Joongjai Panpranot

List of Publications by Year
in descending order

170 papers	4,437 citations	109321 35 h-index	144013 57 g-index
171 all docs	171 docs citations	171 times ranked	5041 citing authors

#	Article	IF	Citations
1	CuAl2O4â€“CuOâ€“Al2O3 catalysts prepared by flame-spray pyrolysis for glycerol hydrogenolysis. Molecular Catalysis, 2022, 523, 111426.	2.0	8
2	Growing 3D-nanostructured carbon allotropes from CO2 at room temperature under the dynamic CO2 electrochemical reduction environment. Carbon, 2022, 187, 241-255.	10.3	10
3	Formation and growth characteristics of nanostructured carbon films on nascent Ag clusters during room-temperature electrochemical CO₂ reduction. Nanoscale Advances, 2022, 4, 2255-2267.	4.6	6
4	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.	3.5	1
5	Sugarcane Bagasse Ash as a Catalyst Support for Facile and Highly Scalable Preparation of Magnetic Fenton Catalysts for Ultra-Highly Efficient Removal of Tetracycline. Catalysts, 2022, 12, 446.	3.5	6
6	Aqueous-phase Selective Hydrogenation of Furfural to Furfuryl Alcohol over Ordered-mesoporous Carbon Supported Pt Catalysts Prepared by One-step Modified Soft-template Self-assembly Method. Journal of Oleo Science, 2022, , .	1.4	0
7	CO2 hydrogenation over FSP-made iron supported on cerium modified alumina catalyst. Catalysis Today, 2021, 375, 307-313.	4.4	6
8	Hydrogen and power generation via integrated bio-oil sorption-enhanced steam reforming and solid oxide fuel cell systems: Economic feasibility analysis. International Journal of Hydrogen Energy, 2021, 46, 11482-11493.	7.1	12
9	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.	4.4	18
10	Development of bimetallic Ni-Cu/SiO2 catalysts for liquid phase selective hydrogenation of furfural to furfuryl alcohol. Catalysis Communications, 2021, 149, 106221.	3.3	38
11	High-temperature flame spray pyrolysis induced stabilization of Pt single-atom catalysts. Applied Catalysis B: Environmental, 2021, 281, 119471.	20.2	85
12	Flame spray-synthesized Pt-Co/TiO2 catalysts for the selective hydrogenation of furfural to furfuryl alcohol. Catalysis Communications, 2021, 149, 106246.	3.3	17
13	Identification of extremely hard coke generation by low-temperature reaction on tungsten catalysts via Operando and in situ techniques. Scientific Reports, 2021, 11, 8071.	3.3	3
14	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.	4.3	14
15	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.	3.3	25
16	Observation of reduction on alkane products in butene cracking over ZSM-5 modified with Fe, Cu, and Ni catalysts. Fuel, 2021, 291, 120265.	6.4	13
17	Effect of the Nanostructured Zn/Cu Electrocatalyst Morphology on the Electrochemical Reduction of CO2 to Value-Added Chemicals. Nanomaterials, 2021, 11, 1671.	4.1	6
18	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.	3.3	5

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19	Porous Electrodeposited Cu as a Potential Electrode for Electrochemical Reduction Reactions of CO2. Applied Sciences (Switzerland), 2021, 11, 11104.	2.5	5
20	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.	4.4	12
21	Effect of preparation method on the Pt-In modified Mg(Al)O catalysts over dehydrogenation of propane. Catalysis Today, 2020, 358, 100-108.	4.4	17
22	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.	4.4	5
23	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.	4.4	11
24	Highly active and stable Ni-incorporated spherical silica catalysts for CO2methanation. Catalysis Today, 2020, 358, 30-36.	4.4	11
25	Preparation of aluminum magnesium oxide by different methods for use as PtSn catalyst supports in propane dehydrogenation. Catalysis Today, 2020, 358, 90-99.	4.4	10
26	Lewis acid transformation to Bronsted acid sites over supported tungsten oxide catalysts containing different surface WOx structures. Catalysis Today, 2020, 358, 354-369.	4.4	20
27	Inhibition effect of Na+ form in ZSM-5 zeolite on hydrogen transfer reaction via 1-butene cracking. Catalysis Today, 2020, 358, 237-245.	4.4	27
28	Differences in acid and catalytic properties of W incorporated spherical SiO2 and 1%Al-doped SiO2 in propene metathesis. Catalysis Today, 2020, , .	4.4	2
29	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.	3.7	4
30	Role of Al in Na-ZSM-5 zeolite structure on catalyst stability in butene cracking reaction. Scientific Reports, 2020, 10, 13643.	3.3	20
31	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.	3.1	10
32	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.	4.1	13
33	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.	4.8	31
34	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.	6.2	19
35	Photocatalytic Liquid-Phase Selective Hydrogenation of 3-Nitrostyrene to 3-vinylaniline of Various Treated-TiO2 Without Use of Reducing Gas. Catalysts, 2019, 9, 329.	3.5	9
36	Catalytic Cracking of Biodiesel Waste Using Metal Supported SBA-15 Mesoporous Catalysts. Catalysts, 2019, 9, 291.	3.5	4

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37	The low temperature selective oxidation of H2S to elemental sulfur on TiO2 supported V2O5 catalysts. Journal of Environmental Chemical Engineering, 2018, 6, 1414-1423.	6.7	38
38	Effect of pretreatment atmosphere of WO_x/SiO₂catalysts on metathesis of ethylene and 2-butene to propylene. RSC Advances, 2018, 8, 11693-11704.	3.6	23
39	Variability of particle configurations achievable by 2-nozzle flame syntheses of the Au-Pd-TiO2 system and their catalytic behaviors in the selective hydrogenation of acetylene. Applied Catalysis A: General, 2018, 549, 1-7.	4.3	31
40	Second metals (Lanthanum, Cerium, and Yttrium) modified W/SiO 2 catalysts for metathesis of ethylene and 2-butene. Catalysis Today, 2018, 309, 43-50.	4.4	1
41	Microstructures and photocatalytic properties of ZnO films fabricated by Zn electrodeposition and heat treatment. Materials Science in Semiconductor Processing, 2018, 74, 232-237.	4.0	22
42	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
43	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.	6.7	26
44	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.	2.8	10
45	Effect of Surface Tungstate W5+ Species on the Metathesis Activity of W-Doped Spherical Silica Catalysts. Topics in Catalysis, 2018, 61, 1615-1623.	2.8	10
46	Electrochemical Evaluation of Corrosion Resistance of Trivalent Chromate Conversion Coatings with Different Organic Additives. ISIJ International, 2018, 58, 1316-1323.	1.4	10
47	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.	3.6	13
48	The H2-Treated TiO2 Supported Pt Catalysts Prepared by Strong Electrostatic Adsorption for Liquid-Phase Selective Hydrogenation. Catalysts, 2018, 8, 87.	3.5	10
49	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.	2.8	19
50	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.	3.6	13
51	Preparation of $$hbox {TiO}_{2}$$ TiO 2 supported Auâ€“Pd and Cuâ€“Pd by the combined strong electrostatic adsorption and electroless deposition for selective hydrogenation of acetylene. Journal of Chemical Sciences, 2017, 129, 1721-1734.	1.5	9
52	Propylsulfonic acid functionalized MCA cubic mesoporous and ZSM-5-MCA composite catalysts for anisole alkylation. Microporous and Mesoporous Materials, 2017, 239, 253-262.	4.4	3
53	Metathesis of Ethylene and Trans-2-Butene over MgO Admixed WO3/SiO2 Catalysts. Engineering Journal, 2017, 21, 1-16.	1.0	2
54	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.	4.3	15

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55	Preparation of improved Agâ€“Pd/TiO₂ catalysts using the combined strong electrostatic adsorption and electroless deposition methods for the selective hydrogenation of acetylene. Catalysis Science and Technology, 2016, 6, 5608-5617.	4.1	32
56	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.	2.7	1
57	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.	1.7	5
58	Metal (Fe, Co, Ni) supported on different aluminas as Fischer-Tropsch catalyst. AIP Conference Proceedings, 2015, , .	0.4	0
59	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.	1.5	4
60	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.	2.6	9
61	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.	4.4	44
62	Effect of reduction temperature on the characteristics and catalytic properties of TiO2 supported AuPd alloy particles prepared by one-step flame spray pyrolysis in the selective hydrogenation of 1-heptyne. Applied Catalysis A: General, 2015, 506, 278-287.	4.3	15
63	Flame-made Pt/TiO2 catalysts for the liquid-phase selective hydrogenation of 3-nitrostyrene. Applied Catalysis A: General, 2015, 490, 193-200.	4.3	17
64	One step synthesis of Ptâ€“Co/TiO2 catalysts by flame spray pyrolysis for the hydrogenation of 3-nitrostyrene. Catalysis Communications, 2015, 61, 11-15.	3.3	24
65	Influence of Crystallite Size of TiO2 Supports on the Activity of Dispersed Pt Catalysts in Liquid-Phase Selective Hydrogenation of 3-Nitrostyrene, Nitrobenzene, and Styrene. Catalysis Letters, 2015, 145, 606-611.	2.6	18
66	The effect of TiO2 particle size on the characteristics of Auâ€“Pd/TiO2 catalysts. Catalysis Communications, 2015, 58, 70-75.	3.3	22
67	Surface functionalized TiO2 supported Pd catalysts for solvent-free selective oxidation of benzyl alcohol. Catalysis Today, 2015, 250, 218-225.	4.4	45
68	Liquid-Phase Hydrogenation of Phenylacetylene Over the Nano-Sized Pd/TiO₂ Catalysts. Journal of Nanoscience and Nanotechnology, 2014, 14, 3170-3175.	0.9	6
69	Improved catalytic performance of Pd/TiO2 in the selective hydrogenation of acetylene by using H2-treated solâ€“gel TiO2. Journal of Molecular Catalysis A, 2014, 383-384, 182-187.	4.8	24
70	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.	5.8	14
71	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.	1.7	7
72	Influence of autogeneous pressure under hydrothermal reaction on the structural and thermal stability of nanostructured titanates. Ceramics International, 2014, 40, 2323-2329.	4.8	2

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73	Liquid phase hydrogenation of phenylacetylene over Pd and PdZn catalysts in toluene: effects of alloying and CO2 pressurization. RSC Advances, 2014, 4, 24922.	3.6	25
74	Comparison of the effects of Ï‡ phase- and Si- modified Î³-Al2O3 supported Pt catalysts in CO oxidation. Catalysis Communications, 2014, 56, 92-95.	3.3	8
75	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.	2.6	12
76	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.	1.7	3
77	NaOH modified WO3/SiO2 catalysts for propylene production from 2-butene and ethylene metathesis. Chinese Journal of Catalysis, 2014, 35, 232-241.	14.0	30
78	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.	1.7	9
79	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.	2.6	12
80	The liquid-phase hydrogenation of 1-heptyne over Pdâ€“Au/TiO 2 catalysts prepared by the combination of incipient wetness impregnation and depositionâ€“precipitation. Journal of Catalysis, 2013, 297, 155-164.	6.2	40
81	Mono- and bi-metallic Auâ€“Pd/TiO2 catalysts synthesized by one-step flame spray pyrolysis for liquid-phase hydrogenation of 1-heptyne. Applied Catalysis A: General, 2013, 467, 132-141.	4.3	22
82	Improvement of early cell adhesion on Thai silk fibroin surface by low energy plasma. Colloids and Surfaces B: Biointerfaces, 2013, 111, 579-586.	5.0	60
83	TRANSESTERIFICATION OF PALM OIL AT NEAR-CRITICAL CONDITIONS USING SULFONATED CARBON-BASED ACID CATALYST. Chemical Engineering Communications, 2013, 200, 1542-1552.	2.6	8
84	Solvothermal-Derived Nanocrystalline TiO₂ Supported Co Catalysts in the Hydrogenation of Carbonmonoxide. Advanced Materials Research, 2013, 634-638, 595-598.	0.3	0
85	CHARACTERISTICS OF ACTIVATED CARBONS DERIVED FROM DEOILED RICE BRAN RESIDUES. Chemical Engineering Communications, 2013, 200, 1309-1321.	2.6	6
86	Characteristics and Catalytic Behavior of Pd Catalysts Supported on Nanostructure Titanate in Liquid-Phase Hydrogenation. Journal of Nanoscience and Nanotechnology, 2013, 13, 3062-3067.	0.9	2
87	Formation of CoAl₂O₄Nanoparticles via Low-Temperature Solid-State Reaction of Fine Gibbsite and Cobalt Precursor. Journal of Nanomaterials, 2012, 2012, 1-8.	2.7	31
88	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.	2.6	11
89	CO2 hydrogenation over Co/Al2O3 catalysts prepared via a solid-state reaction of fine gibbsite and cobalt precursors. Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 179-188.	1.7	35
90	Catalytic performance of ZnO nanoparticle in formation of LLDPE/ZnO nanocomposites. Iranian Polymer Journal (English Edition), 2012, 21, 51-63.	2.4	3

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91	LLDPE/TiO2 nanocomposites produced from different crystallite sizes of TiO2 via in situ polymerization. Science Bulletin, 2012, 57, 2177-2184.	1.7	3
92	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
93	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
94	Zirconia Modification on Nanocrystalline Titania-Supported Cobalt Catalysts for Methanation. Engineering Journal, 2012, 16, 29-38.	1.0	1
95	Effects of Co dopants and flame conditions on the formation of Co/ZrO2 nanoparticles by flame spray pyrolysis and their catalytic properties in CO hydrogenation. Catalysis Communications, 2011, 12, 917-922.	3.3	14
96	Geometrical confinement effect in the liquid-phase semihydrogenation of phenylacetylene over mesostructured silica supported Pd catalysts. Catalysis Communications, 2011, 12, 910-916.	3.3	28
97	Flame sprayed tri-metallic Ptâ€“Snâ€“X/Al2O3 catalysts (X = Ce, Zn, and K) for propane dehydration. Catalysis Communications, 2011, 12, 1161-1165.	3.3	10
98	Characteristics and Catalytic Properties of Mesocellular Foam Silica Supported Pd Nanoparticles in the Liquid-Phase Selective Hydrogenation of Phenylacetylene. Catalysis Letters, 2011, 141, 1149-1155.	2.6	25
99	Characteristics and catalytic properties of La-modified ZrO2 supported cobalt catalysts in CO hydrogenation. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 367-378.	1.7	1
100	Effects of impregnation solvent and reduction temperature on the catalytic performance of Pd/Al2O3 in the selective hydrogenation of 1,3-butadiene. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 405-417.	1.7	7
101	Synthesis of LLDPE/TiO2 nanocomposites by in situ polymerization with zirconocene/dMMAO catalyst: effect of [Al]/[Zr] ratios and TiO2 phases. Polymer Bulletin, 2011, 66, 479-490.	3.3	13
102	Selective hydrogenation of 1,3-butadiene over Pd and Pdâ€“Sn catalysts supported on different phases of alumina. Catalysis Today, 2011, 164, 28-33.	4.4	67
103	Effect of nanocrystalline Ï‡-Al2O3 structure on the catalytic behavior of Co/Al2O3 in CO hydrogenation. Catalysis Today, 2011, 164, 302-307.	4.4	17
104	Influence of flame conditions on the dispersion of Pd on the flame spray-derived Pd/TiO2 nanoparticles. Powder Technology, 2011, 210, 328-331.	4.2	16
105	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.	5.8	27
106	Liquid-Phase Selective Hydrogenation of 1-Heptyne over Pd/TiO2 Catalyst Synthesized by One-Step Flame Spray Pyrolysis. Catalysis Letters, 2010, 136, 164-170.	2.6	16
107	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.	1.7	6
108	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.	2.6	18

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109	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.	4.3	59
110	Transesterification of palm oil and esterification of palm fatty acid in near- and super-critical methanol with SO4â€“ZrO2 catalysts. Fuel, 2010, 89, 2387-2392.	6.4	60
111	Effects of synthesis conditions and annealing post-treatment on the photocatalytic activities of ZnO nanoparticles in the degradation of methylene blue dye. Chemical Engineering Journal, 2010, 164, 77-84.	12.7	131
112	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.	4.8	9
113	Effect of Milling on the Formation of Nanocrystalline Ï‡â€Al₂O₃ from Gibbsite. Journal of the American Ceramic Society, 2010, 93, 3377-3383.	3.8	8
114	Application of Sulfonated Carbon-Based Catalyst for Reactive Extraction of 1,3-Propanediol from Model Fermentation Mixture. Industrial & Engineering Chemistry Research, 2010, 49, 12352-12357.	3.7	23
115	Elucidation of the basicity dependence of 1-butene isomerization on MgO/Mg(OH)2 catalysts. Catalysis Communications, 2010, 12, 80-85.	3.3	50
116	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.	3.3	29
117	The effect of phosphorous precursor on the CO oxidation activity of P-modified TiO2 supported Ag catalysts. Catalysis Communications, 2010, 11, 1238-1243.	3.3	23
118	Effects of pH and pore characters of mesoporous silicas on horseradish peroxidase immobilization. Journal of Molecular Catalysis B: Enzymatic, 2009, 56, 246-252.	1.8	68
119	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.	6.2	118
120	Effect of TiO2 Crystallite Size on the Activity of CO Oxidation. Catalysis Letters, 2009, 133, 76-83.	2.6	12
121	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.	5.8	6
122	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.	4.3	58
123	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.	3.7	16
124	Synthesis of Auâ€“ZnO and Ptâ€“ZnO nanocomposites by one-step flame spray pyrolysis and its application for photocatalytic degradation of dyes. Catalysis Communications, 2009, 10, 1380-1385.	3.3	179
125	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
126	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.	3.7	37

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127	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.	2.6	18
128	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
129	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
130	Characterization of cobalt dispersed on the mixed nanoscale alumina and zirconia supports. Journal of Materials Processing Technology, 2008, 206, 352-358.	6.3	12
131	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.	4.4	35
132	Effect of quenching medium on photocatalytic activity of nano-TiO2 prepared by solvothermal method. Chemical Engineering Journal, 2008, 138, 622-627.	12.7	42
133	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.	4.0	20
134	Effect of mixed Î³- and Ï‡-crystalline phases in nanocrystalline Al2O3 on the dispersion of cobalt on Al2O3. Catalysis Communications, 2008, 9, 207-212.	3.3	21
135	Dehydration of methanol to dimethyl ether over nanocrystalline Al2O3 with mixed Î³- and Ï‡-crystalline phases. Catalysis Communications, 2008, 9, 1955-1958.	3.3	67
136	Selective hydrogenation of acetylene over Pd catalysts supported on nanocrystalline Î±-Al2O3 and Zn-modified Î±-Al2O3. Catalysis Communications, 2008, 9, 2297-2302.	3.3	52
137	Improvement of Pd/Al2O3 catalyst performance in selective acetylene hydrogenation using mixed phases Al2O3 support. Catalysis Communications, 2008, 10, 86-91.	3.3	66
138	Dependence of Quenching Process on the Photocatalytic Activity of Solvothermal-Derived TiO₂ with Various Crystallite Sizes. Industrial & Engineering Chemistry Research, 2008, 47, 693-697.	3.7	25
139	Effect of Ag addition on the properties of Pdâ€“Ag/TiO2 catalysts containing different TiO2 crystalline phases. Catalysis Communications, 2007, 8, 2166-2170.	3.3	38
140	Copper-modified alumina as a support for iron Fischerâ€“Tropsch synthesis catalysts. Applied Catalysis A: General, 2007, 332, 130-137.	4.3	32
141	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
142	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.	2.6	44
143	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
144	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

#	Article	IF	Citations
145	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.	2.6	43
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