

Sung-june Cho

List of Publications by Year in descending order

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141
papers

5,849
citations

81839

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148
docs citations

148
times ranked

8554
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning selectivity of electrochemical reactions by atomically dispersed platinum catalyst. <i>Nature Communications</i> , 2016, 7, 10922.	5.8	683
2	Cucurbit[6]uril: Organic Molecular Porous Material with Permanent Porosity, Exceptional Stability, and Acetylene Sorption Properties. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3352-3355.	7.2	293
3	Lanthanum-catalysed synthesis of microporous 3D graphene-like carbons in a zeolite template. <i>Nature</i> , 2016, 535, 131-135.	13.7	253
4	Combined DRSA€RSa€EXAFS€XANESa€TPR study of supported chromium catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 3245-3253.	1.7	188
5	Hydrolytic Transformation of Microporous Metal-Organic Frameworks to Hierarchical Micro- and Mesoporous MOFs. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13273-13278.	7.2	186
6	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, 280-283.	2.2	140
7	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.	10.8	127
8	Fe@C ₂ N: A highly-efficient indirect-contact oxygen reduction catalyst. <i>Nano Energy</i> , 2018, 44, 304-310.	8.2	118
9	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.	15.6	116
10	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.	1.7	104
11	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.	2.1	101
12	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.	5.5	101
13	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.	1.5	100
14	Optically Transparent, Single-Crystal-Like Oriented Mesoporous Silica Films and Plates. <i>Journal of Physical Chemistry B</i> , 1997, 101, 10610-10613.	1.2	99
15	The different impacts of SO ₂ and SO ₃ on Cu/zeolite SCR catalysts. <i>Catalysis Today</i> , 2010, 151, 266-270.	2.2	96
16	Effect of Co/Ni ratios in cobalt nickel mixed oxide catalysts on methane combustion. <i>Applied Catalysis A: General</i> , 2015, 505, 62-69.	2.2	89
17	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.	10.8	89
18	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.	5.5	83

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19	Characterization of Iridium Catalyst for Decomposition of Hydrazine Hydrate for Hydrogen Generation. <i>Catalysis Letters</i> , 2006, 109, 181-186.	1.4	81
20	Shaping of porous metal-organic framework granules using mesoporous γ -alumina as a binder. <i>RSC Advances</i> , 2017, 7, 55767-55777.	1.7	81
21	Electrospun $MnFe_2O_4$ nanofibers: Preparation and morphology. <i>Composites Science and Technology</i> , 2008, 68, 1704-1709.	3.8	80
22	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.	2.1	79
23	Effects of microporous TiO_2 support on the catalytic and structural properties of V_2O_5 /microporous TiO_2 for the selective catalytic reduction of NO by NH_3 . <i>Applied Catalysis B: Environmental</i> , 2017, 210, 421-431.	10.8	78
24	Size-Dependent Catalytic Performance of CuO on $\gamma-Al_2O_3$: NO Reduction versus NH_3 Oxidation. <i>ACS Catalysis</i> , 2012, 2, 1432-1440.	5.5	75
25	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.	6.6	74
26	Polyaniline Nanofiber Synthesis by Co-Use of Ammonium Peroxydisulfate and Sodium Hypochlorite. <i>Chemistry of Materials</i> , 2008, 20, 4808-4814.	3.2	70
27	Self-Assembled Peptide Architecture with a Tooth Shape: Folding into Shape. <i>Journal of the American Chemical Society</i> , 2011, 133, 17618-17621.	6.6	70
28	Rational design of a robust aluminum metal-organic framework for multi-purpose water-sorption-driven heat allocations. <i>Nature Communications</i> , 2020, 11, 5112.	5.8	68
29	Exploring the Catalytic Potential of $ZIF@ZnO$: Solventless and Co^{II} -Catalyst-Free Synthesis of Propylene Carbonate from Propylene Oxide and CO_2 . <i>ChemPlusChem</i> , 2015, 80, 715-721.	1.3	62
30	H_2 sorption in HCl-treated polyaniline and polypyrrole. <i>Catalysis Today</i> , 2007, 120, 336-340.	2.2	61
31	Microtubes with Rectangular Cross-Section by Self-Assembly of a Short β -Peptide Foldamer. <i>Journal of the American Chemical Society</i> , 2012, 134, 20573-20576.	6.6	61
32	Photoluminescent carbon nanoparticles produced by confined combustion of aromatic compounds. <i>Carbon</i> , 2012, 50, 1298-1302.	5.4	61
33	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.	2.1	58
34	Investigation of $Pt/\gamma-Al_2O_3$ Catalysts Prepared by Sol-Gel Method. <i>Journal of Catalysis</i> , 1998, 173, 295-303.	3.1	50
35	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.	3.1	50
36	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.	4.1	47

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37	Multistimuli-responsive azobenzene nanofibers with aggregation-induced emission enhancement characteristics. <i>Chemical Communications</i> , 2014, 50, 15815-15818.	2.2	45
38	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, 1917-1934.	6.6	40
39	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.	3.2	40
40	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.	2.2	40
41	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.	2.9	39
42	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.	2.2	39
43	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.	3.2	38
44	Polar solvent soluble and hydrogen absorbing polyaniline nanofibers. <i>Synthetic Metals</i> , 2011, 161, 280-284.	2.1	37
45	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.	5.4	37
46	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.	3.1	36
47	Chabazite and zeolite 13X for CO ₂ capture under high pressure and moderate temperature conditions. <i>Chemical Communications</i> , 2014, 50, 4927.	2.2	35
48	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.	7.2	35
49	Gas-Phase Carbonylation of Dimethyl Ether on the Stable Seed-Derived Ferrierite. <i>ACS Catalysis</i> , 2020, 10, 5135-5146.	5.5	35
50	Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22769-22775.	7.2	34
51	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.	2.2	33
52	Multiple-wavelength-transmission filters based on Si-SiO ₂ one-dimensional photonic crystals. <i>Journal of Applied Physics</i> , 2005, 97, 103111.	1.1	32
53	Synthesis of heat-resistant mesoporous SiOC ceramic and its hydrogen adsorption. <i>Journal of Materials Chemistry</i> , 2006, 16, 558-562.	6.7	32
54	Foldecture as a Core Material with Anisotropic Surface Characteristics. <i>Journal of the American Chemical Society</i> , 2015, 137, 2159-2162.	6.6	32

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55	Synthesis of plasmonic gold nanoparticles supported on morphology-controlled TiO ₂ for aerobic alcohol oxidation. <i>Catalysis Today</i> , 2020, 352, 255-261.	2.2	32
56	Macroporous mesoporous alumina supported iridium catalyst for hydrazine decomposition. <i>Catalysis Today</i> , 2012, 185, 198-204.	2.2	31
57	Dimethyl ether carbonylation to methyl acetate over highly crystalline zeolite seed-derived ferrierite. <i>Catalysis Science and Technology</i> , 2018, 8, 3060-3072.	2.1	29
58	Defective Zr-Fumarate MOFs Enable High-Efficiency Adsorption Heat Allocations. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1723-1734.	4.0	29
59	Pd-Doped Double-Walled Silica Nanotubes as Hydrogen Storage Material at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2679-2682.	1.5	28
60	Characteristics of the NiO/hexaaluminate for chemical looping combustion. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 471-475.	1.2	27
61	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, 108-109, 61-71.	10.8	27
62	Microporous 3D Graphene-like Zeolite-Templated Carbons for Preferential Adsorption of Ethane. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28484-28495.	4.0	25
63	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.	1.6	24
64	Synthesis of Silicate Zeolite Analogues Using Organic Sulfonium Compounds as Structure-Directing Agents. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12805-12808.	7.2	24
65	Nanocage-Confined Synthesis of Fluorescent Polycyclic Aromatic Hydrocarbons in Zeolite. <i>Journal of the American Chemical Society</i> , 2018, 140, 7101-7107.	6.6	24
66	Structural transformation of PdPt nanoparticles probed with X-ray absorption near edge structure. <i>Catalysis Today</i> , 2004, 93-95, 561-566.	2.2	23
67	Dealumination and characterization of chabazite for catalytic application. <i>Research on Chemical Intermediates</i> , 2011, 37, 1239-1246.	1.3	22
68	Hydrogen Adsorption in Periodic Mesoporous Organic and Inorganic Silica Materials at Room Temperature. <i>Chemistry Letters</i> , 2006, 35, 32-33.	0.7	21
69	On methanol to hydrocarbons reactions in a hierarchically structured ZSM-5 zeolite catalyst. <i>Catalysis Today</i> , 2018, 303, 150-158.	2.2	21
70	Hypergolicity and ignition delay study of gelled ethanolamine fuel. <i>Combustion and Flame</i> , 2017, 183, 102-112.	2.8	20
71	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.	2.2	20
72	The catalytic heat exchanger using catalytic fin tubes. <i>Chemical Engineering Science</i> , 2003, 58, 43-53.	1.9	18

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73	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.	0.4	18
74	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.	0.8	18
75	Intraframework Migration of Tetrahedral Atoms in a Zeolite. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8949-8952.	7.2	18
76	Partial oxidation of methane with hydrogen peroxide over Fe-ZSM-5 catalyst. <i>Catalysis Today</i> , 2021, 376, 113-118.	2.2	18
77	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 L _{III} XAFS Studies. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2981-2987.	1.5	17
78	Experimental investigation of decomposition and evaporation characteristics of HAN-based monopropellants. <i>Combustion and Flame</i> , 2014, 161, 1109-1116.	2.8	17
79	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.	3.3	17
80	Ultramicroporous Carbon Synthesis Using Lithium-Ion Effect in ZSM-5 Zeolite Template. <i>Chemistry of Materials</i> , 2018, 30, 6513-6520.	3.2	16
81	Characteristics of methane combustion over La-Cr-O catalysts. <i>Catalysis Letters</i> , 1999, 58, 63-66.	1.4	15
82	Reversible Structural Transformation of Palladium Catalyst Supported on La-Al ₂ O ₃ Probed with X-ray Absorption Fine Structure. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8124-8128.	1.2	15
83	A Family of Molecular Sieves Containing Framework-Bound Organic Structure-Directing Agents. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11097-11101.	7.2	15
84	Assembly of an Achiral Chromophore into Light-Responsive Helical Nanostructures in the Absence of Chiral Components. <i>Chemistry - A European Journal</i> , 2016, 22, 3971-3975.	1.7	15
85	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.	2.7	15
86	Surfactant-mediated synthesis of metal substituted hexaaluminate from alumina sol. <i>Applied Catalysis B: Environmental</i> , 2001, 30, 351-357.	10.8	14
87	Characterization of PtSn Nanoparticles in KL Zeolite and n-Hexane Aromatization Activity. <i>Catalysis Letters</i> , 2004, 97, 71-75.	1.4	14
88	Hydrogen storage on highly porous novel corn grain-based carbon monoliths. <i>Catalysis Today</i> , 2009, 146, 234-240.	2.2	14
89	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.	2.2	14
90	Hypergolic ignition delay studies of solidified ethanol fuel with hydrogen peroxide for hybrid rockets. <i>Combustion and Flame</i> , 2020, 212, 205-215.	2.8	14

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91	Formation of Nanotubule, Nanorod and Polycrystalline Nanoparticles TiO ₂ ; by Alkaline Hydrothermal Transformation of Anatase TiO ₂ . Journal of Nanoscience and Nanotechnology, 2010, 10, 3336-3340.	0.9	13
92	A catalytic combustion technology of concentrated VOCs in textile coating process. Korean Journal of Chemical Engineering, 1999, 16, 478-481.	1.2	12
93	Electrochemical properties of electrospun Cu O (x= 1, 2)-embedded carbon nanofiber with EXAFS analysis. Electrochimica Acta, 2011, 56, 6722-6731.	2.6	12
94	Enhanced High Temperature Performance of MgAl ₂ O ₄ -Supported Pt/BaO Lean NO _x Trap Catalysts. Topics in Catalysis, 2012, 55, 70-77.	1.3	12
95	Effect of base binder, flash calcined hydrotalcite, in MFI zeolite granule: Catalytic activity over 1-butene isomerization and MTO reaction. Applied Catalysis A: General, 2015, 502, 42-47.	2.2	12
96	A new synthesis procedure for titanium-containing zeolites under strong alkaline conditions and the catalytic activity for partial oxidation and photocatalytic decomposition. Catalysis Letters, 1996, 37, 217-221.	1.4	11
97	Synthesis and characterization of zeolites MTT and MFI, with controlled morphologies using mixed structure directing agents. Microporous and Mesoporous Materials, 2014, 195, 205-215.	2.2	10
98	Effects of hierarchical zeolites on aromatization of acetylene. Catalysis Today, 2018, 303, 177-184.	2.2	10
99	An unprecedented c-oriented DDR@MWW zeolite hybrid membrane: new insights into H ₂ -permselectivities via six membered-ring pores. Journal of Materials Chemistry A, 2020, 8, 14071-14081.	5.2	10
100	Rh(O)/Rh(ⁱⁱⁱ) core-shell nanoparticles as heterogeneous catalysts for cyclic carbonate synthesis. Chemical Communications, 2017, 53, 384-387.	2.2	9
101	Hydrothermal Green Synthesis of a Robust Al Metal-Organic-Framework Effective for Water Adsorption Heat Allocations. ACS Sustainable Chemistry and Engineering, 2022, 10, 7010-7019.	3.2	9
102	XANES and EXAFS study of a platinum phthalocyanine. Journal of the Chemical Society Chemical Communications, 1994, , 785.	2.0	8
103	Numerical studies of catalytic combustion in a catalytically stabilized combustor. International Journal of Energy Research, 2000, 24, 1049-1064.	2.2	8
104	Synthesis of manganese substituted hexaaluminate and its fabrication into monolithic honeycombs for catalytic combustion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 302, 286-293.	2.6	8
105	The physical state of Ga species in Ga-containing mordenite zeolites. Microporous and Mesoporous Materials, 2008, 114, 343-351.	2.2	8
106	Framework Al zoning in zeolite ECR-1. Chemical Communications, 2014, 50, 1956.	2.2	8
107	Characterization of heterogeneous aryl-Pd(ⁱⁱ)-oxo clusters as active species for C-H arylation. Chemical Communications, 2020, 56, 14404-14407.	2.2	8
108	Locating Structure Directing Agent and Al in CHA : Combined Study of Structure Determination of X-Ray Powder Diffraction and Classical Lattice Energy Calculation. Bulletin of the Korean Chemical Society, 2021, 42, 477-482.	1.0	8

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109	Experimental and numerical studies on combustion characteristics of a catalytically stabilized combustor. <i>Catalysis Today</i> , 2000, 59, 75-86.	2.2	7
110	Hypergolic Studies of Ethanol Based Gelled Bi-Propellant System for Propulsion Application. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 676-682.	1.0	7
111	Enhanced Efficiency of Dye-Sensitized Solar Cells with Novel Synthesized TiO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3623-3627.	0.9	6
112	Scalable synthesis of high purities ammonium dinitramide and its decomposition characteristics. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 237-244.	2.9	6
113	Improvement of thermal stability of microporous TiO ₂ for NH ₃ -SCR reaction using multivalent cations. <i>Catalysis Today</i> , 2019, 320, 133-140.	2.2	6
114	A fibre-mat catalytic burner for the heating system of PVC tiles. <i>International Journal of Energy Research</i> , 2002, 26, 921-934.	2.2	5
115	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.	3.2	5
116	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.	2.2	5
117	Directed C-H Activation and Tandem Cross-Coupling Reactions Using Palladium Nanocatalysts with Controlled Oxidation. <i>Angewandte Chemie</i> , 2017, 129, 7056-7060.	1.6	5
118	Formation and Growth of a Nanosized Ru ₂ Bimetallic Cluster Supported on NaY Zeolite. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1293-1298.	1.2	4
119	Experimental Study on Decomposition and Evaporation Characteristics of N,N,N',N'-Tetramethylethylenediamine and 1,2,4-Triazole. <i>Energies</i> , 2019, 12, 3208.	1.6	4
120	Catalytic Decomposition of 1,2-Dichlorobenzene Using Pt-Loaded Nanoporous Zeolite MFI Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3959-3963.	0.9	3
121	Adsorption of Water on Mesoporous Silica for Heat Management: Effect of Pore Structure. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5471-5474.	0.9	3
122	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.	2.2	3
123	Preparation and Characterization of Pt Nanoparticles Inside Nanotubule TiO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3635-3638.	0.9	3
124	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, 7353-7356.	0.9	3
125	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, 4346-4349.	0.9	3
126	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.	1.8	3

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127	Structure Determination of Novel Aluminophosphate Synthesized Using Diethylamine as Structure Directing Agents. <i>Advanced Porous Materials</i> , 2016, 4, 179-188.	0.3	3
128	Effect of multivalent cations on agglomeration of Ru clusters supported on Y zeolite. <i>Catalysis Letters</i> , 2001, 71, 163-167.	1.4	2
129	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.	1.3	2
130	Three-dimensional crystal structure of novel aluminophosphate PST-5 solved using a powder charge flipping method. <i>RSC Advances</i> , 2017, 7, 38631-38638.	1.7	2
131	Development of a catalytic combustor with heat exchanger. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 457-460.	1.2	1
132	Friedel-crafts alkylation over Al-incorporated mesoporous honeycomb. <i>Studies in Surface Science and Catalysis</i> , 2003, 146, 669-672.	1.5	1
133	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, 5418-5421.	0.9	1
134	Spontaneous Nanobelt Formation by Self-Assembly of β -Benzyl GABA. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1945-1948.	1.7	1
135	Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria (Angew. Chem. 42/2021). <i>Angewandte Chemie</i> , 2021, 133, 23212-23212.	1.6	1
136	Highly Energetic Ionic Liquids for Chemical Propulsion Based on Imidazole and Triazole Derivatives: Relationship Between Crystal Structure and Ignition Delay Time. <i>Science of Advanced Materials</i> , 2017, 9, 1863-1866.	0.1	1
137	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, 4041-4044.	0.9	0
138	Crystal structure of a novel interrupted aluminosilicate, CNU-1 with an unusual framework. <i>Solid State Sciences</i> , 2014, 34, 85-90.	1.5	0
139	Innenstruktur: 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.	1.6	0
140	Effect of alkali metal salts on decomposition of ionic liquid like organic salt. <i>Research on Chemical Intermediates</i> , 2016, 42, 201-209.	1.3	0
141	Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria**. <i>Angewandte Chemie</i> , 2021, 133, 22951.	1.6	0