Do Heui Kim

List of Publications by Year
in descending order

185 papers	7,695 citations	61977 43 h-index	62593 80 g-index
186 all docs	186 docs citations	186 times ranked	6864 citing authors

#	Article	IF	Citations
1	Upgrading bio-oil model compound over bifunctional Ru/HZSM-5 catalysts in biphasic system: Complete hydrodeoxygenation of vanillin. Journal of Hazardous Materials, 2022, 423, 126525.	12.4	24
2	Enhanced SO2 resistance of V2O5/WO3-TiO2 catalyst physically mixed with alumina for the selective catalytic reduction of NOx with NH3. Chemical Engineering Journal, 2022, 433, 133836.	12.7	19
3	Top-down HCl treatment to prepare highly active Ga species in Ga/ZSM-5 for propane aromatization. Fuel Processing Technology, 2022, 227, 107107.	7.2	8
4	Alleviating inhibitory effect of H2 on low-temperature water-gas shift reaction activity of Pt/CeO2 catalyst by forming CeO2 nano-patches on Pt nano-particles. Applied Catalysis B: Environmental, 2022, 305, 121038.	20.2	11
5	Aggregation of CeO₂ particles with aligned grains drives sintering of Pt single atoms in Pt/CeO₂ catalysts. Journal of Materials Chemistry A, 2022, 10, 7029-7035.	10.3	2
6	Enhancement in the metal efficiency of Ru/TiO2 catalyst for guaiacol hydrogenation via hydrogen spillover in the liquid phase. Journal of Catalysis, 2022, 410, 93-102.	6.2	13
7	In situ spectroscopic studies of the effect of water on the redox cycle of Cu ions in Cu-SSZ-13 during selective catalytic reduction of NO_x. Chemical Communications, 2022, 58, 6610-6613.	4.1	12
8	System-Level Analysis of Methanol Production from Shale Gas Integrated with Multibed-BTX Production. ACS Sustainable Chemistry and Engineering, 2022, 10, 5998-6011.	6.7	10
9	Tailoring the mechanochemical interaction between vanadium oxides and zeolite for sulfur-resistant DeNO catalysts. Applied Catalysis B: Environmental, 2022, 316, 121672.	20.2	9
10	Deactivation resistance effect of alkane co-feeding on methane dehydroaromatization and active GaO+ species in Ga/HZSM-5 for BTX production. Fuel, 2022, 325, 124939.	6.4	6
11	System-level analysis for continuous BTX production from shale gas over Mo/HZSM-5 catalyst: Promotion effects of CO2 co-feeding on process economics and environment. Chemical Engineering Journal, 2022, 450, 137992.	12.7	10
12	Improving the efficiency of Ru metal supported on SiO2 in liquid-phase hydrogenation of gluconic acid by adding activated carbon. Chemical Engineering Journal, 2022, 450, 138149.	12.7	9
13	Deactivation of Pd/Zeolites passive NOx adsorber induced by NO and H2O: Comparative study of Pd/ZSM-5 and Pd/SSZ-13. Catalysis Today, 2021, 360, 350-355.	4.4	21
14	Improved catalytic performance and resistance to SO2 over V2O5-WO3/TiO2 catalyst physically mixed with Fe2O3 for low-temperature NH3-SCR. Catalysis Today, 2021, 376, 95-103.	4.4	37
15	Uniform synthesis of palladium species confined in a small-pore zeolite via full ion-exchange investigated by cryogenic electron microscopy. Journal of Materials Chemistry A, 2021, 9, 19796-19806.	10.3	15
16	Control of the Cu ion species in Cu-SSZ-13 via the introduction of Co²⁺ co-cations to improve the NH₃-SCR activity. Catalysis Science and Technology, 2021, 11, 4838-4848.	4.1	11
17	Simple physical mixing of zeolite prevents sulfur deactivation of vanadia catalysts for NOx removal. Nature Communications, 2021, 12, 901.	12.8	49
18	Pt nanoparticles encapsulated in CeO2 over-layers synthesized by controlled reductive treatment to suppress CH4 formation in high-temperature water-gas shift reaction. Journal of Catalysis, 2021, 395, 246-257.	6.2	12

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19	Mobility of Cu Ions in Cu-SSZ-13 Determines the Reactivity of Selective Catalytic Reduction of NO_x with NH₃. Journal of Physical Chemistry Letters, 2021, 12, 3210-3216.	4.6	33
20	Effects of Ce/Al molar ratio in Ce-incorporated mesoporous SAPO-34 on the physicochemical property and catalytic performance in the selective production of light olefins via conversion of chloromethane. Applied Catalysis A: General, 2021, 615, 118061.	4.3	1
21	Promoting the Methane Oxidation on Pd/CeO₂ Catalyst by Increasing the Surface Oxygen Mobility via Defect Engineering. ChemCatChem, 2021, 13, 3706-3712.	3.7	8
22	Enhanced activity of vanadia supported on microporous titania for the selective catalytic reduction of NO with NH3: Effect of promoters. Chemosphere, 2021, 275, 130105.	8.2	7
23	Evaluation of Pd/ZSM-5 catalyst for simultaneous reaction of transesterification and partial catalytic transfer hydrogenation of soybean oil under supercritical methanol. Fuel Processing Technology, 2021, 218, 106870.	7.2	14
24	Methane combustion over mesoporous cobalt oxide catalysts: Effects of acid treatment. Molecular Catalysis, 2021, 511, 111728.	2.0	7
25	Synthesis of aluminum and gallium-incorporated MFI zeotypes and their catalytic activity for ethane dehydroaromatization. Microporous and Mesoporous Materials, 2021, 323, 111243.	4.4	5
26	Highly selective production of syngas (>99%) in the partial oxidation of methane at 480ÂÂ°C over Pd/CeO2 catalyst promoted by HCl. Applied Surface Science, 2021, 560, 150043.	6.1	6
27	Coaromatization of methane and propane over Ga supported on HZSM-5 catalysts: The effect of mesoporosity on deactivation behavior. Fuel, 2021, 304, 121497.	6.4	5
28	Enhanced reactivity and stability in methane dehydro-aromatization over Mo/HZSM-5 physically mixed with NiO. Applied Catalysis B: Environmental, 2021, 296, 120377.	20.2	20
29	Ag-doped manganese oxide catalyst for gasoline particulate filters: Effect of crystal phase on soot oxidation activity. Applied Surface Science, 2021, 569, 151041.	6.1	15
30	Catalytic hydrogenation of alginic acid into sugar alcohols over ruthenium supported on nitrogen-doped mesoporous carbons. Catalysis Today, 2020, 352, 66-72.	4.4	12
31	Selective catalytic reduction of NO by ammonia and NO oxidation Over CoOx/CeO2 catalysts. Molecular Catalysis, 2020, 482, 110664.	2.0	9
32	NO reduction by CO over CoOx/CeO2 catalysts: Effect of support calcination temperature on activity. Molecular Catalysis, 2020, 482, 110703.	2.0	10
33	Oxidative Methane Conversion to Ethane on Highly Oxidized Pd/CeO₂ Catalysts Below 400â€‰Â°C. ChemSusChem, 2020, 13, 677-681.	6.8	16
34	Controlling Catalytic Selectivity Mediated by Stabilization of Reactive Intermediates in Small-Pore Environments: A Study of Mn/TiO₂ in the NH₃-SCR Reaction. ACS Catalysis, 2020, 10, 12017-12030.	11.2	40
35	Kinetic and DRIFTS studies of IrRu/Al₂O₃ catalysts for lean NO_x reduction by CO at low temperature. Catalysis Science and Technology, 2020, 10, 8182-8195.	4.1	11
36	Time-resolved observation of V₂O₅/TiO₂ in NH₃-SCR reveals the equivalence of BrÃ¸nsted and Lewis acid sites. Chemical Communications, 2020, 56, 15450-15453.	4.1	22

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37	Hydrogenolysis of alginic acid over mono and bimetallic ruthenium/nickel supported on activated carbon catalysts with basic promoters. Reaction Chemistry and Engineering, 2020, 5, 1783-1790.	3.7	1
38	Effects of Co/Al molar ratio in CoAPSO-34 catalysts on the physicochemical property and catalytic performance in the chloromethane to light olefins reaction. Applied Catalysis A: General, 2020, 603, 117762.	4.3	5
39	Hydrogen production from formic acid dehydrogenation over a Pd supported on N-doped mesoporous carbon catalyst: A role of nitrogen dopant. Applied Catalysis A: General, 2020, 608, 117887.	4.3	31
40	Recent advances in catalytic co-pyrolysis of biomass and plastic waste for the production of petroleum-like hydrocarbons. Bioresource Technology, 2020, 310, 123473.	9.6	199
41	Improving NOx storage and CO oxidation abilities of Pd/SSZ-13 by increasing its hydrophobicity. Applied Catalysis B: Environmental, 2020, 277, 119190.	20.2	43
42	One-pot conversion of alginic acid into furfural using Amberlyst-15 as a solid acid catalyst in Î³-butyrolactone/water co-solvent system. Environmental Research, 2020, 187, 109667.	7.5	25
43	Hydrogen production by the steam reforming of ethanol over K-promoted Co/Al2O3â€“CaO xerogel catalysts. Molecular Catalysis, 2020, 491, 110980.	2.0	18
44	Effects of Ni loading on the physicochemical properties of NiO_x/CeO₂ catalysts and catalytic activity for NO reduction by CO. Catalysis Science and Technology, 2020, 10, 2359-2368.	4.1	20
45	Mechanistic insights on aqueous formic acid dehydrogenation over Pd/C catalyst for efficient hydrogen production. Journal of Catalysis, 2020, 389, 506-516.	6.2	48
46	Lean NO_x reduction by CO at low temperature over bimetallic IrRu/Al₂O₃ catalysts with different Irâ€‰:â€‰Ru ratios. Catalysis Science and Technology, 2020, 10, 2120-2136.	4.1	22
47	Preparation of HZSM-5 catalysts with different ratios of structure directing agents and their effects on the decomposition of exo-tetrahydrodicyclopentadiene under supercritical conditions and coke formation. Applied Surface Science, 2020, 511, 145398.	6.1	8
48	Understanding the dynamic behavior of acid sites on TiO2-supported vanadia catalysts via operando DRIFTS under SCR-relevant conditions. Journal of Catalysis, 2020, 382, 269-279.	6.2	53
49	Promotional effect of Au on Fe/HZSM-5 catalyst for methane dehydroaromatization. Fuel, 2020, 274, 117852.	6.4	16
50	NOx Reduction by CO over Ir-based Bimetallic Catalysts. Transactions of the Korean Society of Automotive Engineers, 2020, 28, 359-365.	0.3	1
51	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. Catalysis Science and Technology, 2019, 9, 163-173.	4.1	58
52	Effect of Reactant Ratios on Methane Oxychlorination Over CeO₂ Catalyst. Journal of Nanoscience and Nanotechnology, 2019, 19, 5961-5964.	0.9	0
53	Comparison of NOx Adsorption/Desorption Behaviors over Pd/CeO2 and Pd/SSZ-13 as Passive NOx Adsorbers for Cold Start Application. Emission Control Science and Technology, 2019, 5, 172-182.	1.5	28
54	Enhanced yield of benzene, toulene, and xylene from the co-aromatization of methane and propane over gallium supported on mesoporous ZSM-5 and ZSM-11. Fuel, 2019, 251, 404-412.	6.4	33

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55	Effects of Molecular and Electronic Structures in CoO_x/CeO₂ Catalysts on NO Reduction by CO. Journal of Physical Chemistry C, 2019, 123, 7166-7177.	3.1	29
56	Characteristics of Mn/H-ZSM-5 catalysts for methane dehydroaromatization. Applied Catalysis A: General, 2019, 577, 10-19.	4.3	15
57	Sulfur resistance of Ca-substituted LaCoO3 catalysts in CO oxidation. Molecular Catalysis, 2019, 468, 148-153.	2.0	21
58	Effect of Cu addition to carbon-supported Ru catalysts on hydrogenation of alginic acid into sugar alcohols. Applied Catalysis A: General, 2019, 578, 98-104.	4.3	14
59	Catalytic Cleavage of Ether Bond in a Lignin Model Compound over Carbon-Supported Noble Metal Catalysts in Supercritical Ethanol. Catalysts, 2019, 9, 158.	3.5	7
60	Oxidation of C3H8, iso-C5H12 and C3H6 under near-stoichiometric and fuel-lean conditions over aged Ptâ€“Pd/Al2O3 catalysts with different Pt:Pd ratios. Applied Catalysis B: Environmental, 2019, 251, 283-294.	20.2	29
61	Inter-particle migration of Cu ions in physically mixed Cu-SSZ-13 and H-SSZ-13 treated by hydrothermal aging. Reaction Chemistry and Engineering, 2019, 4, 1059-1066.	3.7	22
62	Propylene epoxidation by oxygen over tungsten oxide supported on ceria-zirconia. Molecular Catalysis, 2019, 467, 111-119.	2.0	5
63	Effect of the Si/Al ratio in Ga/mesoporous HZSM-5 on the production of benzene, toluene, and xylene via coaromatization of methane and propane. Catalysis Science and Technology, 2019, 9, 6285-6296.	4.1	15
64	Hydrothermal Synthesis of Titanate Nanotubes with Different Pore Structure and its Effect on the Catalytic Performance of V2O5-WO3/Titanate Nanotube Catalysts for NH3-SCR. Topics in Catalysis, 2019, 62, 214-218.	2.8	4
65	Effect of reduction treatments (H2 vs. CO) on the NO adsorption ability and the physicochemical properties of Pd/SSZ-13 passive NOx adsorber for cold start application. Applied Catalysis A: General, 2019, 569, 28-34.	4.3	61
66	Understanding the effect of Pd size on formic acid dehydrogenation via size-controlled Pd/C catalysts prepared by NaBH4 treatment. Applied Catalysis B: Environmental, 2019, 244, 684-693.	20.2	108
67	Effect of various activation conditions on the low temperature NO adsorption performance of Pd/SSZ-13 passive NOx adsorber. Catalysis Today, 2019, 320, 175-180.	4.4	81
68	Ag-(Mo-W)/ZrO2 catalysts for the production of propylene oxide: Effect of pH in the preparation of ZrO2 support. Catalysis Communications, 2018, 111, 80-83.	3.3	14
69	Influence of the Defect Concentration of Ceria on the Pt Dispersion and the CO Oxidation Activity of Pt/CeO₂. Journal of Physical Chemistry C, 2018, 122, 4972-4983.	3.1	62
70	Investigation on the enhanced catalytic activity of a Ni-promoted Pd/C catalyst for formic acid dehydrogenation: effects of preparation methods and Ni/Pd ratios. RSC Advances, 2018, 8, 2441-2448.	3.6	27
71	Effect of Si/Al 2 ratios in Mo/H-MCM-22 on methane dehydroaromatization. Applied Catalysis A: General, 2018, 552, 11-20.	4.3	31
72	Plasma assisted oxidative coupling of methane (OCM) over Ag/SiO2 and subsequent regeneration at low temperature. Applied Catalysis A: General, 2018, 557, 39-45.	4.3	16

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73	In Situ Elucidation of the Active State of Coâ€“CeO_x Catalysts in the Dry Reforming of Methane: The Important Role of the Reducible Oxide Support and Interactions with Cobalt. ACS Catalysis, 2018, 8, 3550-3560.	11.2	80
74	Low temperature NO adsorption over hydrothermally aged Pd/CeO2 for cold start application. Catalysis Today, 2018, 307, 93-101.	4.4	55
75	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. Catalysis Today, 2018, 303, 19-24.	4.4	39
76	Suppressed Strong Metalâ€“Support Interactions in Platinum on Sulfated Titania and Their Influence on the Oxidation of Carbon Monoxide. ChemCatChem, 2018, 10, 1258-1262.	3.7	11
77	Investigation of the active sites and optimum Pd/Al of Pd/ZSMâ€“5 passive NO adsorbers for the cold-start application: Evidence of isolated-Pd species obtained after a high-temperature thermal treatment. Applied Catalysis B: Environmental, 2018, 226, 71-82.	20.2	89
78	Rotation-Assisted Hydrothermal Synthesis of Thermally Stable Multiwalled Titanate Nanotubes and Their Application to Selective Catalytic Reduction of NO with NH₃. ACS Applied Materials & Interfaces, 2018, 10, 42249-42257.	8.0	14
79	Oxychlorination of methane over FeOx/CeO2 catalysts. Korean Journal of Chemical Engineering, 2018, 35, 2185-2190.	2.7	10
80	Direct methanol synthesis from methane in a plasma-catalyst hybrid system at low temperature using metal oxide-coated glass beads. Scientific Reports, 2018, 8, 9956.	3.3	13
81	Chemisorption of NH₃ on Monomeric Vanadium Oxide Supported on Anatase TiO₂: A Combined DRIFT and DFT Study. Journal of Physical Chemistry C, 2018, 122, 16674-16682.	3.1	36
82	Synthesis of faulted CHA-type zeolites with controllable faulting probability. Microporous and Mesoporous Materials, 2018, 256, 266-274.	4.4	8
83	Effect of Soot on N2O Formation Over Pt Based Diesel Oxidation Catalyst Supported on Microporous TiO2. Topics in Catalysis, 2017, 60, 361-366.	2.8	2
84	Effect of niobium oxide phase on the furfuryl alcohol dehydration. Catalysis Communications, 2017, 97, 65-69.	3.3	42
85	Activation of Pd/SSZ-13 catalyst by hydrothermal aging treatment in passive NO adsorption performance at low temperature for cold start application. Applied Catalysis B: Environmental, 2017, 212, 140-149.	20.2	127
86	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. Applied Catalysis B: Environmental, 2017, 210, 421-431.	20.2	78
87	Depolymerization of Protobind lignin to produce monoaromatic compounds over Cu/ZSM-5 catalyst in supercritical ethanol. Molecular Catalysis, 2017, 442, 140-146.	2.0	26
88	Catalytic Hydrogenation of Macroalgaeâ€Derived Alginic Acid into Sugar Alcohols. ChemSusChem, 2017, 10, 4891-4898.	6.8	9
89	BTX production by coaromatization of methane and propane over gallium oxide supported on mesoporous HZSM-5. Molecular Catalysis, 2017, 439, 134-142.	2.0	21
90	Effect of sulfur aging and regeneration on low temperature NO adsorption over hydrothermally treated Pd/CeO 2 and Pd/Ce 0.58 Zr 0.42 O 2 catalysts. Catalysis Today, 2017, 297, 53-59.	4.4	35

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91	Facile Synthesis of KFI-type Zeolite and Its Application to Selective Catalytic Reduction of NO_x with NH₃. ACS Catalysis, 2017, 7, 6070-6081.	11.2	83
92	Decomposition of Lignin Using MOâ€“MgAlOy Mixed Oxide Catalysts (M=Co, Ni and Cu) in Supercritical Ethanol. Topics in Catalysis, 2017, 60, 637-643.	2.8	2
93	Hydrothermal Conversion of Alginate into Uronic Acids over a Sulfonated Glucoseâ€Derived Carbon Catalyst. ChemCatChem, 2017, 9, 329-337.	3.7	9
94	Ordered mesoporous MCo2O4 (M = Cu, Zn and Ni) spinel catalysts with high catalytic performance for methane combustion. Journal of Molecular Catalysis A, 2017, 426, 68-74.	4.8	44
95	Synthesis of terraced and spherical MgO nanoparticles using flame metal combustion. Powder Technology, 2017, 305, 132-140.	4.2	20
96	Benzene, Toluene, and Xylene Production by Direct Dehydroaromatization of Methane Over WOy/HZSM-5 Catalysts. Journal of Nanoscience and Nanotechnology, 2017, 17, 8226-8231.	0.9	2
97	Lignin Depolymerization Over CuOâ€“MgOâ€“Al₂O₃ Mixed Oxide Catalysts in Supercritical Ethanol: Effect of Catalyst Preparation Methods. Nanoscience and Nanotechnology Letters, 2017, 9, 161-164.	0.4	1
98	Direct catalytic conversion of brown seaweed-derived alginic acid to furfural using 12-tungstophosphoric acid catalyst in tetrahydrofuran/water co-solvent. Energy Conversion and Management, 2016, 118, 135-141.	9.2	24
99	Catalytic Conversion of Macroalgae-derived Alginate to Useful Chemicals. Catalysis Surveys From Asia, 2016, 20, 195-209.	2.6	9
100	Synthesis of Dimethyl Carbonate from Propylene Carbonate and Methanol Over Y₂O₃/CeO₂â€“La₂O<SUB>3&l Catalysts. Journal of Nanoscience and Nanotechnology, 2016, 16, 10810-10815.		
101	Production of furfural from macroalgae-derived alginic acid over Amberlyst-15. Journal of Molecular Catalysis A, 2016, 423, 264-269.	4.8	22
102	Hydrogen production by steam reforming of ethanol over Ni-Sr-Al 2 O 3 -ZrO 2 aerogel catalyst. Journal of Molecular Catalysis A, 2016, 424, 342-350.	4.8	16
103	How Pt Interacts with CeO₂ under the Reducing and Oxidizing Environments at Elevated Temperature: The Origin of Improved Thermal Stability of Pt/CeO₂ Compared to CeO₂. Journal of Physical Chemistry C, 2016, 120, 25870-25879.	3.1	185
104	Sulfation and Desulfation Behavior of Ptâ€“BaO/MgOâ€“Al₂O₃ NOx Storage Reduction Catalyst. Journal of Nanoscience and Nanotechnology, 2016, 16, 4411-4416.	0.9	1
105	Characteristics of Manganese Supported on Hydrous Titanium Oxide Catalysts for the Selective Catalytic Reduction of NOx with Ammonia. Topics in Catalysis, 2016, 59, 1008-1012.	2.8	12
106	Roles of Promoters in V₂O₅/TiO₂ Catalysts for Selective Catalytic Reduction of NOx with NH₃: Effect of Order of Impregnation. Journal of Nanoscience and Nanotechnology, 2016, 16, 4350-4356.	0.9	14
107	CeO2-TiO2 catalyst prepared by physical mixing for NH3 selective catalytic reduction: Evidence about the migration of sulfates from TiO2 to CeO2 via simple calcination. Korean Journal of Chemical Engineering, 2016, 33, 2547-2554.	2.7	14
108	Hydrothermal conversion of alginic acid to furfural catalyzed by Cu(II) ion. Catalysis Today, 2016, 265, 154-162.	4.4	18

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109	Catalytic Copyrolysis of Cellulose and Thermoplastics over HZSM-5 and HY. ACS Sustainable Chemistry and Engineering, 2016, 4, 1354-1363.	6.7	113
110	Hydrogen production by steam reforming of ethanol over Niâ€“X/Al 2 O 3 â€“ZrO 2 (X = Mg, Ca, Sr, and Ba) xerogel catalysts: Effect of alkaline earth metal addition. Journal of Molecular Catalysis A, 2016, 415, 151-159.	4.8	35
111	Hydrothermal conversion of macroalgae-derived alginate to lactic acid catalyzed by metal oxides. Catalysis Science and Technology, 2016, 6, 1146-1156.	4.1	23
112	Suppressed N2O formation during NH3 selective catalytic reduction using vanadium on zeolitic microporous TiO2. Scientific Reports, 2015, 5, 12702.	3.3	24
113	Complementary effect of plasmaâ€“catalysis hybrid system on methane complete oxidation over non-PGM catalysts. Catalysis Communications, 2015, 69, 223-227.	3.3	7
114	2â€Butanol Dehydration over Highly Dispersed Molybdenum Oxide/<scp>MCM</scp>â€41 Catalysts. Bulletin of the Korean Chemical Society, 2015, 36, 1974-1979.	1.9	0
115	Promotional Effect on Selective Catalytic Reduction of NO_xwith NH₃over Overloaded W and Ce on V₂O₅/TiO₂Catalysts. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	8
116	Catalytic hydrodeoxygenation of 2-methoxy phenol and dibenzofuran over Pt/mesoporous zeolites. Energy, 2015, 81, 33-40.	8.8	83
117	Catalytic hydrothermal conversion of macroalgae-derived alginate: effect of pH on production of furfural and valuable organic acids under subcritical water conditions. Journal of Molecular Catalysis A, 2015, 399, 106-113.	4.8	31
118	Effect of Co/Ni ratios in cobalt nickel mixed oxide catalysts on methane combustion. Applied Catalysis A: General, 2015, 505, 62-69.	4.3	89
119	Roles of ZrO2 in SO2-poisoned Pd/(Ce-Zr)O2 catalysts for CO oxidation. Catalysis Today, 2015, 258, 518-524.	4.4	28
120	Effect of surfactant, HCl and NH3 treatments on the regeneration of waste activated carbon used in selective catalytic reduction unit. Journal of Industrial and Engineering Chemistry, 2015, 32, 109-112.	5.8	20
121	Synergistic effect of non-thermal plasmaâ€“catalysis hybrid system on methane complete oxidation over Pd-based catalysts. Chemical Engineering Journal, 2015, 259, 761-770.	12.7	72
122	Removal of NOx at Low Temperature Over Mesoporous Î±-Mn₂O₃ Catalyst. Journal of Nanoscience and Nanotechnology, 2014, 14, 2527-2531.	0.9	9
123	Effect of Mg/Al ratios on the NOx storage activity over Pt-BaO/Mgâ€“Al mixed oxides. Catalysis Today, 2014, 231, 155-163.	4.4	14
124	Effect of oxidation states of vanadium precursor solution in V2O5/TiO2 catalysts for low temperature NH3 selective catalytic reduction. Catalysis Today, 2014, 232, 185-191.	4.4	55
125	Sulfation and Desulfation Mechanisms on Ptâ€“BaO/Al2O3 NOx Storage-Reduction (NSR) Catalysts. Catalysis Surveys From Asia, 2014, 18, 13-23.	2.6	5
126	Effect of H₂O on the Morphological Changes of KNO₃ Formed on K₂O/Al₂O₃ NO_x Storage Materials: Fourier Transform Infrared and Time-Resolved X-ray Diffraction Studies. Journal of Physical Chemistry C, 2014, 118, 4189-4197.	3.1	14

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127	Effects of potassium loading and thermal aging on K/Pt/Al2O3 high-temperature lean NOx trap catalysts. Catalysis Today, 2014, 231, 164-172.	4.4	21
128	Catalytic Characteristics of Titanium Oxide/MCM-41 Synthesized by Liquid Phase Atomic Layer Deposition. Journal of Nanoscience and Nanotechnology, 2013, 13, 1988-1992.	0.9	3
129	Butanol Dehydration over V2O5-TiO2/MCM-41 Catalysts Prepared via Liquid Phase Atomic Layer Deposition. Materials, 2013, 6, 1718-1729.	2.9	13
130	Effect of sulfur loading on the desulfation chemistry of a commercial lean NOx trap catalyst. Catalysis Today, 2012, 197, 3-8.	4.4	11
131	Preparation of Highly Dispersed Tungsten Oxide on MCM-41 via Atomic Layer Deposition and Its Application to Butanol Dehydration. Journal of Nanoscience and Nanotechnology, 2012, 12, 6074-6079.	0.9	7
132	Enhanced High Temperature Performance of MgAl2O4-Supported Ptâ€“BaO Lean NOx Trap Catalysts. Topics in Catalysis, 2012, 55, 70-77.	2.8	12
133	Synthesis of butenes through 2-butanol dehydration over mesoporous materials produced from ferrierite. Catalysis Today, 2012, 185, 191-197.	4.4	25
134	Thermal durability of Cu-CHA NH3-SCR catalysts for diesel NO reduction. Catalysis Today, 2012, 184, 252-261.	4.4	245
135	Possible origin of improved high temperature performance of hydrothermally aged Cu/beta zeolite catalysts. Catalysis Today, 2012, 184, 245-251.	4.4	35
136	Deactivation mechanisms of Pt/Pd-based diesel oxidation catalysts. Catalysis Today, 2012, 184, 197-204.	4.4	86
137	Characteristics of Ptâ€“K/MgAl2O4 lean NOx trap catalysts. Catalysis Today, 2012, 184, 2-7.	4.4	27
138	Effects of La₂O₃ on the Mixed Higher Alcohols Synthesis from Syngas over Co Catalysts: A Combined Theoretical and Experimental Study. Journal of Physical Chemistry C, 2011, 115, 17440-17451.	3.1	119
139	Utilization of a By-Product Produced from Oxidative Desulfurization Process Over Cs-Mesoporous Silica Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 1706-1709.	0.9	4
140	Effect of reductive treatments on Pt behavior and NOx storage in lean NOx trap catalysts. Catalysis Today, 2011, 175, 78-82.	4.4	4
141	Octene hydroformylation by using rhodium complexes tethered onto selectively functionalized mesoporous silica and in situ high pressure IR study. Catalysis Today, 2011, 164, 561-565.	4.4	7
142	Water-induced formation of cobalt oxides over supported cobalt/ceriaâ€“zirconia catalysts under ethanol-steam conditions. Journal of Catalysis, 2010, 273, 229-235.	6.2	77
143	Excellent activity and selectivity of Cu-SSZ-13 in the selective catalytic reduction of NOx with NH3. Journal of Catalysis, 2010, 275, 187-190.	6.2	674
144	The different impacts of SO2 and SO3 on Cu/zeolite SCR catalysts. Catalysis Today, 2010, 151, 266-270.	4.4	96

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145	Coordinatively Unsaturated Al ³⁺ Centers as Binding Sites for Active Catalyst Phases of Platinum on Î³-Al ₂ O ₃. Science, 2009, 325, 1670-1673.	12.6	790
146	Understanding the nature of surface nitrates in BaO/Î³-Al2O3 NOx storage materials: A combined experimental and theoretical study. Journal of Catalysis, 2009, 261, 17-22.	6.2	79
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