

Ji Man Kim

List of Publications by Year in descending order

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220
papers

11,760
citations

29994

54
h-index

30010

103
g-index

225
all docs

225
docs citations

225
times ranked

12476
citing authors

#	ARTICLE	IF	CITATIONS
1	Triggering anomalous capacity by nanoengineered ordered mesoporous structure for Co ₃ O ₄ anode material in Li-ion rechargeable batteries. <i>Applied Surface Science</i> , 2022, 575, 151744.	3.1	8
2	Unveiling the Genesis and Effectiveness of Negative Fading in Nanostructured Iron Oxide Anode Materials for Lithium-Ion Batteries. <i>ACS Nano</i> , 2022, 16, 631-642.	7.3	64
3	Ordered WO ₃ /mesoporous SnO ₂ catalysts with excellent acetalization performance for producing bio-additives from glycerol. <i>Molecular Catalysis</i> , 2022, 520, 112179.	1.0	3
4	Glycerol acetalization over highly ordered mesoporous molybdenum dioxide: Excellent catalytic performance, recyclability and water-tolerance. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 107, 354-364.	2.9	3
5	Revealing the unconventional lithium storage mechanism of ordered mesoporous NiO for lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 526, 231135.	4.0	9
6	Reaction mechanism and additional lithium storage of mesoporous MnO ₂ anode in Li batteries. <i>Journal of Energy Chemistry</i> , 2021, 53, 276-284.	7.1	23
7	Efficient and reusable ordered mesoporous WO _x /SnO ₂ catalyst for oxidative desulfurization of dibenzothiophene. <i>RSC Advances</i> , 2021, 11, 27453-27460.	1.7	4
8	Unveiling the role of micropores in porous carbon for Li- ⁶ S batteries using <i>operando</i> SAXS. <i>Chemical Communications</i> , 2021, 57, 10500-10503.	2.2	10
9	Evidence for the Coexistence of Polysulfide and Conversion Reactions in the Lithium Storage Mechanism of MoS ₂ Anode Material. <i>Chemistry of Materials</i> , 2021, 33, 1935-1945.	3.2	16
10	Pt nanoparticles encapsulated in CeO ₂ over-layers synthesized by controlled reductive treatment to suppress CH ₄ formation in high-temperature water-gas shift reaction. <i>Journal of Catalysis</i> , 2021, 395, 246-257.	3.1	12
11	The effects of nanostructures on lithium storage behavior in Mn ₂ O ₃ anodes for next-generation lithium-ion batteries. <i>Journal of Power Sources</i> , 2021, 493, 229682.	4.0	23
12	Pd/SiO ₂ as an active and durable CH ₄ oxidation catalyst for vehicle applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 99, 90-97.	2.9	7
13	Plasma Catalyst-Integrated System for Ammonia Production from H ₂ O and N ₂ at Atmospheric Pressure. <i>ACS Energy Letters</i> , 2021, 6, 3004-3010.	8.8	29
14	In-situ hydrogenation of bio-oil/bio-oil phenolic compounds with secondary alcohols over a synthesized mesoporous Ni/CeO ₂ catalyst. <i>Chemical Engineering Journal</i> , 2020, 382, 122912.	6.6	38
15	Additional Lithium Storage on Dynamic Electrode Surface by Charge Redistribution in Inactive Ru Metal. <i>Small</i> , 2020, 16, 1905868.	5.2	5
16	Raman scattering of true 1D van der Waals Nb ₂ Se ₉ nanowires. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1100-1107.	1.2	5
17	Improvement of Fuel Economy and Greenhouse Gases Reduction in Gasoline Powered Vehicles Through the TWC-NO _x Trap Catalyst. <i>International Journal of Automotive Technology</i> , 2020, 21, 441-449.	0.7	6
18	Modeling and Applications of Electrochemical Impedance Spectroscopy (EIS) for Lithium-ion Batteries. <i>Journal of Electrochemical Science and Technology</i> , 2020, 11, 1-13.	0.9	523

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19	Applications of Voltammetry in Lithium Ion Battery Research. <i>Journal of Electrochemical Science and Technology</i> , 2020, 11, 14-25.	0.9	166
20	Open-tubular radially cyclical electric field-flow fractionation (OTR-CyElFFF): an online concentric distribution strategy for simultaneous separation of microparticles. <i>Lab on A Chip</i> , 2020, 20, 3535-3543.	3.1	1
21	Catalytic hydrodeoxygenation of crude bio-oil in supercritical methanol using supported nickel catalysts. <i>Renewable Energy</i> , 2019, 144, 159-166.	4.3	65
22	Ring Enlargement of Methylcyclopentane over Pt/(HZSM-48+pseudoboehmite) Catalysts. <i>Catalysts</i> , 2019, 9, 531.	1.6	4
23	Preparation of Nanoporous PdIrZn Alloy Catalyst by Dissolving Excess ZnO for Cathode of High-Temperature Polymer Electrolyte Membrane Fuel Cells. <i>Energies</i> , 2019, 12, 4155.	1.6	10
24	Removal of toluene using ozone at room temperature over mesoporous Mn/Al ₂ O ₃ catalysts. <i>Environmental Research</i> , 2019, 172, 649-657.	3.7	51
25	Comparative study of bulk and nano-structured mesoporous SnO ₂ electrodes on the electrochemical performances for next generation Li rechargeable batteries. <i>Journal of Power Sources</i> , 2019, 413, 241-249.	4.0	37
26	Mild hydrodeoxygenation of phenolic lignin model compounds over a FeReO _x /ZrO ₂ catalyst: zirconia and rhenium oxide as efficient dehydration promoters. <i>Green Chemistry</i> , 2018, 20, 1472-1483.	4.6	59
27	Exceptional Lithium Storage in a Co(OH) ₂ Anode: Hydride Formation. <i>ACS Nano</i> , 2018, 12, 2909-2921.	7.3	64
28	Nanostructural Uniformity of Ordered Mesoporous Materials: Governing Lithium Storage Behaviors. <i>Small</i> , 2018, 14, e1702985.	5.2	17
29	Support effect of Ni/mesoporous silica catalysts for CO ₂ reforming of CH ₄ . <i>Research on Chemical Intermediates</i> , 2018, 44, 3867-3878.	1.3	7
30	Highly efficient mesoporous WO _x /KIT-6 catalysts for oxidative desulfurization of dibenzothiophene with hydrogen peroxide. <i>Research on Chemical Intermediates</i> , 2018, 44, 3687-3695.	1.3	6
31	Improved electrochemical performance of ordered mesoporous carbon by incorporating macropores for Li-O ₂ battery cathode. <i>Carbon</i> , 2018, 133, 118-126.	5.4	17
32	Ordered mesoporous Cu-Mn-Ce ternary metal oxide catalysts for low temperature water-gas shift reaction. <i>Catalysis Today</i> , 2018, 307, 237-242.	2.2	20
33	Photocatalytic CO ₂ conversion on highly ordered mesoporous materials: Comparisons of metal oxides and compound semiconductors. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 594-601.	10.8	61
34	Synthesis of high-energy-density fuel over mesoporous aluminosilicate catalysts. <i>Catalysis Today</i> , 2018, 303, 71-76.	2.2	13
35	Batteries: Nanostructural Uniformity of Ordered Mesoporous Materials: Governing Lithium Storage Behaviors (<i>Small</i> 43/2018). <i>Small</i> , 2018, 14, 1870197.	5.2	0
36	Organic small molecules and polymers as an electrode material for rechargeable lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19885-19911.	5.2	200

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37	EDTA-functionalized KCC-1 and KIT-6 mesoporous silicas for Nd ³⁺ ion recovery from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 210-218.	2.9	143
38	Ordered Mesoporous Cu–Mn Metal Oxides for the Catalytic Decomposition of an Energetic Ionic Liquid. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 353-358.	0.9	1
39	Direct observation of pseudocapacitive sodium storage behavior in molybdenum dioxide anodes. <i>Journal of Power Sources</i> , 2018, 397, 113-123.	4.0	10
40	Enhancement of the interfacial reaction on mesoporous RuO ₂ for next generation Li batteries. <i>Journal of Power Sources</i> , 2018, 396, 749-753.	4.0	18
41	Revisiting Solid Electrolyte Interphase on the Carbonaceous Electrodes Using Soft X-ray Absorption Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29992-29999.	4.0	8
42	Preparation of Mesoporous CuCe-Based Ternary Metal Oxide by Nano-Replication and Its Application to Decomposition of Liquid Monopropellant. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1427-1430.	0.9	3
43	Pd core-shell alloy catalysts for high-temperature polymer electrolyte membrane fuel cells: Effect of the core composition on the activity towards oxygen reduction reactions. <i>Applied Catalysis A: General</i> , 2018, 562, 250-257.	2.2	30
44	Catalytic Pyrolysis of <i>Pinus densiflora</i> Over Mesoporous Al ₂ O ₃ Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6300-6303.	0.9	6
45	Visible-Light Driven Photocatalytic Degradation of Organic Dyes over Ordered Mesoporous Cd _x Zn _{1-x} S Materials. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5137-5144.	1.5	65
46	Effective Photocatalytic Performance of Ordered Mesoporous Fe ₂ O ₃ –TiO ₂ Under Visible Light. <i>Topics in Catalysis</i> , 2017, 60, 789-795.	1.3	4
47	Highly Ordered Mesoporous Cobalt-Copper Composite Oxides for Preferential CO Oxidation. <i>Catalysis Surveys From Asia</i> , 2017, 21, 45-52.	1.0	2
48	International Symposium on Catalytic Conversion of Energy & Resources, 2016. <i>Topics in Catalysis</i> , 2017, 60, 635-636.	1.3	0
49	Tunable synthesis of hierarchical mesoporous silica via porogen-carrying organosilicates. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 409-415.	2.2	1
50	Ordered mesoporous MCo ₂ O ₄ (M = Cu, Zn and Ni) spinel catalysts with high catalytic performance for methane combustion. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 68-74.	4.8	44
51	Ordered Mesoporous Cu–Co–CeO ₂ Catalyst for Water-Gas Shift Reaction at High Temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8149-8152.	0.9	5
52	Facile Synthesis of Nitrogen and Sulfur-Doped Ordered Mesoporous Carbon Through Solvent-Free Infiltration Method. <i>Science of Advanced Materials</i> , 2017, 9, 1254-1257.	0.1	2
53	Catalytic Pyrolysis of Waste Wood Plastic Composite Over H-V-MCM-41 Catalysts. <i>Science of Advanced Materials</i> , 2017, 9, 934-937.	0.1	3
54	Hydrodeoxygenation of Bio-Oil Model Compounds Over Pt/Al-MSU-F. <i>Science of Advanced Materials</i> , 2017, 9, 945-948.	0.1	1

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55	Catalytic Pyrolysis of Citrus unshiu Peel Over Mesoporous Catalysts. <i>Science of Advanced Materials</i> , 2017, 9, 1015-1019.	0.1	2
56	Catalytic Oxidative Desulfurization of Dibenzothiophene Compounds Over Tungsten Oxide Catalysts Supported on Spherical Mesoporous TiO ₂ . <i>Science of Advanced Materials</i> , 2017, 9, 1236-1240.	0.1	3
57	Improvement of Pore Structure Stability of Disordered Nanoporous TiO ₂ Material by Nano-Propping Effect. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11434-11437.	0.9	0
58	Evaluation of Kojyl Benzoate Derivatives as Potential Depigmenting Agents in Mouse B16/F1 Melanoma Cells. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 942-945.	1.0	2
59	Discovering a Dual Buffer Effect for Lithium Storage: Durable Nanostructured Ordered Mesoporous Co-Sn Intermetallic Electrodes. <i>Advanced Functional Materials</i> , 2016, 26, 2800-2808.	7.8	50
60	Catalytic Properties of Nanoporous Manganese Oxides in Decomposition of High-Purity Hydrogen Peroxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9153-9159.	0.9	2
61	Water treatment by polysulfone membrane modified with tetrahydrofuran and water pressure. <i>Macromolecular Research</i> , 2016, 24, 1020-1023.	1.0	15
62	Self-arrangement of nanoparticles toward crystalline metal oxides with high surface areas and tunable 3D mesopores. <i>Scientific Reports</i> , 2016, 6, 21496.	1.6	3
63	Binary Oxide Catalyst Supported on Mesoporous CeO ₂ for Low Temperature Water-Gas Shift Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11438-11442.	0.9	0
64	Catalytic copolyolysis of particle board and polypropylene over Al-MCM-48. <i>Materials Research Bulletin</i> , 2016, 82, 61-66.	2.7	8
65	Semi-interpenetrating solid polymer electrolyte based on thiol-ene cross-linker for all-solid-state lithium batteries. <i>Journal of Power Sources</i> , 2016, 334, 154-161.	4.0	57
66	Porous hollow manganites with robust composite shells for oxidation of CO at low temperature. <i>RSC Advances</i> , 2016, 6, 113682-113688.	1.7	4
67	Discovery of abnormal lithium-storage sites in molybdenum dioxide electrodes. <i>Nature Communications</i> , 2016, 7, 11049.	5.8	112
68	Heterogeneous Electrocatalyst of Palladium-Cobalt-Phosphorus on Carbon Support for Oxygen Reduction Reaction in High Temperature Proton Exchange Membrane Fuel Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4357-4361.	0.9	9
69	Selective Catalytic Reduction of NO with NH ₃ Over V-MCM-41 Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1744-1747.	0.9	2
70	Synthesis of alkali promoted mesoporous, nanocrystalline Pd/TiO ₂ catalyst for water gas shift reaction. <i>Catalysis Today</i> , 2016, 265, 45-51.	2.2	10
71	Mesoporous transition metal dichalcogenide ME ₂ (M = Mo, W; E = S, Se) with 2-D layered crystallinity as anode materials for lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 14253-14260.	1.7	52
72	Hydrodechlorination of Silicon Tetrachloride to Trichlorosilane Over Ordered Mesoporous Carbon Catalysts: Effect of Pretreatment of Oxygen and Hydrochloric Acid. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1802-1805.	0.9	2

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73	Ex situ catalytic upgrading of lignocellulosic biomass components over vanadium contained H-MCM-41 catalysts. <i>Catalysis Today</i> , 2016, 265, 184-191.	2.2	36
74	Effect of acid catalysts on carbonization temperatures for ordered mesoporous carbon materials. <i>Carbon Letters</i> , 2016, 20, 66-71.	3.3	10
75	Facile Synthesis of Thermally Stable Mesoporous Titania Spheres with Excellent Photocatalytic Activity. <i>Chemistry Letters</i> , 2015, 44, 61-63.	0.7	1
76	Systematically Controlled Pore System of Ordered Mesoporous Carbons Using Phosphoric Acid as the <i>In situ</i> Generated Catalysts for Carbonization and Activation. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2062-2067.	1.0	6
77	Probing the Additional Capacity and Reaction Mechanism of the RuO ₂ Anode in Lithium Rechargeable Batteries. <i>ChemSusChem</i> , 2015, 8, 2378-2384.	3.6	52
78	<i>In Operando</i> Monitoring of the Pore Dynamics in Ordered Mesoporous Electrode Materials by Small Angle X-ray Scattering. <i>ACS Nano</i> , 2015, 9, 5470-5477.	7.3	38
79	Synthesis of Ordered Mesoporous Manganese Oxides with Various Oxidation States. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2441-2445.	0.9	15
80	Synthesis and characterization of polycaprolactone-grafted carbon nanotubes via click reaction. <i>Composite Interfaces</i> , 2015, 22, 193-201.	1.3	7
81	Development of stable electrochemical catalysts using ordered mesoporous carbon/silicon carbide nanocomposites. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12352-12361.	3.8	16
82	Highly Ordered Mesoporous WO ₃ with Excellent Catalytic Performance and Reusability for Deep Oxidative Desulfurization. <i>Nano</i> , 2015, 10, 1550075.	0.5	10
83	Silver Nanowire-Conducting Polymer-ITO Hybrids for Flexible and Transparent Conductive Electrodes with Excellent Durability. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15928-15934.	4.0	50
84	Nanotechnology enabled rechargeable Li-SO ₂ batteries: another approach towards post-lithium-ion battery systems. <i>Energy and Environmental Science</i> , 2015, 8, 3173-3180.	15.6	23
85	Highly Ordered Mesoporous Antimony-Doped SnO ₂ Materials for Lithium-ion Battery. <i>Nano</i> , 2015, 10, 1550090.	0.5	6
86	Steam Treated Ordered Mesoporous Carbon Nanomaterials for Catalytic Conversion of Silicon Tetrachloride to Trichlorosilane. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6714-6718.	0.9	0
87	Self-assembled porous MoO ₂ /graphene microspheres towards high performance anodes for lithium ion batteries. <i>Journal of Power Sources</i> , 2015, 275, 351-361.	4.0	133
88	Catalytic Properties of Highly Ordered Crystalline Nanoporous Tungsten Oxide in Butanol Dehydration. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8828-8833.	0.9	4
89	3-D Ordered Mesoporous Cd _x Zn _{1-x} S Ternary Compound Semiconductors with Controlled Band Gap Energy. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 9033-9036.	0.9	3
90	Removal of NO _x at Low Temperature Over Mesoporous γ -Mn ₂ O ₃ Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2527-2531.	0.9	9

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91	New Insight into the Reaction Mechanism for Exceptional Capacity of Ordered Mesoporous SnO ₂ Electrodes via Synchrotron-Based X-ray Analysis. <i>Chemistry of Materials</i> , 2014, 26, 6361-6370.	3.2	114
92	Fast and low-temperature sintering of silver complex using oximes as a potential reducing agent for solution-processible, highly conductive electrodes. <i>Nanotechnology</i> , 2014, 25, 465706.	1.3	2
93	Metal-Organic Framework@Microporous Organic Network: Hydrophobic Adsorbents with a Crystalline Inner Porosity. <i>Journal of the American Chemical Society</i> , 2014, 136, 6786-6789.	6.6	200
94	Highly ordered mesoporous Cd _x Zn _{1-x} Se ternary compound semiconductors with controlled band gap energies. <i>New Journal of Chemistry</i> , 2014, 38, 3729-3736.	1.4	11
95	Catalyst deactivation by carbon formation during CO hydrogenation to hydrocarbons on mesoporous Co ₃ O ₄ . <i>Microporous and Mesoporous Materials</i> , 2014, 188, 196-202.	2.2	50
96	Improvement of dye-sensitized solar cell performance through infiltration of TiO ₂ nanoparticles between mesoporous TiO ₂ particles. <i>Materials Research Bulletin</i> , 2014, 58, 88-92.	2.7	8
97	Hydrophilicity-Controlled Ordered Mesoporous Carbon for Lithium-Sulfur Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 9383-9387.	0.9	1
98	Synthesis and Biological Evaluation of Kojic acid Derivatives as Tyrosinase Inhibitors. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 3647-3650.	1.0	4
99	Highly ordered crystalline mesoporous metal oxides for hydrogen peroxide decomposition. <i>Journal of Porous Materials</i> , 2013, 20, 989-995.	1.3	13
100	Benzene oxidation with ozone over MnO/SBA-15 catalysts. <i>Catalysis Today</i> , 2013, 204, 108-113.	2.2	42
101	Microporous Organic Network Hollow Spheres: Useful Templates for Nanoparticulate Co ₃ O ₄ Hollow Oxidation Catalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 19115-19118.	6.6	188
102	Redox-buffer effect of Fe ²⁺ ions on the selective olefin/paraffin separation and hydrogen tolerance of a Cu ⁺ -based mesoporous adsorbent. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6653.	5.2	22
103	Catalytic Oxidation of Benzene Using Mesoporous Mn ₂ O ₃ . <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7472-7476.	0.9	3
104	Removal of Indoor Formaldehyde Over CMK-8 Adsorbents. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2879-2884.	0.9	8
105	Catalytic Oxidation of Benzene with Ozone Over Mn/KIT-6. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 423-426.	0.9	11
106	Highly reversible conversion-capacity of MnO _x -loaded ordered mesoporous carbon nanorods for lithium-ion battery anodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 17870.	6.7	64
107	Mesoporous Inverse Opal TiO ₂ Film as Light Scattering Layer for Dye-Sensitized Solar Cell. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 815-821.	0.9	10
108	Catalytic Oxidation of Benzene with Ozone Over Nanoporous Mn/MCM-48 Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5942-5946.	0.9	14

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109	A New Mussel-Inspired Polydopamine Sensitizer for Dye-Sensitized Solar Cells: Controlled Synthesis and Charge Transfer. <i>Chemistry - A European Journal</i> , 2012, 18, 14000-14007.	1.7	90
110	In situ-generated metal oxide catalyst during CO oxidation reaction transformed from redox-active metal-organic framework-supported palladium nanoparticles. <i>Nanoscale Research Letters</i> , 2012, 7, 461.	3.1	21
111	Catalytic ozone oxidation of benzene at low temperature over MnOx/Al-SBA-16 catalyst. <i>Nanoscale Research Letters</i> , 2012, 7, 14.	3.1	21
112	Indoor formaldehyde removal over CMK-3. <i>Nanoscale Research Letters</i> , 2012, 7, 7.	3.1	43
113	Design of a Highly Nanodispersed Pd-MgO/SiO ₂ Composite Catalyst with Multifunctional Activity for CH ₄ Reforming. <i>ChemSusChem</i> , 2012, 5, 1474-1481.	3.6	35
114	Low temperature selective catalytic reduction of NO with NH ₃ over Mn supported on Ce _{0.65} Zr _{0.35} O ₂ prepared by supercritical method: Effect of Mn precursors on NO reduction. <i>Catalysis Today</i> , 2012, 185, 290-295.	2.2	40
115	Low temperature CO oxidation over Pd catalysts supported on highly ordered mesoporous metal oxides. <i>Catalysis Today</i> , 2012, 185, 183-190.	2.2	127
116	Carbon-supported ultra-high loading Pt nanoparticle catalyst by controlled overgrowth of Pt: Improvement of Pt utilization leads to enhanced direct methanol fuel cell performance. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 6880-6885.	3.8	45
117	Catalytic pyrolysis of waste rice husk over mesoporous materials. <i>Nanoscale Research Letters</i> , 2012, 7, 18.	3.1	34
118	Effect of calcination temperature on the oxidation of benzene with ozone at low temperature over mesoporous γ -Mn ₂ O ₃ . <i>Powder Technology</i> , 2011, 214, 458-462.	2.1	33
119	Room-temperature CO oxidation over a highly ordered mesoporous RuO ₂ catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 103, 87-99.	0.8	17
120	Synthesis of highly ordered mesoporous CeO ₂ and low temperature CO oxidation over Pd/mesoporous CeO ₂ . <i>Research on Chemical Intermediates</i> , 2011, 37, 1181-1192.	1.3	11
121	The application of Py-GC/MS for the catalytic upgrading of oil separated from summer food waste leachate. <i>Research on Chemical Intermediates</i> , 2011, 37, 1283-1291.	1.3	6
122	Preparation and application of chelating polymer-mesoporous silica composite for Europium-ion adsorption. <i>Macromolecular Research</i> , 2011, 19, 421-426.	1.0	10
123	Spontaneous Phase Separation Mediated Synthesis of 3D Mesoporous Carbon with Controllable Cage and Window Size. <i>Advanced Materials</i> , 2011, 23, 2357-2361.	11.1	32
124	Enhancement of electrochemical stability and catalytic activity of Pt nanoparticles via strong metal-support interaction with sulfur-containing ordered mesoporous carbon. <i>Catalysis Today</i> , 2011, 164, 186-189.	2.2	39
125	Catalytic upgrading of oil fractions separated from food waste leachate. <i>Bioresource Technology</i> , 2011, 102, 3952-3957.	4.8	56
126	Removal of Cu(II)-ion over amine-functionalized mesoporous silica materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 504-509.	2.9	39

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127	Effect of Mn Precursors on Benzene Oxidation with Ozone Over MnO _x /MCM-41 at Low Temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7303-7306.	0.9	9
128	Catalytic Conversion of 1,2-Dichlorobenzene Over Mesoporous Materials from Zeolite. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3639-3642.	0.9	5
129	Highly Ordered Mesoporous γ -Mn ₂ O ₃ for Catalytic Decomposition of H ₂ O ₂ at Low Temperatures. <i>Chemistry Letters</i> , 2010, 39, 493-495.	0.7	30
130	Removal of uranium(VI) from aqueous solutions by nanoporous carbon and its chelating polymer composite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 286, 129-133.	0.7	69
131	Anthraquinone Sulfonate Modified, Layered Double Hydroxide Nanosheets for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2010, 16, 8296-8299.	1.7	31
132	FIXATION OF CARBON NANOTUBE WITHIN MESOPOROUS TITANIA PARTICLES. <i>Functional Materials Letters</i> , 2010, 03, 115-118.	0.7	0
133	Application of Ordered Nanoporous Silica for Removal of Uranium Ions from Aqueous Solutions. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 217-221.	0.9	32
134	Preparation of polypyrrole-incorporated mesoporous carbon-based composites for confinement of Eu(III) within mesopores. <i>Journal of Materials Chemistry</i> , 2010, 20, 4663.	6.7	11
135	Morphology-selective synthesis of mesoporous SBA-15 particles over micrometer, submicrometer and nanometer scales. <i>Journal of Materials Chemistry</i> , 2010, 20, 8483.	6.7	124
136	Selective polymerization of polypyrrole in silica mesopores using an in situ generated oxidizing agent on a silica surface. <i>Chemical Communications</i> , 2010, 46, 6566.	2.2	21
137	Synthesis and characterization of Co-Fe Prussian blue nanoparticles within MCM-41. <i>Materials Research Bulletin</i> , 2009, 44, 78-81.	2.7	23
138	Preparation of high loading Pt nanoparticles on ordered mesoporous carbon with a controlled Pt size and its effects on oxygen reduction and methanol oxidation reactions. <i>Electrochimica Acta</i> , 2009, 54, 5746-5753.	2.6	123
139	MALDI-TOF-MS analysis of small molecules using modified mesoporous material SBA-15 as assisted matrix. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 2167-2173.	1.2	31
140	Solvent-free infiltration method for mesoporous SnO ₂ using mesoporous silica templates. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 441-446.	2.2	80
141	Preparation and application of chelating polymer-mesoporous carbon composite for copper-ion adsorption. <i>Carbon</i> , 2009, 47, 1043-1049.	5.4	25
142	Periodic Mesoporous Organosilica with a Hexagonally Pillared Lamellar Structure. <i>Journal of the American Chemical Society</i> , 2009, 131, 14249-14251.	6.6	14
143	Facile synthesis of highly ordered mesoporous silver using cubic mesoporous silica template with controlled surface hydrophobicity. <i>Chemical Communications</i> , 2009, , 650-652.	2.2	54
144	Ultrastable Pt nanoparticles supported on sulfur-containing ordered mesoporous carbon via strong metal-support interaction. <i>Journal of Materials Chemistry</i> , 2009, 19, 5934.	6.7	76

#	ARTICLE	IF	CITATIONS
145	Nano-propping effect of residual silicas on reversible lithium storage over highly ordered mesoporous SnO ₂ materials. <i>Journal of Materials Chemistry</i> , 2009, 19, 6727.	6.7	41
146	Simultaneous removal of particulates and NO by the catalytic bag filter containing MnO _x catalysts. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 86-89.	1.2	19
147	Frictional Characteristics of a Nanoporous SiO ₂ Film with a Surface-Treated by Chemical Mechanical Polishing. <i>Journal of the Korean Physical Society</i> , 2009, 54, 1247-1251.	0.3	2
148	Pyrolysis of polypropylene over mesoporous MCM-48 material. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1125-1128.	1.9	42
149	Rational Synthesis Pathway for Ordered Mesoporous Carbon with Controllable 30-100 Å Pores. <i>Advanced Materials</i> , 2008, 20, 757-762.	11.1	84
150	Ordered mesoporous carbons with controlled particle sizes as catalyst supports for direct methanol fuel cell cathodes. <i>Carbon</i> , 2008, 46, 2034-2045.	5.4	100
151	Synthesis of highly stable mesoporous aluminosilicates from commercially available zeolites and their application to the pyrolysis of woody biomass. <i>Catalysis Today</i> , 2008, 132, 68-74.	2.2	68
152	Application of polymer-modified nanoporous silica to adsorbents of uranyl ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 162-166.	2.3	48
153	Preparation and characterization of mesoporous carbon-supported Pt nanocatalyst and its stability under strong acidic solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 167-170.	2.3	7
154	Preparation of functionalized nanoporous carbons for uranium loading. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 292-295.	2.3	38
155	Frictional Performances of Activated Carbon and Carbon Blacks as Lubricant Additives. <i>Tribology Transactions</i> , 2008, 52, 133-137.	1.1	16
156	A new route for obtaining Prussian blue nanoparticles. <i>Materials Chemistry and Physics</i> , 2008, 107, 6-8.	2.0	41
157	Synthesis of porous silica with hierarchical structure directed by a silica precursor carrying a pore-generating cage. <i>Journal of Materials Chemistry</i> , 2008, 18, 4971.	6.7	7
158	SYNTHESIS OF MESOPOROUS IRON OXIDE NANOPARTICLES FROM MESOPOROUS SILICA TEMPLATE VIA NANO-REPLICATION. <i>Functional Materials Letters</i> , 2008, 01, 151-154.	0.7	14
159	Synthesis of Nanoporous Material from Zeolite USY and Catalytic Application to Bio-Oil Conversion. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5439-5444.	0.9	23
160	Preparation of Highly Ordered Mesoporous TiO ₂ Materials with Crystalline Framework from Different Mesostructured Silica Templates via Nanoreplication. <i>Chemistry Letters</i> , 2008, 37, 140-141.	0.7	35
161	Direct sulfonation of ordered mesoporous carbon for catalyst support of direct methanol fuel cell. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 401-404.	1.5	4
162	Adsorption Characteristics of Uranyl Ions on Carboxymethylated Polyethyleneimine (CM-PEI) / Activated Carbon Composites. <i>Solid State Phenomena</i> , 2007, 124-126, 1257-1260.	0.3	1

#	ARTICLE	IF	CITATIONS
163	Pt(IV) Adsorption Characteristics of Nanoporous Carbons Modified with Carboxymethylated Polyethyleneimine. <i>Solid State Phenomena</i> , 2007, 124-126, 1781-1784.	0.3	2
164	Nano-replication to mesoporous metal oxides using mesoporous silica as template. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 309-312.	1.5	2
165	Ordered mesoporous carbon as new support for direct methanol fuel cell: controlling of microporosity and graphitic character. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 397-400.	1.5	2
166	Ultrafast production of ordered mesoporous carbons via microwave irradiation. <i>Carbon</i> , 2007, 45, 2851-2854.	5.4	16
167	Manganese oxide catalysts for NO _x reduction with NH ₃ at low temperatures. <i>Applied Catalysis A: General</i> , 2007, 327, 261-269.	2.2	733
168	Diarylmethanes catalyzed by nickel(II) ion on nanoporous carbon. <i>Journal of Molecular Catalysis A</i> , 2007, 265, 323-329.	4.8	7
169	Selective Synthesis of 1-butene through Positional Isomerisation of 2-butene over Mesoporous Silica MCM-41. <i>Catalysis Letters</i> , 2007, 119, 179-184.	1.4	23
170	Synthesis of Conducting Mesoporous Materials Implanting Carbon Nanotubes inside Particles. <i>Chemistry Letters</i> , 2006, 35, 510-511.	0.7	4
171	Cu-Mn mixed oxides for low temperature NO reduction with NH ₃ . <i>Catalysis Today</i> , 2006, 111, 236-241.	2.2	238
172	Ordered mesoporous carbons (OMC) as supports of electrocatalysts for direct methanol fuel cells (DMFC): Effect of carbon precursors of OMC on DMFC performances. <i>Electrochimica Acta</i> , 2006, 52, 1618-1626.	2.6	198
173	Photo patternable porous siloxane thin films using cyclodextrins as template materials. <i>Thin Solid Films</i> , 2006, 496, 526-532.	0.8	8
174	Novel MnO _x Catalysts for NO Reduction at Low Temperature with Ammonia. <i>Catalysis Letters</i> , 2006, 106, 77-80.	1.4	67
175	Two-stage catalyst system for selective catalytic reduction of NO _x by NH ₃ at low temperatures. <i>Applied Catalysis B: Environmental</i> , 2006, 68, 21-27.	10.8	42
176	Microwave Synthesis of Metallosilicate Zeolites with Fibrous Morphology. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1786-1791.	0.9	17
177	Direct synthesis, characterization and catalytic application of SBA-15 containing heteropolyacid H ₃ PW ₁₂ O ₄₀ . <i>Journal of Molecular Catalysis A</i> , 2005, 229, 199-205.	4.8	111
178	A novel and efficient route to diarylmethanes catalyzed by nickel(II) ion on nanoporous carbon. <i>Tetrahedron Letters</i> , 2005, 46, 2849-2852.	0.7	30
179	Ordered mesoporous carbons: Implication of surface chemistry, pore structure and adsorption of methyl mercaptan. <i>Carbon</i> , 2005, 43, 1868-1873.	5.4	81
180	A Novel and Efficient Route to Diarylmethanes Catalyzed by Nickel(II) Ion on Nanoporous Carbon.. <i>ChemInform</i> , 2005, 36, no.	0.1	0

#	ARTICLE	IF	CITATIONS
181	Highly efficient silver patterning without photo-resist using simple silver precursors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 117, 11-16.	1.7	10
182	Rational design of ordered mesoporous carbon with controlled bimodal porosity via dual silica templating route. <i>Chemical Communications</i> , 2005, , 6035.	2.2	25
183	Sol-gel synthesis of methyl-modified mesoporous materials with dual porosity. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 777-783.	1.5	14
184	Systematic phase control of periodic mesoporous organosilicas using Gemini surfactants. <i>Journal of Materials Chemistry</i> , 2005, 15, 4711.	6.7	54
185	Enhancement in the reducibility of cobalt oxides on a mesoporous silica supported cobalt catalyst. <i>Chemical Communications</i> , 2005, , 1462.	2.2	54
186	Synthesis and catalysis of nanometer-sized bimodal mesoporous aluminosilicate materials. <i>Catalysis Today</i> , 2004, 93-95, 615-618.	2.2	17
187	Dehydroxylation Route to Surface Modification of Mesoporous Silicas by Using Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3839-3842.	7.2	39
188	Adsorption and conversion of various hydrocarbons on monolithic hydrocarbon adsorber. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 538-542.	5.0	17
189	Synthesis of zeolite beta in fluoride media under microwave irradiation. <i>Microporous and Mesoporous Materials</i> , 2004, 68, 77-82.	2.2	71
190	Preparation of stable mesoporous inorganic oxides via nano-replication technique. <i>Catalysis Today</i> , 2004, 93-95, 695-699.	2.2	59
191	Direct synthesis of ordered mesoporous materials constructed with polymer-silica hybrid frameworks. <i>Chemical Communications</i> , 2004, , 1524-1525.	2.2	22
192	Highly Stable Mesoporous Metal Oxides Using Nano-Propping Hybrid Gemini Surfactants. <i>Journal of the American Chemical Society</i> , 2004, 126, 2310-2311.	6.6	82
193	Hydroformylation of Mixed Octenes Using Rhodium-Bulky Phosphonite Complexes with Excellent Catalytic Activity and Stability. <i>Chemistry Letters</i> , 2004, 33, 174-175.	0.7	10
194	Preparation and characterization of zeolite catalysts for etherification reaction. <i>Catalysis Today</i> , 2003, 87, 195-203.	2.2	29
195	Functionalized periodic mesoporous organosilicas with sulfonic acid group. <i>Studies in Surface Science and Catalysis</i> , 2003, 146, 477-480.	1.5	0
196	Aluminum containing periodic mesoporous organosilicas: synthesis and etherification. <i>Studies in Surface Science and Catalysis</i> , 2003, , 665-668.	1.5	1
197	Periodic Mesoporous Organosilicas Functionalized with Sulfonic Acid Group. Synthesis and Alkylation of Phenol. <i>Chemistry Letters</i> , 2003, 32, 650-651.	0.7	40
198	Cobalt Catalyst Heterogenized on SBA-15 for p-Xylene Oxidation. <i>Chemistry Letters</i> , 2002, 31, 212-213.	0.7	31

#	ARTICLE	IF	CITATIONS
199	Three-Dimensional Cubic Mesoporous Structures of SBA-12 and Related Materials by Electron Crystallography. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3118-3123.	1.2	160
200	Structural Design of Mesoporous Silica by Micelle-Packing Control Using Blends of Amphiphilic Block Copolymers. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2552-2558.	1.2	219
201	Reversible replication between ordered mesoporous silica and mesoporous carbon. <i>Chemical Communications</i> , 2002, , 1944-1945.	2.2	170
202	Simple and fast microwave-enhanced wet etching of SiC particles for electroless Ni-P plating. <i>Surface and Coatings Technology</i> , 2002, 161, 79-85.	2.2	29
203	Hydrothermal stability of MCM-48 improved by post-synthesis restructuring in salt solution. <i>Microporous and Mesoporous Materials</i> , 2000, 41, 119-127.	2.2	72
204	Direct imaging of the pores and cages of three-dimensional mesoporous materials. <i>Nature</i> , 2000, 408, 449-453.	13.7	832
205	Preparation of Noble Metal Nanowires Using Hexagonal Mesoporous Silica SBA-15. <i>Chemistry of Materials</i> , 2000, 12, 2068-2069.	3.2	633
206	One-step synthesis of ordered mesocomposites with non-ionic amphiphilic block copolymers: implications of isoelectric point, hydrolysis rate and fluoride. <i>Chemical Communications</i> , 2000, , 2437-2438.	2.2	69
207	Synthesis of highly ordered mesoporous silica materials using sodium silicate and amphiphilic block copolymers. <i>Chemical Communications</i> , 2000, , 1159-1160.	2.2	171
208	Improvement of Hydrothermal Stability of Mesoporous Silica Using Salts: Reinvestigation for Time-Dependent Effects. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6200-6205.	1.2	156
209	Energetically Favored Formation of MCM-48 from Cationic~Neutral Surfactant Mixtures. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7435-7440.	1.2	227
210	Characterization of High-Quality MCM-48 and SBA-1 Mesoporous Silicas. <i>Chemistry of Materials</i> , 1999, 11, 2568-2572.	3.2	103
211	Characterization of Highly Ordered MCM-41 Silicas Using X-ray Diffraction and Nitrogen Adsorption. <i>Langmuir</i> , 1999, 15, 5279-5284.	1.6	150
212	Novel Mesoporous Silicates with Two-Dimensional Mesostructure Direction Using Rigid Bolaform Surfactants. <i>Chemistry of Materials</i> , 1999, 11, 2668-2672.	3.2	118
213	Mesocrystal engineering using non-bonded interaction to obtain optically transparent mesoporous silica films and plates with uniform orientation. <i>Microporous and Mesoporous Materials</i> , 1998, 21, 235-243.	2.2	19
214	Synthesis of MCM-48 single crystals. <i>Chemical Communications</i> , 1998, , 259-260.	2.2	213
215	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
216	Monitoring of the structure of siliceous mesoporous molecular sieves tailored using different synthesis conditions. <i>Microporous Materials</i> , 1997, 12, 93-106.	1.6	64

#	ARTICLE	IF	CITATIONS
217	Mesoporous molecular sieve with binary transition metal (Zr-Cr) oxide framework. <i>Catalysis Today</i> , 1997, 38, 221-226.	2.2	23
218	Preparation of nanosize Pt clusters using ion exchange of Pt(NH ₃) ₄ ²⁺ inside mesoporous channel of MCM-41. <i>Catalysis Letters</i> , 1996, 37, 29-33.	1.4	51
219	Ion Exchange and Thermal Stability of MCM-41. <i>The Journal of Physical Chemistry</i> , 1995, 99, 16742-16747.	2.9	307
220	Structural order in MCM-41 controlled by shifting silicate polymerization equilibrium. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 711.	2.0	220