Piyasan Praserthdam

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1447203/publications.pdf

Version: 2024-02-01

378 papers	7,914 citations	76031 42 h-index	120465 65 g-index
382 all docs	382 docs citations	382 times ranked	9765 citing authors

#	Article	IF	Citations
1	Effect of nonmetals (B, O, P, and S) doped with porous g-C3N4 for improved electron transfer towards photocatalytic CO2 reduction with water into CH4. Chemosphere, 2022, 286, 131765.	4.2	74
2	Growing 3D-nanostructured carbon allotropes from CO2 at room temperature under the dynamic CO2 electrochemical reduction environment. Carbon, 2022, 187, 241-255.	5.4	10
3	Enhanced stability of Ti-containing silica catalysts for biodiesel epoxidation with hydrogen peroxide: Presence of strong metalâ€“support interactions for alleviating permanent deactivation. Fuel, 2022, 314, 122736.	3.4	5
4	Optimal Conditions for Butanol Production from Ethanol over MgAlO Catalyst Derived from Mg-Al Layer Double Hydroxides. Journal of Oleo Science, 2022, 71, 141-149.	0.6	5
5	Single-step fabrication of highly stable amorphous TiO2 nanotubes arrays (am-TNTA) for stimulating gas-phase photoreduction of CO2 to methane. Chemosphere, 2022, 289, 133170.	4.2	18
6	The effect of Zn doping on active Cu species and its location of Cu-exchanged mordenite for the stepwise oxidation of methane to methanol. Korean Journal of Chemical Engineering, 2022, 39, 920-927.	1.2	4
7	Simple, controllable and environmentally friendly synthesis of FeCoNiCuZn-based high-entropy alloy (HEA) catalysts, and their surface dynamics during nitrobenzene hydrogenation. Electrochimica Acta, 2022, 410, 139972.	2.6	11
8	Experimental and DFT investigations of the performance of ZrO2 catalysts modified with Ce, La, Y, Mg, and Ba oxides during methyl stearate ketonization. Applied Surface Science, 2022, 585, 152627.	3.1	5
9	Formation and growth characteristics of nanostructured carbon films on nascent Ag clusters during room-temperature electrochemical CO₂ reduction. Nanoscale Advances, 2022, 4, 2255-2267.	2.2	6
10	On a high photocatalytic activity of high-noble alloys Auâ€“Ag/TiO2 catalysts during oxygen evolution reaction of water oxidation. Scientific Reports, 2022, 12, 2604.	1.6	15
11	Liquid-Phase Selective Hydrogenation of Furfural to Furfuryl Alcohol over Ferromagnetic Element (Fe, Co, Ni, Nd)-Promoted Pt Catalysts Supported on Activated Carbon. Catalysts, 2022, 12, 393.	1.6	1
12	Role of Cr on Cu-Cr catalyst via direct ethanol dehydrogenation to ethyl acetate. Journal of Environmental Chemical Engineering, 2022, 10, 107542.	3.3	8
13	A key role of soft and refractory coke in the deactivation of Î³â€“Al2O3 catalysts during low-temperature methyl oleate epoxidation: An experiment and DFT study. Fuel, 2022, 321, 124064.	3.4	2
14	A review on sensitivity of operating parameters on biogas catalysts for selective oxidation of Hydrogen Sulfide to elemental sulfur. Chemosphere, 2022, 301, 134579.	4.2	7
15	Synthesis of novel graphene aerogel encapsulated bismuth oxyiodide composite towards effective removal of methyl orange azo-dye under visible light. Chemosphere, 2022, 303, 135121.	4.2	14
16	Photooxidation and Virus Inactivation using TiO2(P25)â€“SiO2 Coated PET Film. Bulletin of Chemical Reaction Engineering and Catalysis, 2022, 17, 508-519.	0.5	2
17	Differences in Deterioration Behaviors of Cu/ZnO/Al₂O₃ Catalysts with Different Cu Contents toward Hydrogenation of CO and CO₂. ACS Omega, 2022, 7, 25783-25797.	1.6	6
18	Experimental and DFT investigations on enhanced stability found on Re-, Rh-, and Nb-promoted Pt/WOx/Î³-Al2O3 catalyst during aqueous-phase glycerol hydrogenolysis. Fuel, 2022, 326, 125019.	3.4	6

#	Article	IF	Citations
19	Thermally double coupled reactor coupling aqueous phase glycerol reforming and methanol synthesis. Catalysis Today, 2021, 375, 181-190.	2.2	10
20	CO2 hydrogenation over FSP-made iron supported on cerium modified alumina catalyst. Catalysis Today, 2021, 375, 307-313.	2.2	6
21	The key to catalytic stability on solâ€“gel derived SnOx/SiO2 catalyst and the comparative study of side reaction with K-PtSn/Al2O3 toward propane dehydrogenation. Catalysis Today, 2021, 375, 343-351.	2.2	18
22	Design of hybrid pellet catalysts of WO3/Si-Al and PtIn/hydrotalcite via dehydrogenation and metathesis reactions for production of olefins from propane. Chemical Engineering Science, 2021, 229, 116025.	1.9	6
23	A closer look inside TiO2 (P25) photocatalytic CO2/HCO3â^' reduction with water. Methane rate and selectivity enhancements. Chemical Engineering Journal, 2021, 409, 128141.	6.6	17
24	Carbon dioxide reduction to synthetic fuel on zirconia supported copper-based catalysts and gibbs free energy minimization: Methanol and dimethyl ether synthesis. Journal of Environmental Chemical Engineering, 2021, 9, 104979.	3.3	9
25	Deactivating and Non-Deactivating Coking Found on Ni-Based Catalysts during Combined Steam-Dry Reforming of Methane. Topics in Catalysis, 2021, 64, 357-370.	1.3	8
26	Identification of extremely hard coke generation by low-temperature reaction on tungsten catalysts via Operando and in situ techniques. Scientific Reports, 2021, 11, 8071.	1.6	3
27	Comparative incorporation of Sn and In in Mg(Al)O for the enhanced stability of Pt/MgAl(X)O catalysts in propane dehydrogenation. Applied Catalysis A: General, 2021, 615, 118053.	2.2	14
28	Effects of TiO2 structure and Co addition as a second metal on Ru-based catalysts supported on TiO2 for selective hydrogenation of furfural to FA. Scientific Reports, 2021, 11, 9786.	1.6	25
29	Observation of reduction on alkane products in butene cracking over ZSM-5 modified with Fe, Cu, and Ni catalysts. Fuel, 2021, 291, 120265.	3.4	13
30	Effect of the Nanostructured Zn/Cu Electrocatalyst Morphology on the Electrochemical Reduction of CO2 to Value-Added Chemicals. Nanomaterials, 2021, 11, 1671.	1.9	6
31	Study of deactivation in mesocellular foam carbon (MCF-C) catalyst used in gas-phase dehydrogenation of ethanol. Scientific Reports, 2021, 11, 11683.	1.6	5
32	On the deactivation mechanisms of MnO2 electrocatalyst during operation in rechargeable zinc-air batteries studied via density functional theory. Journal of Alloys and Compounds, 2021, 869, 159280.	2.8	17
33	Comparative study on the effect of different copper loading on catalytic behaviors and activity of Cu/ZnO/Al2O3 catalysts toward CO and CO2 hydrogenation. Heliyon, 2021, 7, e07682.	1.4	13
34	Development of a New Ternary Al₂O₃â€“HAPâ€“Pd Catalyst for Diethyl Ether and Ethylene Production Using the Preferential Dehydration of Ethanol. ACS Omega, 2021, 6, 19911-19923.	1.6	11
35	Sequential electrodeposition of Cuâ€“Pt bimetallic nanocatalysts on boron-doped diamond electrodes for the simple and rapid detection of methanol. Scientific Reports, 2021, 11, 14354.	1.6	5
36	Recent developments on bismuth oxyhalides (BiOX; X = Cl, Br, I) based ternary nanocomposite photocatalysts for environmental applications. Chemosphere, 2021, 282, 131054.	4.2	87

#	Article	IF	Citations
37	Elucidation of Pd modification effect on catalytic behaviors of Î³-Al2O3-P catalysts toward ethanol dehydration and dehydrogenation. Catalysis Communications, 2021, 148, 106169.	1.6	16
38	Experimental and computational investigation on underlying factors promoting high coke resistance in NiCo bimetallic catalysts during dry reforming of methane. Scientific Reports, 2021, 11, 519.	1.6	14
39	Experimental and computational study on roles of WOx promoting strong metal support promoter interaction in Pt catalysts during glycerol hydrogenolysis. Scientific Reports, 2021, 11, 530.	1.6	8
40	Determining the role of oxygen vacancies in palmitone selectivity and coke formation over acid metal oxide catalysts for the ketonization of methyl palmitate. Applied Catalysis A: General, 2021, 628, 118405.	2.2	7
41	Investigation of sulfonated solid acid catalysts derived from oil palm kernel shell, corncob, and diatomaceous earth for esterification of ethanol and propanoic acid, characterisation and their performance. Bioresource Technology Reports, 2021, 16, 100855.	1.5	2
42	Porous Electrodeposited Cu as a Potential Electrode for Electrochemical Reduction Reactions of CO2. Applied Sciences (Switzerland), 2021, 11, 11104.	1.3	5
43	Hydrogen activated WOx-supported catalysts for Lewis acid transformation to Bronsted acid observed by in situ DRIFTS of adsorbed ammonia: Effect of different supports on the Lewis acid transformation. Catalysis Today, 2020, 358, 370-386.	2.2	12
44	Effect of preparation method on the Pt-In modified Mg(Al)O catalysts over dehydrogenation of propane. Catalysis Today, 2020, 358, 100-108.	2.2	17
45	Influence of acidity on the performance of silica supported tungsten oxide catalysts assessed by in situ and Operando DRIFTS. Catalysis Today, 2020, 358, 345-353.	2.2	5
46	Deposition of Pt nanoparticles on TiO2 by pulsed direct current magnetron sputtering for selective hydrogenation of vanillin to vanillyl alcohol. Catalysis Today, 2020, 358, 51-59.	2.2	11
47	Highly active and stable Ni-incorporated spherical silica catalysts for CO2methanation. Catalysis Today, 2020, 358, 30-36.	2.2	11
48	Preparation of aluminum magnesium oxide by different methods for use as PtSn catalyst supports in propane dehydrogenation. Catalysis Today, 2020, 358, 90-99.	2.2	10
49	Lewis acid transformation to Bronsted acid sites over supported tungsten oxide catalysts containing different surface WOx structures. Catalysis Today, 2020, 358, 354-369.	2.2	20
50	Inhibition effect of Na+ form in ZSM-5 zeolite on hydrogen transfer reaction via 1-butene cracking. Catalysis Today, 2020, 358, 237-245.	2.2	27
51	Effect of different phase composition in titania on catalytic behaviors of AgLi/TiO2 catalysts via ethanol dehydrogenation. Journal of Environmental Chemical Engineering, 2020, 8, 103547.	3.3	10
52	Differences in acid and catalytic properties of W incorporated spherical SiO2 and 1%Al-doped SiO2 in propene metathesis. Catalysis Today, 2020, , .	2.2	2
53	Influence of surface Sn species and hydrogen interactions on the OH group formation over spherical silica-supported tin oxide catalysts. Reaction Chemistry and Engineering, 2020, 5, 1814-1823.	1.9	4
54	Role of Al in Na-ZSM-5 zeolite structure on catalyst stability in butene cracking reaction. Scientific Reports, 2020, 10, 13643.	1.6	20

#	Article	IF	Citations
55	Intrinsic kinetic study of 1-butene isomerization over magnesium oxide catalyst via a Berty stationary catalyst basket reactor. RSC Advances, 2020, 10, 36667-36677.	1.7	5
56	Performance controlled via surface oxygen-vacancy in Ti-based oxide catalyst during methyl oleate epoxidation. Scientific Reports, 2020, 10, 18952.	1.6	27
57	Active Site Formation in WO_x Supported on Spherical Silica Catalysts for Lewis Acid Transformation to BrÃ¸nsted Acid Activity. Journal of Physical Chemistry C, 2020, 124, 15935-15943.	1.5	10
58	Acidic nanomaterials (TiO₂, ZrO₂, and Al₂O₃) are coke storage components that reduce the deactivation of the Ptâ€“Sn/Î³-Al₂O₃ catalyst in propane dehydrogenation. Catalysis Science and Technology, 2020, 10, 5100-5112.	2.1	13
59	Synthesis, characteristics and application of mesocellular foam carbon (MCF-C) as catalyst for dehydrogenation of ethanol to acetaldehyde. Journal of Environmental Chemical Engineering, 2020, 8, 103752.	3.3	20
60	Tuning of catalytic behaviors in ethanol dehydration with oxygen cofeeding over Pd-HBZ catalyst for ethylene production at low temperature. Catalysis Communications, 2020, 137, 105941.	1.6	10
61	Catalyst pellet design of WO3/Si-Al and hydrotalcite binder for propylene self-metathesis. Catalysis Today, 2020, 358, 74-89.	2.2	2
62	Oxidative dehydrogenation of ethanol over Cu/Mg-Al catalyst derived from hydrotalcite: effect of ethanol concentration and reduction conditions. Journal of Zhejiang University: Science A, 2020, 21, 218-228.	1.3	4
63	Facile Investigation of Ti3+ State in Ti-based Ziegler-Natta Catalyst with A Combination of Cocatalysts Using Electron Spin Resonance (ESR). Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 55-65.	0.5	8
64	Modification of acid on beta zeolite catalysts by ion-exchange method for ethanol dehydration to diethyl ether. Mediterranean Journal of Chemistry, 2020, 10, 697.	0.3	0
65	Decarbonylation of Furfural to Furan over Titania-supported Palladium Nanoparticles Prepared by a Photo-assisted Deposition Method. Journal of the Japan Petroleum Institute, 2020, 63, 204-212.	0.4	1
66	Production of Acetaldehyde via Oxidative Dehydrogenation of Ethanol over AgLi/SiO2 Catalysts. Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 714-725.	0.5	2
67	Synthesis of Cu/TiO2 catalysts by reactive magnetron sputtering deposition and its application for photocatalytic reduction of CO2 and H2O to CH4. Ceramics International, 2019, 45, 22961-22971.	2.3	31
68	Formation of isolated tungstate sites on hierarchical structured SiO2- and HY zeolite-supported WOx catalysts for propene metathesis. Journal of Catalysis, 2019, 376, 150-160.	3.1	19
69	Oxidative Dehydrogenation of Ethanol over Vanadium- and Molybdenum-modified Mg-Al Mixed Oxide Derived from Hydrotalcite. Journal of Oleo Science, 2019, 68, 679-687.	0.6	6
70	Dehydrogenation of Ethanol to Acetaldehyde over Different Metals Supported on Carbon Catalysts. Catalysts, 2019, 9, 66.	1.6	45
71	Photocatalytic Liquid-Phase Selective Hydrogenation of 3-Nitrostyrene to 3-vinylaniline of Various Treated-TiO2 Without Use of Reducing Gas. Catalysts, 2019, 9, 329.	1.6	9
72	Surface evolution of native silicon oxide layer and its effects on the growth of self-assisted VLS GaAs nanowires. AIP Advances, 2019, 9, 025318.	0.6	1

#	Article	IF	Citations
73	Catalytic Cracking of Biodiesel Waste Using Metal Supported SBA-15 Mesoporous Catalysts. Catalysts, 2019, 9, 291.	1.6	4
74	Effect of Calcination Temperature on Mg-Al Layered Double Hydroxides (LDH) as Promising Catalysts in Oxidative Dehydrogenation of Ethanol to Acetaldehyde. Journal of Oleo Science, 2019, 68, 95-102.	0.6	21
75	Ethanol Dehydrogenation to Acetaldehyde over Activated Carbons-Derived from Coffee Residue. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 268.	0.5	9
76	Observation of Increased Dispersion of Pt and Mobility of Oxygen in Pt/g-Al2O3 Catalyst with La Modification in CO Oxidation. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 579-585.	0.5	0
77	Photocatalytic activity of Nitrogen and Silica doping on TiO 2 nanocatalyst and grafted onto PMMA film. Materials Chemistry and Physics, 2018, 211, 420-427.	2.0	9
78	Visible light active photocatalytic C-doped titanium dioxide films deposited via reactive pulsed DC magnetron co-sputtering: Properties and photocatalytic activity. Vacuum, 2018, 149, 214-224.	1.6	42
79	The low temperature selective oxidation of H2S to elemental sulfur on TiO2 supported V2O5 catalysts. Journal of Environmental Chemical Engineering, 2018, 6, 1414-1423.	3.3	38
80	Effect of pretreatment atmosphere of WO_x/SiO₂catalysts on metathesis of ethylene and 2-butene to propylene. RSC Advances, 2018, 8, 11693-11704.	1.7	23
81	Influence of Hydrogen on Catalytic Properties of Zieglerâ€Natta Catalysts Prepared by Different Methods in Ethylene Polymerization. Advances in Polymer Technology, 2018, 37, 1035-1040.	0.8	5
82	Hydrogen effects in TiCl4/MgCl2/THF catalysts with second Lewis acid addition on ethylene polymerization behaviors. Polymer Bulletin, 2018, 75, 3211-3226.	1.7	0
83	Second metals (Lanthanum, Cerium, and Yttrium) modified W/SiO 2 catalysts for metathesis of ethylene and 2-butene. Catalysis Today, 2018, 309, 43-50.	2.2	1
84	Synthesis and Characteristics of CaO/MgO Mixed Oxides for the Double Bond Isomerization of 1-Butene. Journal of Nanoscience and Nanotechnology, 2018, 18, 439-444.	0.9	2
85	Oxidative and non-oxidative dehydrogenation of ethanol to acetaldehyde over different VOx/SBA-15 catalysts. Journal of Environmental Chemical Engineering, 2018, 6, 6516-6529.	3.3	24
86	Effect of Surface Modifications of SBA-15 with Aminosilanes and 12-Tungstophosphoric Acid on Catalytic Properties in Environmentally Friendly Esterification of Glycerol with Oleic Acid to Produce Monoolein. Catalysts, 2018, 8, 360.	1.6	13
87	Effect of transition metal dopants (M= Nb, La, Zr, and Y) on the M-TiO2 supported V2O5 catalysts in the selective oxidation of H2S to elemental sulfur. Journal of Environmental Chemical Engineering, 2018, 6, 5655-5661.	3.3	26
88	Binding TiO₂ nanoparticles to forward osmosis membranes via MEMOâ€“PMMAâ€“Br monomer chains for enhanced filtration and antifouling performance. RSC Advances, 2018, 8, 19024-19033.	1.7	16
89	Comparative Study of Lewis Acid Transformation on Non-reducible and Reducible Oxides Under Hydrogen Atmosphere by In Situ DRIFTS of Adsorbed NH3. Topics in Catalysis, 2018, 61, 1641-1652.	1.3	10
90	Effect of Surface Tungstate W5+ Species on the Metathesis Activity of W-Doped Spherical Silica Catalysts. Topics in Catalysis, 2018, 61, 1615-1623.	1.3	10

#	Article	IF	Citations
91	Effects of calcination and pretreatment temperatures on the catalytic activity and stability of H₂-treated WO₃/SiO₂ catalysts in metathesis of ethylene and 2-butene. RSC Advances, 2018, 8, 28555-28568.	1.7	13
92	The H2-Treated TiO2 Supported Pt Catalysts Prepared by Strong Electrostatic Adsorption for Liquid-Phase Selective Hydrogenation. Catalysts, 2018, 8, 87.	1.6	10
93	Enhanced Stability and Propene Yield in Propane Dehydrogenation on PtIn/Mg(Al)O Catalysts with Various In Loadings. Topics in Catalysis, 2018, 61, 1624-1632.	1.3	19
94	Impact of AlCl3 and FeCl2 Addition on Catalytic Behaviors of TiCl4/MgCl2/THF Catalysts for Ethylene Polymerization and Ethylene/1-Hexene Copolymerization. Bulletin of Chemical Reaction Engineering and Catalysis, 2018, 13, 393.	0.5	4
95	Reduction of carbon dioxide via catalytic hydrogenation over copper-based catalysts modified by oyster shell-derived calcium oxide. Journal of Environmental Chemical Engineering, 2017, 5, 3115-3121.	3.3	16
96	Effect of substrate temperature on self-assisted GaAs nanowires grown by Molecular Beam Epitaxy on GaAs (111)B substrates without SiO2 layer. Journal of Crystal Growth, 2017, 477, 217-220.	0.7	0
97	Effect of Surfactant Addition During Polymerization on Properties of PEDOT:PSS for Electronic Applications. Journal of Electronic Materials, 2017, 46, 6709-6716.	1.0	5
98	In situ-DRIFTS study: influence of surface acidity of rhenium-based catalysts in the metathesis of various olefins for propylene production. RSC Advances, 2017, 7, 38659-38665.	1.7	13
99	Pulsed DC magnetron sputtering deposition of crystalline photocatalytic titania coatings at elevated process pressures. Materials Science in Semiconductor Processing, 2017, 71, 188-196.	1.9	15
100	One-step synthesis of amine-functionalized TiO2 surface for photocatalytic decolorization under visible light irradiation. Journal of Industrial and Engineering Chemistry, 2017, 45, 229-236.	2.9	37
101	Deposition of Visible Light-Active C-Doped Titania Films via Magnetron Sputtering Using CO2 as a Source of Carbon. Nanomaterials, 2017, 7, 113.	1.9	27
102	Diethyl Ether Production during Catalytic Dehydration of Ethanol over Ru- and Pt- modified H-beta Zeolite Catalysts. Journal of Oleo Science, 2017, 66, 199-207.	0.6	32
103	A Comparative Study of AlCl₃and FeCl₂-Modified TiCl₄/MgCl₂/THF Catalytic System in the Presence of Hydrogen for Ethylene Polymerization. International Journal of Polymer Science, 2016, 2016, 1-9.	1.2	1
104	Influence of diaminobenzoylâ€functionalized multiwalled carbon nanotubes on the nonisothermal curing kinetics, dynamic mechanical properties, and thermal conductivity of epoxyâ€“anhydride composites. Journal of Applied Polymer Science, 2016, 133, .	1.3	4
105	Methanol conversion to dimethyl ether over beta zeolites derived from bagasse fly ash. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3081-3088.	1.2	8
106	Synthesis of TiO 2 -grafted onto PMMA film via ATRP: Using monomer as a coupling agent and reusability in photocatalytic application. Materials Research Bulletin, 2016, 83, 640-648.	2.7	11
107	Comparison of physically mixed and separated MgO and WO3/SiO2 catalyst for propylene production via 1-butene metathesis. Korean Journal of Chemical Engineering, 2016, 33, 2842-2848.	1.2	3
108	Synthesis of polyethylene/coir dust hybrid filler via in situ polymerization with zirconocene/MAO catalyst for use in natural rubber biocomposites. Iranian Polymer Journal (English Edition), 2016, 25, 841-848.	1.3	7

#	Article	IF	Citations
109	Effects of size and shape of dispersed poly(butylene terephthalate) on isothermal crystallization kinetics and morphology of poly(lactic acid) blends. Polymer Engineering and Science, 2016, 56, 258-268.	1.5	20
110	Enhanced metathesis activity of low loading Re2O7/Al2O3 catalysts for propylene production by using aluminum nitrate as Al2O3 precursor. Applied Catalysis A: General, 2016, 517, 39-46.	2.2	15
111	Ethylene and mixed 2-butene cis/trans isomers metathesis: Influence of lanthanum as a second metal on the WO3/SiO2 catalysts. Korean Journal of Chemical Engineering, 2016, 33, 140-146.	1.2	1
112	Tuning Pt dispersion and oxygen mobility of Pt/Î³-Al2O3 by Si addition for CO oxidation. Reaction Kinetics, Mechanisms and Catalysis, 2016, 117, 565-581.	0.8	5
113	Effect of N₂ pretreatment on the basicity, structural change, and isomerization activity of MgO and MgO/Mg(OH)₂ catalysts. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 248-258.	0.8	4
114	A Comparative Study of Solvothermal and Sol-Gel-Derived Nanocrystalline Alumina Catalysts for Ethanol Dehydration. Journal of Nanomaterials, 2015, 2015, 1-11.	1.5	24
115	Modification of Green Calcium Oxide and Characteristics for Clean Energy Catalysts. Energy Procedia, 2015, 79, 685-690.	1.8	5
116	Morphology, structure, and properties of poly(lactic acid) microporous films containing poly(butylene terephthalate) fine fibers fabricated by biaxial stretching. Journal of Applied Polymer Science, 2015, 132, .	1.3	22
117	Electrical conductivity enhancement of spinâ€coated PEDOT:PSS thin film via dipping method in low concentration aqueous DMSO. Journal of Applied Polymer Science, 2015, 132, .	1.3	34
118	The suppression of a basic nitrogen compound influence on hydrodesulfurization activity of dibenzothiophene in treated diesel over Al2O3 supported CoMo catalysts by ZrO2 as a secondary support. Catalysis Communications, 2015, 62, 89-94.	1.6	13
119	Impact of calcination atmospheres on the physiochemical and photocatalytic properties of nanocrystalline TiO2 and Si-doped TiO2. Ceramics International, 2015, 41, 11409-11417.	2.3	29
120	Effect of Dispersion of the Active Phase on the Activity and Coke Formation over WO3/SiO2 Catalysts in the Metathesis of Ethylene and 2-Butene. Catalysis Letters, 2015, 145, 1868-1875.	1.4	9
121	Preparation of super-microporous WO3â€“SiO2 olefin metathesis catalysts by the aerosol-assisted solâ€“gel process. Microporous and Mesoporous Materials, 2015, 213, 125-133.	2.2	46
122	Effect of surface Ti3+ on the solâ€“gel derived TiO2 in the selective acetylene hydrogenation on Pd/TiO2 catalysts. Catalysis Today, 2015, 245, 134-138.	2.2	44
123	A Comparison of Different A-, A-B-, and B-Site Incorporated in (Ba_{0.5}Sr_{0.5})TiO₃ on Photocatalytic Application. Advances in Optical Technologies, 2015, 2015, 1-8.	0.8	2
124	Role of Citric Acid Modification on Hydrodesulfurization of DBT and 4,6 DMDBT in the Presence of Pyridine Over CoMo/Al2O3. ASEAN Journal of Chemical Engineering, 2015, 15, 62.	0.5	4
125	Effects of Various Mixed Metal Chlorides- AlCl3 in TiCl4/MgCl2/THF Catalytic System on Ethylene Polymerization. ASEAN Journal of Chemical Engineering, 2015, 14, 12.	0.5	1
126	Desorption of Water from Distinct Step Types on a Curved Silver Crystal. Molecules, 2014, 19, 10845-10862.	1.7	19

#	Article	IF	Citations
127	Effect of Na Content on the Physical Properties ofBa0.5Sr0.5TiO3Powders. Advances in Materials Science and Engineering, 2014, 2014, 1-7.	1.0	3
128	Liquid-Phase Hydrogenation of Phenylacetylene Over the Nano-Sized Pd/TiO₂ Catalysts. Journal of Nanoscience and Nanotechnology, 2014, 14, 3170-3175.	0.9	6
129	Synthesis of well dispersed graphene in conjugated poly(3,4-ethylenedioxythiophene):polystyrene sulfonate via click chemistry. Composites Science and Technology, 2014, 93, 1-8.	3.8	44
130	Effect of carbon-dopant on the optical band gap and photoluminescence properties of [Ba0.5Sr0.5]TiO3 powders synthesized by the solâ€“gel process. Journal of Luminescence, 2014, 145, 919-924.	1.5	5
131	Influence of preparation method on the catalytic performances of Re2O7/SiO2-Al2O3 catalysts in the metathesis of ethylene and 2-pentene. Journal of Industrial and Engineering Chemistry, 2014, 20, 145-152.	2.9	14
132	Pd/TiO2 catalysts prepared by electroless deposition with and without SnCl2 sensitization for the liquid-phase hydrogenation of 3-hexyn-1-ol. Reaction Kinetics, Mechanisms and Catalysis, 2014, 111, 123-135.	0.8	7
133	WO3-based catalysts prepared by non-hydrolytic sol-gel for the production of propene by cross-metathesis of ethene and 2-butene. Applied Catalysis A: General, 2014, 488, 200-207.	2.2	36
134	Comparison of the effects of Ï‡ phase- and Si- modified Î³-Al2O3 supported Pt catalysts in CO oxidation. Catalysis Communications, 2014, 56, 92-95.	1.6	8
135	The Characteristics of Green Calcium Oxide Derived from Aquatic Materials. Procedia Chemistry, 2014, 9, 53-61.	0.7	15
136	A Singleâ€Site Platinum CO Oxidation Catalyst in Zeolite KLTL: Microscopic and Spectroscopic Determination of the Locations of the Platinum Atoms. Angewandte Chemie - International Edition, 2014, 53, 8904-8907.	7.2	263
137	Synergistic effects of the ZnCl2-SiCl4 modified TiCl4/MgCl2/THF catalytic system on ethylene/1-hexene and ethylene/1-octene copolymerizations. Chinese Journal of Polymer Science (English Edition), 2014, 32, 84-91.	2.0	8
138	Comparative Effect of Nano-Sized ZrO2 and TiO2 Additional Supports in Silica-Supported Tungsten Catalysts on Performance in Metathesis of Ethylene and 2-Butene to Propylene. Catalysis Letters, 2014, 144, 1524-1529.	1.4	12
139	Effect of 2-Butene Cis/Trans Isomers in the Metathesis of Ethylene and 2-Butene Over WO3/SiO2 Catalysts. Catalysis Letters, 2014, 144, 920-927.	1.4	7
140	One-step preparation of Ptâ€“Ce and Ptâ€“Snâ€“Ce/Al2O3 catalysts by flame spray pyrolysis in propane dehydrogenation. Reaction Kinetics, Mechanisms and Catalysis, 2014, 113, 149-158.	0.8	3
141	NaOH modified WO3/SiO2 catalysts for propylene production from 2-butene and ethylene metathesis. Chinese Journal of Catalysis, 2014, 35, 232-241.	6.9	30
142	Observation on different reducing power of cocatalysts on the Zieglerâ€“Natta catalyst containing alkoxide species for ethylene polymerization. Journal of Applied Polymer Science, 2014, 131, .	1.3	5
143	Influence of micro- and nano-sized SiO2 excess support on the metathesis of ethylene and trans-2-butene to propylene over silica-supported tungsten catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2014, 113, 225-240.	0.8	9
144	Synthesis and characterization of a phosphonated graft copolyimide for direct methanol fuel cells application. Journal of Polymer Research, 2013, 20, 1.	1.2	4

#	Article	IF	Citations
145	Experimental observation on the mixing systems and ways to significantly enhance the conductivity of PEDOT-sulfonated poly(imide) aqueous dispersion. Microelectronic Engineering, 2013, 111, 7-13.	1.1	1
146	Bis [N-(3-tert-butylsalicylidene) cyclooctylamine] titanium dichloride activated with MAO for ethylene polymerization. European Polymer Journal, 2013, 49, 1753-1759.	2.6	6
147	Enhancement of poly(3,4-ethylenedioxy thiophene)/poly(styrene sulfonate) properties by poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Over Materials Science: Materials in Electronics, 2013, 24, 2897-2905.	1.1	22
148	Effect of Nano-sized TiO2 Additional Support in WO3/SiO2 Catalyst Systems on Metathesis of Ethylene and Trans-2-Butene to Propylene. Catalysis Letters, 2013, 143, 919-925.	1.4	12
149	Effect of ZnCl₂â€•and SiCl₄â€doped TiCl₄/MgCl₂/THF catalysts for ethylene polymerization. Journal of Applied Polymer Science, 2013, 130, 1588-1594.	1.3	10
150	Effect of Na-, K-, Mg-, and Ga dopants in A/B-sites on the optical band gap and photoluminescence behavior of [Ba0.5Sr0.5]TiO3 powders. Journal of Luminescence, 2013, 142, 75-80.	1.5	27
151	Effects of the addition of anionic surfactant during template polymerization of conducting polymers containing pedot with sulfonated poly(imide) and poly(styrene sulfonate) as templates for nano-thin film applications. Synthetic Metals, 2013, 179, 10-17.	2.1	15
152	Fluorinated bis(phenoxy-imine)titanium complexes with methylaluminoxane forÂthe synthesis of ultra high molecular weight polyethylene. Polymer, 2013, 54, 3217-3222.	1.8	6
153	Effect of nanocrystallite size of TiO2 in Co/TiO2 and Co/TiO2-Ru catalysts on methanation. Korean Journal of Chemical Engineering, 2013, 30, 50-54.	1.2	6
154	Catalytic performance improvement of styrene hydrogenation in trickle bed reactor by using periodic operation. Korean Journal of Chemical Engineering, 2013, 30, 593-597.	1.2	8
155	Preparation and characterization of conductive polyimide-graft-polyaniline. Microelectronic Engineering, 2013, 104, 22-28.	1.1	4
156	Modification of Novel Conductive PEDOT:Sulfonated Polyimide Nano-Thin Films by Anionic Surfactant and Poly(vinyl alcohol) for Electronic Applications. Journal of Electronic Materials, 2013, 42, 3471-3480.	1.0	5
157	Study on the Properties of Blends between Acrylonitrile-Butadiene Rubber and Acrylonitrile-Butadiene-Styrene or Poly(Styrene-co-Acrylonitrile). Advanced Materials Research, 2013, 812, 192-197.	0.3	0
158	Polyethylene/Clay Nanocomposites Produced byIn SituPolymerization with Zirconocene/MAO Catalyst. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	24
159	Solvothermal-Derived Nanocrystalline TiO₂ Supported Co Catalysts in the Hydrogenation of Carbonmonoxide. Advanced Materials Research, 2013, 634-638, 595-598.	0.3	0
160	Copolymerization of Ethylene and 1â€Hexene with Ansaâ€Dimethylsilylene(fluorenyl)(tâ€butylamido)Dimethyltitanium Complexes Activated by Modified Methylaluminoxane. Macromolecular Chemistry and Physics, 2013, 214, 2584-2590.	1.1	2
161	Secondary dopants modified PEDOT-sulfonated poly(imide)s for high-temperature range application. Journal of Applied Polymer Science, 2013, 128, 3840-3845.	1.3	6
162	Effect of SiO2â€“Al2O3 Composition on the Catalytic Performance of the Re2O7/SiO2â€“Al2O3 Catalysts in the Metathesis of Ethylene and 2-Pentene for Propylene Production. Catalysis Letters, 2012, 142, 1141-1149.	1.4	11

#	Article	IF	Citations
163	Integrated methane decomposition and solid oxide fuel cell for efficient electrical power generation and carbon capture. Chemical Engineering Research and Design, 2012, 90, 2223-2234.	2.7	11
164	Sulfonated polyimide as a thermally stable template for water processable conductive polymers. Synthetic Metals, 2012, 162, 941-947.	2.1	9
165	Effect of Ga- and BCl3-modified silica-supported [t-BuNSiMe2(2,7-t-Bu2Flu)]TiMe2/MAO catalyst on ethylene/1-hexene copolymerization. European Polymer Journal, 2012, 48, 1304-1312.	2.6	5
166	Observation on inhibition of Ti3+ reduction by fumed silica addition in Ziegler-Natta catalyst with in situ ESR. Journal of Industrial and Engineering Chemistry, 2012, 18, 1888-1892.	2.9	4
167	Effect of poly(styrene-co-maleic anhydride) compatibilizer on properties of polystyrene/zinc oxide composites. Iranian Polymer Journal (English Edition), 2012, 21, 385-396.	1.3	1
168	Production of propylene from an unconventional metathesis of ethylene and 2-pentene over Re2O7/SiO2-Al2O3 catalysts. Journal of Natural Gas Chemistry, 2012, 21, 83-90.	1.8	15
169	Role of support nature (Î³-Al2O3 and SiO2-Al2O3) on the performances of rhenium oxide catalysts in the metathesis of ethylene and 2-pentene. Journal of Natural Gas Chemistry, 2012, 21, 158-164.	1.8	17
170	LLDPE synthesis via SiO2â€“Ga-supported zirconocene/MMAO catalyst. Journal of Industrial and Engineering Chemistry, 2012, 18, 373-377.	2.9	4
171	Alignment of carbon nanotubes in polyimide under electric and magnetic fields. Journal of Applied Polymer Science, 2012, 123, 3470-3475.	1.3	26
172	Effects of particle type on thermal and mechanical properties of polyoxymethylene nanocomposites. Journal of Applied Polymer Science, 2012, 123, 3217-3224.	1.3	22
173	Hydrogen Production via Sorption Enhanced Steam Methane Reforming Process Using Ni/CaO Multifunctional Catalyst. Industrial & Engineering Chemistry Research, 2011, 50, 13662-13671.	1.8	98
174	Observation of Different Catalytic Activity of Various 1-Olefins during Ethylene/1-Olefin Copolymerization with Homogeneous Metallocene Catalysts. Molecules, 2011, 16, 373-383.	1.7	21
175	Behaviors in Ethylene Polymerization of MgCl2-SiO2/TiCl4/THF Ziegler-Natta Catalysts with Differently Treated SiO2. Molecules, 2011, 16, 1323-1335.	1.7	8
176	The Influence of Comonomer on Ethylene/Î±-Olefin Copolymers Prepared Using [Bis(N-(3-tert) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	1.7	10
177	The Influence of t-Butyl and Cyclododecyl Substitution on Ethylene/1-Hexene Copolymerization Using Ansa-Fluorenylamidodimethyltitanium Derivatives. Molecules, 2011, 16, 4122-4130.	1.7	2
178	HCl Treatment on Micropore and Mesopore Structures of Carbon Cryogels from Resorcinol and Formaldehyde. Journal of Chemical Engineering of Japan, 2011, 44, 110-117.	0.3	3
179	Effect of EtOH/MgCl2 Molar Ratios on the Catalytic Properties of MgCl2-SiO2/TiCl4 Ziegler-Natta Catalyst for Ethylene Polymerization. Molecules, 2011, 16, 8332-8342.	1.7	13
180	Flow Pattern of Liquid Multiphase Flow in Microreactors with Different Guideline Structures. Journal of Chemical Engineering of Japan, 2011, 44, 649-652.	0.3	6

#	Article	IF	Citations
181	Ti-Si composite oxide-supported cobalt catalysts for CO2 hydrogenation. Journal of Natural Gas Chemistry, 2011, 20, 558-564.	1.8	36
182	Characteristics and catalytic properties of La-modified ZrO2 supported cobalt catalysts in CO hydrogenation. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 367-378.	0.8	1
183	Effect of Ga modification on different pore size silicas in synthesis of LLDPE by copolymerization of ethylene and 1-hexene with [t-BuNSiMe2Flu]TiMe2/MMAO catalyst. Polymer Bulletin, 2011, 66, 1301-1312.	1.7	5
184	Effects of Ti oxidation state on ethylene, 1-hexene comonomer polymerization by MgCl2-supported Zieglerâ€“Natta catalysts. Polymer Bulletin, 2011, 67, 1979-1989.	1.7	19
185	Preparation and characterization of novel polyimide with chiral side chain for twist nematic liquid crystal display. Journal of Applied Polymer Science, 2011, 120, 3265-3277.	1.3	10
186	Glycerol ethers synthesis from glycerol etherification with tert-butyl alcohol in reactive distillation. Computers and Chemical Engineering, 2011, 35, 2034-2043.	2.0	80
187	Partial oxidation of benzene catalyzed by vanadium chloride in novel reactionâ€“extractionâ€“regeneration system. Chemical Engineering and Processing: Process Intensification, 2011, 50, 53-58.	1.8	2
188	Effect of calcination treatment of zirconia on W/ZrO2 catalysts for transesterification. Fuel Processing Technology, 2011, 92, 1537-1542.	3.7	15
189	Gasoline upgrading by self-etherification with ethanol on modified beta-zeolite. Fuel Processing Technology, 2011, 92, 1999-2004.	3.7	14
190	Influence of solvent species used in solvent exchange for preparation of mesoporous carbon xerogels from resorcinol and formaldehyde via subcritical drying. Microporous and Mesoporous Materials, 2011, 138, 8-16.	2.2	44
191	The Influence of Mixed Activators on Ethylene Polymerization and Ethylene/1-Hexene Copolymerization with Silica-Supported Ziegler-Natta Catalyst. Molecules, 2010, 15, 9323-9339.	1.7	17
192	Isosynthesis via CO hydrogenation over SO4â€“ZrO2 catalysts. Journal of Industrial and Engineering Chemistry, 2010, 16, 411-418.	2.9	6
193	The influence of Si-modified TiO2 on the activity of Ag/TiO2 in CO oxidation. Journal of Industrial and Engineering Chemistry, 2010, 16, 703-707.	2.9	27
194	The Role of Zirconia Surface on Catalytic Activity of Tungstated Zirconia via Two-Phase Esterification of Acetic Acid and 1-Heptanol. Catalysis Letters, 2010, 136, 134-140.	1.4	5
195	Study on Solvent/Alkoxide Molar Ratios on Synthesis Zirconia Nanoparticles for Tungstated Zirconia Catalysts Over Esterification. Catalysis Letters, 2010, 139, 42-49.	1.4	6
196	Reaction Kinetics and Mechanisms for Hydrolysis and Transesterification of Triglycerides on Tungstated Zirconia. Topics in Catalysis, 2010, 53, 783-794.	1.3	17
197	Improvement of propane oxidation activity over Pt/Al2O3 by the use of MIXED Î³- and Ï‡-Al2O3 supports. Reaction Kinetics, Mechanisms and Catalysis, 2010, 100, 441.	0.8	6
198	Surfactantâ€dispersed carbon black in polyimide nanocomposites: Spectroscopic monitoring of the dispersion state in the polymer matrix. Journal of Applied Polymer Science, 2010, 115, 1622-1629.	1.3	27

#	Article	IF	Citations
199	Synthesis and characterization of lowâ€dielectric photosensitive polyimide/silica hybrid materials. Journal of Applied Polymer Science, 2010, 117, 2422-2427.	1.3	19
200	Color improvment of C₉ hydrocarbon resin by hydrogenation over 2% Pd/Î³â€alumina catalyst: Effect of degree of aromatic rings hydrogenation. Journal of Applied Polymer Science, 2010, 117, 2862-2869.	1.3	18
201	Modification of acid properties and catalytic properties of AlPO4 by hydrothermal pretreatment for methanol dehydration to dimethyl ether. Applied Catalysis A: General, 2010, 378, 119-123.	2.2	59
202	Solvent effect on synthesis of zirconia support for tungstated zirconia catalysts. Journal of Industrial and Engineering Chemistry, 2010, 16, 327-333.	2.9	8
203	Preparation of the thermally stable conducting polymer PEDOT â€“ Sulfonated poly(imide). Polymer, 2010, 51, 1231-1236.	1.8	56
204	Comparison of the thermally stable conducting polymers PEDOT, PANi, and PPy using sulfonated poly(imide) templates. Polymer, 2010, 51, 4472-4476.	1.8	37
205	Effect of calcination temperature on characteristics of sulfated zirconia and its application as catalyst for isosynthesis. Fuel Processing Technology, 2010, 91, 121-126.	3.7	30
206	Cleaner gasoline production by using glycerol as fuel extender. Fuel Processing Technology, 2010, 91, 456-460.	3.7	36
207	Effect of solvent on hydrolysis and transesterification reactions on tungstated zirconia. Applied Catalysis A: General, 2010, 380, 81-86.	2.2	25
208	Impact of Si and Zr addition on the surface defect and photocatalytic activity of the nanocrystalline TiO2 synthesized by the solvothermal method. Ceramics International, 2010, 36, 1439-1446.	2.3	9
209	Synthesis of Silicon Nitride Fibers by the Carbothermal Reduction and Nitridation of Rice Husk Ash. Journal of the American Ceramic Society, 2010, 93, 973-979.	1.9	52
210	Effect of Milling on the Formation of Nanocrystalline Ï‡â€Al₂O₃ from Gibbsite. Journal of the American Ceramic Society, 2010, 93, 3377-3383.	1.9	8
211	Elucidation of the basicity dependence of 1-butene isomerization on MgO/Mg(OH)2 catalysts. Catalysis Communications, 2010, 12, 80-85.	1.6	50
212	Effect of mixed Al2O3 structure between Î¸- and Î±-Al2O3 on the properties of Pd/Al2O3 in the selective hydrogenation of 1,3-butadiene. Catalysis Communications, 2010, 11, 311-316.	1.6	29
213	The effect of phosphorous precursor on the CO oxidation activity of P-modified TiO2 supported Ag catalysts. Catalysis Communications, 2010, 11, 1238-1243.	1.6	23
214	A REACTION-EXTRACTION-REGENERATION SYSTEM FOR HIGHLY SELECTIVE OXIDATION OF BENZENE TO PHENOL. Chemical Engineering Communications, 2010, 197, 1140-1151.	1.5	5
215	Effect of strong metalâ€“support interaction on the catalytic performance of Pd/TiO2 in the liquid-phase semihydrogenation of phenylacetylene. Journal of Catalysis, 2009, 262, 199-205.	3.1	118
216	Synthesis and characterization of graft copolymers of syndiotactic polystyrene with polybutadiene and 4-methylstyrene. Journal of Applied Polymer Science, 2009, 112, 335-344.	1.3	8

#	Article	IF	Citations
217	Dielectric properties and solubility of multilayer hyperbranched polyimide/polyhedral oligomeric silsesquioxane nanocomposites. Journal of Applied Polymer Science, 2009, 114, 3292-3302.	1.3	10
218	Effect of low molar mass liquid crystal and lubricant on miscibility and thermal properties of syndiotactic polystyrene blends. Journal of Applied Polymer Science, 2009, 114, 2053-2059.	1.3	1
219	Investigation of diene addition on ethyleneâ€“propylene (EP) copolymerization with a zirconocene catalyst: Effects of diene types and E/P ratios. Journal of Materials Processing Technology, 2009, 209, 520-524.	3.1	4
220	A Study on Characteristics and Catalytic Properties of Co/ZrO2-B Catalysts Towards Methanation. Catalysis Letters, 2009, 128, 119-126.	1.4	12
221	Self-Etherification Process for Cleaner Fuel Production. Catalysis Letters, 2009, 128, 154-163.	1.4	10
222	Effect of TiO2 Crystallite Size on the Activity of CO Oxidation. Catalysis Letters, 2009, 133, 76-83.	1.4	12
223	Impact of quenching process on the surface defect of titanium dioxide for hydrogen production from photocatalytic decomposition of water. Journal of Industrial and Engineering Chemistry, 2009, 15, 77-81.	2.9	6
224	Characteristics and catalytic properties of Ptâ€“Sn/Al2O3 nanoparticles synthesized by one-step flame spray pyrolysis in the dehydrogenation of propane. Applied Catalysis A: General, 2009, 370, 1-6.	2.2	58
225	Influence of Preparation Method on the Nanocrystalline Porosity of Î±-Al₂O₃ and the Catalytic Properties of Pd/Î±-Al₂O₃ in Selective Acetylene Hydrogenation. Industrial & Engineering Chemistry Research, 2009, 48, 6273-6279.	1.8	16
226	A study on isosynthesis via CO hydrogenation over ZrO2â€“CeO2 mixed oxide catalysts. Catalysis Communications, 2009, 10, 494-501.	1.6	21
227	Hydrolysis of Triglycerides Using Solid Acid Catalysts. Industrial & Engineering Chemistry Research, 2009, 48, 4757-4767.	1.8	79
228	Influence of calcination treatment on the activity of tungstated zirconia catalysts towards esterification. Catalysis Communications, 2009, 10, 1079-1084.	1.6	19
229	Catalytic behaviors of SiO2-supported various aluminoxanes as coactivator in MgCl2/DEP/TiCl4â€“TEA catalysts for propylene polymerization. Catalysis Communications, 2009, 10, 1319-1323.	1.6	6
230	Effect of Fe-modified Î±-Al2O3 on the properties of Pd/Î±-Al2O3 catalysts in selective acetylene hydrogenation. Reaction Kinetics and Catalysis Letters, 2009, 97, 115-123.	0.6	6
231	Preparation of Nano-Pd/SiO₂ by One-Step Flame Spray Pyrolysis and Its Hydrogenation Activities: Comparison to the Conventional Impregnation Method. Industrial & Engineering Chemistry Research, 2009, 48, 2819-2825.	1.8	37
232	Surface defect (Ti3+) controlling in the first step on the anatase TiO2 nanocrystal by using solâ€“gel technique. Applied Surface Science, 2008, 255, 2759-2766.	3.1	28
233	Effect of Zr-Modified SiO2-Supported Metallocene/MAO Catalyst on Copolymerization of Ethylene/1-Octene. Catalysis Letters, 2008, 121, 266-273.	1.4	9
234	Characterization of Cobalt Dispersed on Various Micro- and Nanoscale Silica and Zirconia Supports. Catalysis Letters, 2008, 124, 376-383.	1.4	6

#	Article	IF	Citations
235	Effect of Support Crystallite Size on Catalytic Activity and Deactivation of Nanocrystalline ZnAl2O4-Supported Pd Catalysts in Liquid-Phase Hydrogenation. Catalysis Letters, 2008, 126, 313.	1.4	18
236	Effects of the support crystallite size and the reduction temperature on the properties of Pd/Î±-Al2O3 catalysts in selective acetylene hydrogenation. Reaction Kinetics and Catalysis Letters, 2008, 94, 233-241.	0.6	5
237	Probing Defect Sites on TiO₂ with [Re₃(CO)₁₂H₃]: Spectroscopic Characterization of the Surface Species. Chemistry - A European Journal, 2008, 14, 1402-1414.	1.7	31
238	Morphology and mechanical properties of catalytic coke/polypropylene composites. Journal of Applied Polymer Science, 2008, 110, 2071-2077.	1.3	4
239	A comparative study of strong metalâ€“support interaction and catalytic behavior of Pd catalysts supported on micron- and nano-sized TiO2 in liquid-phase selective hydrogenation of phenylacetylene. Journal of Molecular Catalysis A, 2008, 279, 133-139.	4.8	51
240	Impact of temperature ramping rate during calcination on characteristics of nano-ZrO2 and its catalytic activity for isosynthesis. Journal of Molecular Catalysis A, 2008, 280, 35-42.	4.8	25
241	Effect of supports and solvents on ethylene polymerization with titanium complex consisting of phenoxy-imine ligands/dMMAO catalytic system. Journal of Molecular Catalysis A, 2008, 294, 1-7.	4.8	11
242	Characterization of cobalt dispersed on the mixed nanoscale alumina and zirconia supports. Journal of Materials Processing Technology, 2008, 206, 352-358.	3.1	12
243	Ternary metal oxide catalysts for selective oxidation of benzene to phenol. Journal of Industrial and Engineering Chemistry, 2008, 14, 596-601.	2.9	29
244	Performance of Pd catalysts supported on nanocrystalline Î±-Al2O3 and Ni-modified Î±-Al2O3 in selective hydrogenation of acetylene. Catalysis Today, 2008, 131, 553-558.	2.2	35
245	Effect of quenching medium on photocatalytic activity of nano-TiO2 prepared by solvothermal method. Chemical Engineering Journal, 2008, 138, 622-627.	6.6	42
246	Preparation of ZnO nanorod by solvothermal reaction of zinc acetate in various alcohols. Ceramics International, 2008, 34, 57-62.	2.3	116
247	Simultaneous enhancement of ethanol supplement in gasoline and its quality improvement. Fuel Processing Technology, 2008, 89, 1365-1370.	3.7	15
248	Impact of concentration and Si doping on the properties and phase transformation behavior of nanocrystalline alumina prepared via solvothermal synthesis. Materials Chemistry and Physics, 2008, 107, 208-214.	2.0	18
249	Effect of aging on the properties of mesoporous niobium oxide. Materials Chemistry and Physics, 2008, 110, 387-392.	2.0	12
250	Effect of Ni-modified Î±-Al2O3 prepared by solâ€“gel and solvothermal methods on the characteristics and catalytic properties of Pd/Î±-Al2O3 catalysts. Materials Chemistry and Physics, 2008, 111, 431-437.	2.0	20
251	Effect of phase composition between nano Î³- and Ï‡-Al2O3 on Pt/Al2O3 catalyst in CO oxidation. Catalysis Communications, 2008, 9, 546-550.	1.6	62
252	Effect of mixed Î³- and Ï‡-crystalline phases in nanocrystalline Al2O3 on the dispersion of cobalt on Al2O3. Catalysis Communications, 2008, 9, 207-212.	1.6	21

#	Article	IF	Citations
253	Study of LLDPE/alumina nanocomposites synthesized by in situ polymerization with zirconocene/d-MMAO catalyst. Catalysis Communications, 2008, 9, 522-528.	1.6	27
254	Impact of bimodal pore MCM-41-supported zirconocene/dMMAO catalyst on copolymerization of ethylene/1-octene. Catalysis Communications, 2008, 9, 789-795.	1.6	20
255	A comparative study of SiO2- and ZrO2-supported zirconocene/MAO catalysts on ethylene/1-olefin copolymerization. Catalysis Communications, 2008, 9, 1426-1431.	1.6	16
256	Effects of reaction medium and crystallite size on Ti3+ surface defects in titanium dioxide nanoparticles prepared by solvothermal method. Catalysis Communications, 2008, 9, 1810-1814.	1.6	40
257	Hydroxylation of benzene to phenol on Fe/TiO2 catalysts loaded with different types of second metal. Catalysis Communications, 2008, 9, 1886-1890.	1.6	27
258	Dehydration of methanol to dimethyl ether over nanocrystalline Al2O3 with mixed Î³- and Ï‡-crystalline phases. Catalysis Communications, 2008, 9, 1955-1958.	1.6	67
259	Selective hydrogenation of acetylene over Pd catalysts supported on nanocrystalline Î±-Al2O3 and Zn-modified Î±-Al2O3. Catalysis Communications, 2008, 9, 2297-2302.	1.6	52
260	Improvement of Pd/Al2O3 catalyst performance in selective acetylene hydrogenation using mixed phases Al2O3 support. Catalysis Communications, 2008, 10, 86-91.	1.6	66
261	Dependence of Quenching Process on the Photocatalytic Activity of Solvothermal-Derived TiO₂ with Various Crystallite Sizes. Industrial & Engineering Chemistry Research, 2008, 47, 693-697.	1.8	25
262	Effects of various poisoning compounds on the activity and stereospecificity of heterogeneous Zieglerâ€“Natta catalyst. Science and Technology of Advanced Materials, 2008, 9, 024402.	2.8	14
263	Investigation of isosynthesis via CO hydrogenation over ZrO2 and CeO2 catalysts: Effects of crystallite size, phase composition and acidâ€“base sites. Catalysis Communications, 2007, 8, 548-556.	1.6	37
264	Effect of surface sites of TiO2 support on the formation of cobalt-support compound in Co/TiO2 catalysts. Catalysis Communications, 2007, 8, 1772-1780.	1.6	9
265	Effect of Ag addition on the properties of Pdâ€“Ag/TiO2 catalysts containing different TiO2 crystalline phases. Catalysis Communications, 2007, 8, 2166-2170.	1.6	38
266	Fe(III), Cu(II), V(V)/TiO2 for Hydroxylation of Benzene to Phenol with Hydrogen Peroxide at Room Temperature. Journal of Chemical Engineering of Japan, 2007, 40, 415-421.	0.3	13
267	New synthesis methods for polypropylene-co-ethylene-propylene rubber. Journal of Applied Polymer Science, 2007, 103, 3609-3616.	1.3	9
268	Interfacial adhesion enhancement of polyethyleneâ€“polypropylene mixtures by adding synthesized diisocyanate compatibilizers. Journal of Applied Polymer Science, 2007, 104, 3766-3773.	1.3	16
269	Characteristics and catalytic properties of [t-BuNSiMe2Flu]TiMe2/dMMAO catalyst dispersed on various supports towards ethylene/1-octene copolymerization. Applied Catalysis A: General, 2007, 327, 270-277.	2.2	18
270	Gas-phase dehydrocyclization of diphenylamine. Applied Catalysis A: General, 2007, 328, 183-188.	2.2	3

#	Article	IF	Citations
271	Enhancement of direct nitridation of silicon by common metals in silicon nitride processing. Ceramics International, 2007, 33, 675-680.	2.3	32
272	Synthesis of Fe2O3 nanoparticles in different reaction media. Ceramics International, 2007, 33, 697-699.	2.3	25
273	Effect of dopants on the properties of metal-doped zirconia prepared by the glycothermal method. Ceramics International, 2007, 33, 1469-1473.	2.3	10
274	Copper-modified alumina as a support for iron Fischerâ€“Tropsch synthesis catalysts. Applied Catalysis A: General, 2007, 332, 130-137.	2.2	32
275	Impact of palladium silicide formation on the catalytic properties of Pd/SiO2 catalysts in liquid-phase semihydrogenation of phenylacetylene. Journal of Molecular Catalysis A, 2007, 261, 29-35.	4.8	61
276	Study of cobalt dispersion onto the mixed nano-SiO2â€“ZrO2 supports and its application as a catalytic phase. Materials Chemistry and Physics, 2007, 105, 14-19.	2.0	22
277	Effect of nanoscale SiO2 and ZrO2 as the fillers on the microstructure of LLDPE nanocomposites synthesized via in situ polymerization with zirconocene. Materials Letters, 2007, 61, 1376-1379.	1.3	44
278	Effect of TiO2 crystallite size on the dispersion of Co on nanocrystalline TiO2. Reaction Kinetics and Catalysis Letters, 2007, 91, 119-126.	0.6	4
279	Effect of N2O pretreatment on fresh and regenerated Pd-Ag/Î±-Al2O3 catalysts during selective hydrogenation of acetylene. Reaction Kinetics and Catalysis Letters, 2007, 91, 195-202.	0.6	6
280	Observation of bimodal polyethylene derived from TiO2-supported zirconocene/MAO catalyst during polymerization of ethylene and ethylene/1-hexene. Catalysis Letters, 2007, 117, 177-181.	1.4	7
281	Impact of Boron Modification on MCM-41-Supported Cobalt Catalysts for Hydrogenation of Carbon Monoxide. Catalysis Letters, 2007, 118, 195-202.	1.4	7
282	Characteristics and Catalytic Properties of Pd/SiO2 Synthesized by One-step Flame Spray Pyrolysis in Liquid-phase Hydrogenation of 1-Heptyne. Catalysis Letters, 2007, 119, 346-352.	1.4	43
283	Synthesis of nanocrystalline alumina by thermal decomposition of aluminum isopropoxide in 1-butanol and their applications as cobalt catalyst support. Korean Journal of Chemical Engineering, 2007, 24, 397-402.	1.2	9
284	Carbon dioxide reforming of methane under periodic operation. Korean Journal of Chemical Engineering, 2007, 24, 44-50.	1.2	17
285	Control of Ti3+surface defect on TiO2 nanocrystal using various calcination atmospheres as the first step for surface defect creation and its application in photocatalysis. Applied Surface Science, 2007, 253, 3849-3855.	3.1	140
286	Effect of nano-SiO2 particle size on the formation of LLDPE/SiO2 nanocomposite synthesized via the in situ polymerization with metallocene catalyst. Chemical Engineering Science, 2007, 62, 899-905.	1.9	68
287	Solvothermal Synthesis of ZnO with Various Aspect Ratios Using Organic Solvents. Crystal Growth and Design, 2006, 6, 2446-2450.	1.4	139
288	Differences in characteristics and catalytic properties of Co catalysts supported on micron- and nano-sized zirconia. Catalysis Communications, 2006, 7, 192-197.	1.6	14

#	Article	IF	Citations
289	Effects of Si- and Y-modified nanocrystalline zirconia on the properties of Co/ZrO2 catalysts. Catalysis Communications, 2006, 7, 761-767.	1.6	7
290	Elucidation of solvent effects on the catalytic behaviors for [t-BuNSiMe2Flu]TiMe2 complex during ethylene/1-hexene copolymerization. Catalysis Communications, 2006, 7, 721-727.	1.6	16
291	Effect of Organic Solvents on Iron Oxide Nanoparticles by the Solvothermal Method. Crystal Growth and Design, 2006, 6, 40-45.	1.4	35
292	Effect of TiO2 Crystalline Phase Composition on the Physicochemical and Catalytic Properties of Pd/TiO2 in Selective Acetylene Hydrogenation. Journal of Physical Chemistry B, 2006, 110, 8019-8024.	1.2	88
293	Effect of the calcine condition on surface structure of titania nanocrystal photocatalyst. Studies in Surface Science and Catalysis, 2006, , 717-720.	1.5	2
294	Selective hydrogenation of acetylene in excess ethylene on micron-sized and nanocrystalline TiO2 supported Pd catalysts. Applied Catalysis A: General, 2006, 314, 128-133.	2.2	64
295	Effect of crystallite size on the surface defect of nano-TiO2 prepared via solvothermal synthesis. Journal of Crystal Growth, 2006, 297, 234-238.	0.7	56
296	Role of ruthenium in the reduction behavior of ruthenium-promoted cobalt/titania Fischer-Tropsch catalystsÂ. Reaction Kinetics and Catalysis Letters, 2006, 88, 65-71.	0.6	2
297	Effect of Zirconia-modified Titania Consisting of Different Phases on Characteristics and Catalytic Properties of Co/TiO2 Catalysts. Catalysis Letters, 2006, 108, 55-61.	1.4	12
298	The Role of CaO in the Zieglerâ€“Natta Catalyst for Propylene Polymerization. Catalysis Letters, 2006, 109, 147-152.	1.4	5
299	A study of aluminaâ€“zirconia mixed oxides prepared by the modified Pechini method as Co catalyst supports in CO hydrogenation. Applied Catalysis A: General, 2006, 303, 268-272.	2.2	11
300	A comparative study of liquid-phase hydrogenation on Pd/SiO2 in organic solvents and under pressurized carbon dioxide: Activity change and metal leaching/sintering. Journal of Molecular Catalysis A, 2006, 253, 20-24.	4.8	15
301	Ag-ZnO catalysts for UV-photodegradation of methylene blue. Applied Catalysis B: Environmental, 2006, 63, 305-312.	10.8	465
302	Catalytic behaviors of mixed TiO2-SiO2-supported cobalt Fischerâ€“Tropsch catalysts for carbon monoxide hydrogenation. Materials Chemistry and Physics, 2006, 97, 343-350.	2.0	21
303	Preparation and phase transformation behavior of Ï‡-alumina via solvothermal synthesis. Materials Chemistry and Physics, 2006, 100, 445-450.	2.0	19
304	Effect of aging on synthesis of graft copolymer of EPDM and styrene (EPDM-g-PS). Journal of Applied Polymer Science, 2006, 102, 4809-4813.	1.3	0
305	Effect of Î±-Olefins on Copolymerization of Ethylene and Î±-Olefin with [t-BuNSiMe2Flu]TiMe2 Catalyst. Studies in Surface Science and Catalysis, 2006, 161, 271-274.	1.5	0
306	Characteristics and catalytic properties of Co/TiO2 for various rutile:anatase ratios. Catalysis Communications, 2005, 6, 705-710.	1.6	49

#	Article	IF	Citations
307	Effects of reaction medium on the synthesis of TiO2 nanocrystals by thermal decomposition of titanium (IV) n-butoxide. Ceramics International, 2005, 31, 391-397.	2.3	44
308	Effects of Pd precursors on the catalytic activity and deactivation of silica-supported Pd catalysts in liquid phase hydrogenation. Applied Catalysis A: General, 2005, 292, 322-327.	2.2	61
309	Dependence of crystalline phases in titania on catalytic properties during CO hydrogenation of Co/TiO2 catalysts. Materials Chemistry and Physics, 2005, 89, 395-401.	2.0	22
310	Study of cobalt dispersion on titania consisting various rutile:anatase ratios. Materials Chemistry and Physics, 2005, 92, 572-577.	2.0	24
311	Glycothermal synthesis of nanocrystalline zirconia and their applications as cobalt catalyst supports. Materials Chemistry and Physics, 2005, 94, 207-212.	2.0	20
312	Impact of diene addition on properties for ethyleneâ€“propylene copolymerization with rac-Et[Ind]2ZrCl2/MAO catalyst. Materials Letters, 2005, 59, 3771-3774.	1.3	6
313	Activity of nanosized titania synthesized from thermal decomposition of titanium (IV) n-butoxide for the photocatalytic degradation of diuron. Science and Technology of Advanced Materials, 2005, 6, 290-295.	2.8	25
314	New concepts in material and energy utilization. Korean Journal of Chemical Engineering, 2005, 22, 115-120.	1.2	0
315	Simulation studies on reactive distillation for synthesis oftert-amyl ethyl ether. Korean Journal of Chemical Engineering, 2005, 22, 387-392.	1.2	12
316	Effect of Particle Size on the Hydrothermal Stability and Catalytic Activity of Polycrystalline Beta Zeolite. Journal of Porous Materials, 2005, 12, 293-299.	1.3	13
317	LLDPE/nano-silica composites synthesized via in situ polymerization of ethylene/1-hexene with MAO/metallocene catalyst. Journal of Materials Science, 2005, 40, 2043-2045.	1.7	23
318	Role of titania in TiO2?SiO2 mixed oxides-supported metallocene catalyst during ethylene/1-octene copolymerization. Catalysis Letters, 2005, 100, 139-146.	1.4	21
319	Synthesis, Characterization, and Catalytic Properties of Pd and Pdâ€“Ag Catalysts Supported on Nanocrystalline TiO2 Prepared by the Solvothermal Method. Catalysis Letters, 2005, 103, 53-58.	1.4	23
320	Characteristics and Catalytic Properties of Aluminaâ€“Zirconia Mixed Oxides Prepared by a Modified Pechini Method. Catalysis Letters, 2005, 103, 63-68.	1.4	8
321	Metal-support interaction in mesoporous silica supported cobalt Fischer-Tropsch catalysts. Reaction Kinetics and Catalysis Letters, 2005, 85, 299-304.	0.6	9
322	Deactivation of silica supported Pd catalysts during liquid-phase hydrogenation. Reaction Kinetics and Catalysis Letters, 2005, 86, 141-147.	0.6	2
323	Effect of Si addition on the properties of nanocrystalline ZrO2-supported cobalt catalysts. Reaction Kinetics and Catalysis Letters, 2005, 87, 185-190.	0.6	0
324	Catalytic Activity During Copolymerization of Ethylene and 1-Hexene via Mixed TiO2/SiO2-Supported MAO with rac-Et[Ind]2ZrCl2 Metallocene Catalyst. Molecules, 2005, 10, 672-678.	1.7	15

#	Article	IF	Citations
325	Simulation of Oxidative Coupling of Methane in Solid Oxide Fuel Cell Type Reactor for C2 Hydrocarbon and Electricity Co-Generation. Journal of Chemical Engineering of Japan, 2005, 38, 841-848.	0.3	12
326	Impact of Ti3+ Present in Titania on Characteristics and Catalytic Properties of the Co/TiO2 Catalyst. Industrial & Engineering Chemistry Research, 2005, 44, 6599-6604.	1.8	48
327	Application of Silica/Titania Mixed Oxide-Supported Zirconocene Catalyst for Synthesis of Linear Low-Density Polyethylene. Industrial & Engineering Chemistry Research, 2005, 44, 9059-9063.	1.8	17
328	Oxidative Coupling of Methane in the LSM/YSZ/LaAlO SOFC Reactor. Journal of Chemical Engineering of Japan, 2004, 37, 1461-1470.	0.3	15
329	Synthesis of Thermally Stable Ï‡â€Alumina by Thermal Decomposition of Aluminum Isopropoxide in Toluene. Journal of the American Ceramic Society, 2004, 87, 1543-1549.	1.9	18
330	A comparative study on supporting effect during copolymerization of ethylene/1-olefins with silica-supported zirconocene/MAO catalyst. Materials Chemistry and Physics, 2004, 86, 243-246.	2.0	22
331	A Comparative Study of Ethylene/Â-Olefin Copolymerization with Silane-Modified Silica-Supported MAO Using Zirconocene Catalysts. Catalysis Letters, 2004, 94, 205-208.	1.4	16
332	Co-Support Compound Formation in Titania-Supported Cobalt Catalyst. Catalysis Letters, 2004, 94, 209-215.	1.4	63
333	Production of ethyltert-butyl ether fromtert-butyl alcohol and ethanol catalyzed byÎ²-zeolite in reactive distillation. Korean Journal of Chemical Engineering, 2004, 21, 1139-1146.	1.2	17
334	TPD study in LSM/YSZ/LaAlO system for the use of fuel cell type reactor. Solid State Ionics, 2004, 166, 127-136.	1.3	13
335	Effect of silane-modified silica/MAO-supported Et[Ind]2ZrCl2 metallocene catalyst on copolymerization of ethylene. European Polymer Journal, 2004, 40, 2813-2817.	2.6	7
336	Nature of the surface species on Ag/Al2O3 catalyst in SCR of NO by propene under lean-burn condition through temperature programmed technique. Catalysis Today, 2004, 97, 129-135.	2.2	1
337	Roles of NO and O2 on coke deposition and removal over Cu-ZSM-5. Catalysis Today, 2004, 97, 137-143.	2.2	7
338	A New Correlation for the Effects of the Crystallite Size and Calcination Temperature on the Single Metal Oxides and Spinel Oxides Nanocrystal. Crystal Growth and Design, 2004, 4, 39-43.	1.4	27
339	Impact of the Silica Support Structure on Liquid-Phase Hydrogenation on Pd Catalysts. Industrial & Engineering Chemistry Research, 2004, 43, 6014-6020.	1.8	25
340	An Alternative Correlation Equation between Particle Size and Structure Stability of Hâ^'Y Zeolite under Hydrothermal Treatment Conditions. Industrial & Engineering Chemistry Research, 2004, 43, 4066-4072.	1.8	14
341	Characterisations of Pdâ€“Ag/Al2O3 catalysts for selective acetylene hydrogenation: effect of pretreatment with NO and N2O. Catalysis Communications, 2004, 5, 243-248.	1.6	62
342	A comparative study of Pd/SiO2 and Pd/MCM-41 catalysts in liquid-phase hydrogenation. Catalysis Communications, 2004, 5, 583-590.	1.6	70

#	Article	IF	Citations
343	Supporting Effects of Silica-Supported Methylaluminoxane (MAO) with Zirconocene Catalyst on Ethylene/1-Olefin Copolymerization Behaviors for Linear Low-Density Polyethylene (LLDPE) Production. Industrial & Engineering Chemistry Research, 2004, 43, 7959-7963.	1.8	20
344	Critical nanoparticle size for thermal stability. Journal of Materials Science Letters, 2003, 22, 1587-1589.	0.5	2
345	Effect of Cobalt Precursors on the Dispersion of Cobalt on MCM-41. Catalysis Letters, 2003, 91, 95-102.	1.4	71
346	Title is missing!. Reaction Kinetics and Catalysis Letters, 2003, 78, 99-105.	0.6	2
347	The nature of surface species on modified Pt-based catalysts for the SCR of NO by C3H6 under lean-burn condition. Korean Journal of Chemical Engineering, 2003, 20, 32-38.	1.2	5
348	Probability of chain growth in coke formation on metals and on supports during catalytic reforming over Pt, Pt-Sn and Pt-Sn-K catalysts mixed physically with Al2O3. Korean Journal of Chemical Engineering, 2003, 20, 1017-1022.	1.2	14
349	Carbon deposits effects on the selective catalytic reduction of NO over zeolites using temperature programmed oxidation technique. Applied Catalysis B: Environmental, 2003, 43, 1-12.	10.8	26
350	Influence of synthesis conditions on the preparation of zirconia powder by the glycothermal method. Ceramics International, 2003, 29, 807-814.	2.3	36
351	Simulation of pervaporation membrane reactors for liquid phase synthesis of ethyl tert-butyl ether from tert-butyl alcohol and ethanol. Catalysis Today, 2003, 79-80, 249-257.	2.2	34
352	The influence of Siâ€“Oâ€“Zr bonds on the crystal-growth inhibition of zirconia prepared by the glycothermal method. Journal of Materials Processing Technology, 2003, 136, 186-189.	3.1	79
353	Synthesis of thermally stable micro spherical ï‡-alumina by thermal decomposition of aluminum isopropoxide in mineral oil. Inorganic Chemistry Communication, 2003, 6, 930-934.	1.8	45
354	Simulation of membrane microreactor for fuel cell with methane feed. Catalysis Today, 2003, 82, 223-232.	2.2	10
355	New Correlation for the Effects of the Crystallite Size and Calcination Temperature on the Single Iron Oxide Nanocrystallites. Crystal Growth and Design, 2003, 3, 215-219.	1.4	17
356	Effects of TMA and MAO on Ethyleneâ€“Propylene Copolymer Using Supported Zirconocene Catalysts. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 181-192.	1.2	6
357	Effect of crystallite size and calcination temperature on the thermal stability of single nanocrystalline chromium oxide: expressed by novel correlation. Materials Research Innovations, 2003, 7, 118-123.	1.0	7
358	Simulation of a Palladium Membrane Reactor for Dehydrogenation of Ethylbenzene.. Journal of Chemical Engineering of Japan, 2002, 35, 263-273.	0.3	30
359	A Pervaporation Membrane Reactor for Liquid Phase Synthesis of Ethyl tert-Butyl Ether from tert-Butyl Alcohol and Ethanol.. Journal of Chemical Engineering of Japan, 2002, 35, 547-556.	0.3	25
360	Effect of crystal size on the durability of Co/HZSM-5 in selective catalytic reduction of NO by methane. Catalysis Communications, 2002, 3, 191-197.	1.6	12

#	Article	IF	Citations
361	Copolymerization of Ethylene and Propylene Using Silicon Tetrachloride-Modified Silica/MAO with Et[Ind]2ZrCl2 Metallocene Catalyst. Macromolecular Rapid Communications, 2002, 23, 672-675.	2.0	17
362	Effect of the pretreatment with oxygen and/or oxygen-containing compounds on the catalytic performance of Pd-Ag/Al2O3 for acetylene hydrogenation. Applied Catalysis A: General, 2002, 230, 41-51.	2.2	52
363	Synthesis of large-surface area silica-modified zirconia by the glycothermal method. Journal of Materials Science Letters, 2002, 21, 1461-1464.	0.5	5
364	Cooperative Effect of Platinum and Alumina on Catalyst Deactivation for Dehydrogenation Reaction. Reaction Kinetics and Catalysis Letters, 2001, 72, 125-131.	0.6	2
365	Kinetics for Dehydrogenation of Propane on Pt-Sn-K/.GAMMA.-Al2O3 Catalyst.. Journal of Chemical Engineering of Japan, 2000, 33, 529-532.	0.3	13
366	Selective Oxidation of Ethanol and 1-Propanol over Vâ€“Mgâ€“O/TiO2Catalyst. Chemistry Letters, 2000, 29, 968-969.	0.7	6
367	Transient study of the effect of residual cations in Cu/ZSM-5 for SCR of NO by hydrocarbon. Chemical Engineering Science, 2000, 55, 2249-2256.	1.9	7
368	Activation of acetylene selective hydrogenation catalysts using oxygen containing compounds. Catalysis Today, 2000, 63, 209-213.	2.2	22
369	Effect of organic solvents on the thermal stability of porous silica-modified alumina powders prepared via one pot solvothermal synthesis. Inorganic Chemistry Communication, 2000, 3, 671-676.	1.8	20
370	The effect of direction of hydrogen permeation on the rate through a composite palladium membrane. Journal of Membrane Science, 2000, 175, 19-24.	4.1	38
371	Activation of Pd-Ag Catalyst for Selective Hydrogenation of Acetylene via Nitrous Oxide Addition. Reaction Kinetics and Catalysis Letters, 2000, 70, 125-131.	0.6	5
372	Isomerization of n-Hexane Over Platinum Ion-Exchanged Zeolite Beta. Reaction Kinetics and Catalysis Letters, 2000, 71, 281-287.	0.6	9
373	Aromatization of light paraffins over Ga-containing MFI-type catalyst. Korean Journal of Chemical Engineering, 2000, 17, 409-413.	1.2	10
374	Influence of Fe or Zn loading method on toluene methylation over MFI-type zeolite catalysts. Korean Journal of Chemical Engineering, 2000, 17, 414-419.	1.2	4
375	Deactivation of the metal and acidic functions for Pt, Pt-Sn and Pt-Sn-K using physically mixed catalysts. Korean Journal of Chemical Engineering, 2000, 17, 548-552.	1.2	13
376	Dependence of Hydrogen Pressure on the Permeation Rate through Composite Palladium Membranes.. Journal of Chemical Engineering of Japan, 2000, 33, 330-333.	0.3	3
377	Methanol conversion to hydrocarbons on novel vanadosilicate catalysts. Applied Catalysis, 1985, 18, 311-324.	1.1	41
378	Characterization of single-phase flow hydrodynamics in a Berty reactor using computational fluid dynamics (CFD). Reaction Chemistry and Engineering, 0, , .	1.9	1