

Sung-june Cho

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142
papers

4,501
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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	Tuning selectivity of electrochemical reactions by atomically dispersed platinum catalyst. <i>Nature Communications</i> , 2016 , 7, 10922	17.4	509
141	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
140	Lanthanum-catalysed synthesis of microporous 3D graphene-like carbons in a zeolite template. <i>Nature</i> , 2016 , 535, 131-5	50.4	188
139	Combined DRSEXAFSANESIPR study of supported chromium catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 3245-3253		167
138	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
137	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
136	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
135	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
134	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
133	Fe@C ₂ N: A highly-efficient indirect-contact oxygen reduction catalyst. <i>Nano Energy</i> , 2018 , 44, 304-310	17.1	85
132	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
131	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
130	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
129	Unique Role of Anchoring Penta-Coordinated Al ³⁺ Sites in the Sintering of Al ₂ O ₃ -Supported Pt Catalysts. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2688-2691	6.4	77
128	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
127	Characterization of Iridium Catalyst for Decomposition of Hydrazine Hydrate for Hydrogen Generation. <i>Catalysis Letters</i> , 2006 , 109, 181-186	2.8	73
126	Electrospun MnFe ₂ O ₄ nanofibers: Preparation and morphology. <i>Composites Science and Technology</i> , 2008 , 68, 1704-1709	8.6	72

125	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
124	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
123	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
122	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
121	Polyaniline Nanofiber Synthesis by Co-Use of Ammonium Peroxydisulfate and Sodium Hypochlorite. <i>Chemistry of Materials</i> , 2008 , 20, 4808-4814	9.6	58
120	Investigation of the active sites and optimum Pd/Al of Pd/ZSM β 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
119	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
118	Photoluminescent carbon nanoparticles produced by confined combustion of aromatic compounds. <i>Carbon</i> , 2012 , 50, 1298-1302	10.4	57
117	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
116	Shaping of porous metal-organic framework granules using mesoporous γ -alumina as a binder. <i>RSC Advances</i> , 2017 , 7, 55767-55777	3.7	54
115	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
114	H ₂ sorption in HCl-treated polyaniline and polypyrrole. <i>Catalysis Today</i> , 2007 , 120, 336-340	5.3	51
113	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
112	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
111	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
110	Multistimuli-responsive azobenzene nanofibers with aggregation-induced emission enhancement characteristics. <i>Chemical Communications</i> , 2014 , 50, 15815-8	5.8	39
109	Investigation of Pt/ γ -Al ₂ O ₃ Catalysts Prepared by Sol-Gel Method. <i>Journal of Catalysis</i> , 1998 , 173, 295-303	7.3	39
108	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

107	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
106	Polar solvent soluble and hydrogen absorbing polyaniline nanofibers. <i>Synthetic Metals</i> , 2011 , 161, 280-284	3.6	35
105	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
104	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
103	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
102	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
101	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
100	Synthesis of heat-resistant mesoporous SiOC ceramic and its hydrogen adsorption. <i>Journal of Materials Chemistry</i> , 2006 , 16, 558-562		29
99	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
98	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
97	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
96	Foldection as a core material with anisotropic surface characteristics. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2159-62	16.4	27
95	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
94	Characteristics of the NiO/hexaaluminate for chemical looping combustion. <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 471-475	2.8	27
93	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
92	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
91	Macroporous-mesoporous alumina supported iridium catalyst for hydrazine decomposition. <i>Catalysis Today</i> , 2012 , 185, 198-204	5.3	25
90	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

89	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
88	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
87	Hydrogen Adsorption in Periodic Mesoporous Organic and Inorganic Silica Materials at Room Temperature. <i>Chemistry Letters</i> , 2006 , 35, 32-33	1.7	21
86	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
85	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
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	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
82	Dealumination and characterization of chabazite for catalytic application. <i>Research on Chemical Intermediates</i> , 2011 , 37, 1239-1246	2.8	17
81	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
80	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
79	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
78	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
77	Gas-Phase Carbonylation of Dimethyl Ether on the Stable Seed-Derived Ferrierite. <i>ACS Catalysis</i> , 2020 , 10, 5135-5146	13.1	16
76	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
75	Intraframework migration of tetrahedral atoms in a zeolite. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8949-52	16.4	15
74	Experimental investigation of decomposition and evaporation characteristics of HAN-based monopropellants. <i>Combustion and Flame</i> , 2014 , 161, 1109-1116	5.3	15
73	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
72	The catalytic heat exchanger using catalytic fin tubes. <i>Chemical Engineering Science</i> , 2003 , 58, 43-53	4.4	15

71	Hydrogen storage on highly porous novel corn grain-based carbon monoliths. <i>Catalysis Today</i> , 2009 , 146, 234-240	5.3	14
70	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
69	Surfactant-mediated synthesis of metal substituted hexaaluminate from alumina sol. <i>Applied Catalysis B: Environmental</i> , 2001 , 30, 351-357	21.8	14
68	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
67	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
66	On methanol to hydrocarbons reactions in a hierarchically structured ZSM-5 zeolite catalyst. <i>Catalysis Today</i> , 2018 , 303, 150-158	5.3	13
65	Hypergolicity and ignition delay study of gelled ethanolamine fuel. <i>Combustion and Flame</i> , 2017 , 183, 102-112	5.3	12
64	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
63	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
62	Electrochemical properties of electrospun Cu _x O (x= 1, 2)-embedded carbon nanofiber with EXAFS analysis. <i>Electrochimica Acta</i> , 2011 , 56, 6722-6731	6.7	12
61	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
60	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
59	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
58	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
57	Characterization of PtSn Nanoparticles in KL Zeolite and n-Hexane Aromatization Activity. <i>Catalysis Letters</i> , 2004 , 97, 71-75	2.8	11
56	Characteristics of methane combustion over La ₂ O ₃ catalysts. <i>Catalysis Letters</i> , 1999 , 58, 63-66	2.8	11
55	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
54	Synthesis of Silicate Zeolite Analogues Using Organic Sulfonium Compounds as Structure-Directing Agents. <i>Angewandte Chemie</i> , 2015 , 127, 12996-12999	3.6	10

53	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
52	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
51	Defective Zr-Fumarate MOFs Enable High-Efficiency Adsorption Heat Allocations. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1723-1734	9.5	10
50	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
49	Partial oxidation of methane with hydrogen peroxide over Fe-ZSM-5 catalyst. <i>Catalysis Today</i> , 2021 , 376, 113-118	5.3	9
48	Effects of hierarchical zeolites on aromatization of acetylene. <i>Catalysis Today</i> , 2018 , 303, 177-184	5.3	8
47	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
46	The physical state of Ga species in Ga-containing mordenite zeolites. <i>Microporous and Mesoporous Materials</i> , 2008 , 114, 343-351	5.3	8
45	Ultramicroporous Carbon Synthesis Using Lithium-Ion Effect in ZSM-5 Zeolite Template. <i>Chemistry of Materials</i> , 2018 , 30, 6513-6520	9.6	7
44	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
43	Experimental and numerical studies on combustion characteristics of a catalytically stabilized combustor. <i>Catalysis Today</i> , 2000 , 59, 75-86	5.3	7
42	XANES and EXAFS study of a platinum phthalocyanine. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 785		7
41	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
40	Hypergolic Studies of Ethanol Based Gelled Bi-Propellant System for Propulsion Application. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 676-682	1.7	6
39	A Family of Molecular Sieves Containing Framework-Bound Organic Structure-Directing Agents. <i>Angewandte Chemie</i> , 2015 , 127, 11249-11253	3.6	6
38	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
37	Numerical studies of catalytic combustion in a catalytically stabilized combustor. <i>International Journal of Energy Research</i> , 2000 , 24, 1049-1064	4.5	6
36	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

35	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
34	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 ¹³		5
33	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
32	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
31	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
30	Framework Al zoning in zeolite ECR-1. <i>Chemical Communications</i> , 2014 , 50, 1956-8	5.8	4
29	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
28	Directed C-H Activation and Tandem Cross-Coupling Reactions Using Palladium Nanocatalysts with Controlled Oxidation. <i>Angewandte Chemie</i> , 2017 , 129, 7056-7060	3.6	3
27	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
26	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
25	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
24	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
23	Facile preparation and unique H ₂ adsorption behavior of three-dimensional novel Pt/Ru hollow sphere assemblies. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 208-212	5.3	3
22	Preparation and characterization of Pt nanoparticles inside nanotubule TiO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 3635-8	1.3	3
21	Structure Determination of Novel Aluminophosphate Synthesized Using Diethylamine as Structure Directing Agents. <i>Advanced Porous Materials</i> , 2016 , 4, 179-188		3
20	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
19	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
18	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

17	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
16	Effect of multivalent cations on agglomeration of Ru clusters supported on Y zeolite. <i>Catalysis Letters</i> , 2001 , 71, 163-167	2.8	2
15	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
14	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
13	Friedel-crafts alkylation over Al-incorporated mesoporous honeycomb. <i>Studies in Surface Science and Catalysis</i> , 2003 , 146, 669-672	1.8	1
12	Development of a catalytic combustor with heat exchanger. <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 457-460	2.8	1
11	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
10	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
9	Reaktorbild: 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
8	Spontaneous Nanobelt Formation by Self-Assembly of Benzyl GABA. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1945-1948	4.5	
7	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	
6	Crystal structure of a novel interrupted aluminosilicate, CNU-1 with an unusual framework. <i>Solid State Sciences</i> , 2014 , 34, 85-90	3.4	
5	Innenreaktorbild: 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	
4	Intraframework Migration of Tetrahedral Atoms in a Zeolite. <i>Angewandte Chemie</i> , 2014 , 126, 9095-9098	3.6	
3	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	
2	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	
1	Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria**. <i>Angewandte Chemie</i> , 2021 , 133, 22951	3.6	