore structure. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 5471-4	1.3	2
37	Electrospun MnFe ₂ O ₄ nanofibers: Preparation and morphology. <i>Composites Science and Technology</i> , 2008 , 68, 1704-1709	8.6	72
36	Cucurbit[6]uril: organic molecular porous material with permanent porosity, exceptional stability, and acetylene sorption properties. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3352-5	16.4	271

35	The physical state of Ga species in Ga-containing mordenite zeolites. <i>Microporous and Mesoporous Materials</i> , 2008 , 114, 343-351	5.3	8
34	Fabrication and characterization of cobalt ferrite (CoFe ₂ O ₄) nanofibers by electrospinning. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 147, 7-12	3.1	95
33	Change in local atomic and chemical bonding structures of Ge ₂ Sb ₂ Te ₅ alloys by isothermal heat treatment. <i>Thin Solid Films</i> , 2008 , 516, 6536-6540	2.2	12
32	Pd-Doped Double-Walled Silica Nanotubes as Hydrogen Storage Material at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 2679-2682	3.8	26
31	H ₂ sorption in HCl-treated polyaniline and polypyrrole. <i>Catalysis Today</i> , 2007 , 120, 336-340	5.3	51
30	Investigation of potential alternative hydrogen carrier, Mg supported zeolite with temperature programmed desorption of NH ₃ . <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 4041-4	1.3	
29	Catalytic decomposition of 1,2-dichlorobenzene using Pt-loaded nanoporous zeolite MFI catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3959-63	1.3	2
28	Synthesis of heat-resistant mesoporous SiOC ceramic and its hydrogen adsorption. <i>Journal of Materials Chemistry</i> , 2006 , 16, 558-562		29
27	Hydrogen Adsorption in Periodic Mesoporous Organic and Inorganic Silica Materials at Room Temperature. <i>Chemistry Letters</i> , 2006 , 35, 32-33	1.7	21
26	Characterization of Iridium Catalyst for Decomposition of Hydrazine Hydrate for Hydrogen Generation. <i>Catalysis Letters</i> , 2006 , 109, 181-186	2.8	73
25	Multiple-wavelength-transmission filters based on Si-SiO ₂ one-dimensional photonic crystals. <i>Journal of Applied Physics</i> , 2005 , 97, 103111	2.5	28
24	Zincoaluminophosphate Molecular Sieves with AFI and ATS Topologies: Synthesis by Dry-Gel Conversion Methods and Their Catalytic Properties in the Isopropylation of Biphenyl. <i>Materials Transactions</i> , 2005 , 46, 2659-2667	1.3	16
23	Characterization of PtSn Nanoparticles in KL Zeolite and n-Hexane Aromatization Activity. <i>Catalysis Letters</i> , 2004 , 97, 71-75	2.8	11
22	Structural transformation of PdPt nanoparticles probed with X-ray absorption near edge structure. <i>Catalysis Today</i> , 2004 , 93-95, 561-566	5.3	21
21	Friedel-Crafts alkylation over Al-incorporated mesoporous honeycomb. <i>Studies in Surface Science and Catalysis</i> , 2003 , 146, 669-672	1.8	1
20	Development of a catalytic combustor with heat exchanger. <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 457-460	2.8	1
19	Characteristics of the NiO/hexaaluminate for chemical looping combustion. <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 471-475	2.8	27
18	X-ray absorption and NMR spectroscopic investigations of zinc glutarates prepared from various zinc sources and their catalytic activities in the copolymerization of carbon dioxide and propylene oxide. <i>Journal of Catalysis</i> , 2003 , 218, 209-219	7.3	40

17	The catalytic heat exchanger using catalytic fin tubes. <i>Chemical Engineering Science</i> , 2003 , 58, 43-53	4.4	15
16	A fibre-mat catalytic burner for the heating system of PVC tiles. <i>International Journal of Energy Research</i> , 2002 , 26, 921-934	4.5	5
15	Effect of multivalent cations on agglomeration of Ru clusters supported on Y zeolite. <i>Catalysis Letters</i> , 2001 , 71, 163-167	2.8	2
14	Synthesis of manganese substituted hexaaluminate and its fabrication into monolithic honeycombs for catalytic combustion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 302, 286-293	5.3	7
13	Surfactant-mediated synthesis of metal substituted hexaaluminate from alumina sol. <i>Applied Catalysis B: Environmental</i> , 2001 , 30, 351-357	21.8	14
12	Formation and Growth of a Nanosized RuIr Bimetallic Cluster Supported on NaY Zeolite. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 1293-1298	3.4	2
11	Numerical studies of catalytic combustion in a catalytically stabilized combustor. <i>International Journal of Energy Research</i> , 2000 , 24, 1049-1064	4.5	6
10	Experimental and numerical studies on combustion characteristics of a catalytically stabilized combustor. <i>Catalysis Today</i> , 2000 , 59, 75-86	5.3	7
9	Reversible Structural Transformation of Palladium Catalyst Supported on LaAl ₂ O ₃ Probed with X-ray Absorption Fine Structure. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 8124-8128	3.4	14
8	Characteristics of methane combustion over LaCrO ₃ catalysts. <i>Catalysis Letters</i> , 1999 , 58, 63-66	2.8	11
7	A catalytic combustion technology of concentrated VOCs in textile coating process. <i>Korean Journal of Chemical Engineering</i> , 1999 , 16, 478-481	2.8	12
6	Investigation of Pt/Al ₂ O ₃ Catalysts Prepared by Sol-Gel Method. <i>Journal of Catalysis</i> , 1998 , 173, 295-303	7.3	39
5	Optically Transparent, Single-Crystal-Like Oriented Mesoporous Silica Films and Plates. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 10610-10613	3.4	88
4	Investigation of the Platinum Cluster Size and Location on Zeolite KL with ¹²⁹ Xe NMR, XAFS, and Xenon Adsorption. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 4996-5003		33
3	A new synthesis procedure for titanium-containing zeolites under strong alkaline conditions and the catalytic activity for partial oxidation and photocatalytic decomposition. <i>Catalysis Letters</i> , 1996 , 37, 217-221	2.8	10
2	Combined DRSEXAFS/XANES/TPR study of supported chromium catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 3245-3253		167
1	XANES and EXAFS study of a platinum phthalocyanine. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 785		7