

Piyasan Prasertthdam

List of Publications by Year in descending order

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378
papers

7,914
citations

66336

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all docs

382
docs citations

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8730
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of nonmetals (B, O, P, and S) doped with porous g-C ₃ N ₄ for improved electron transfer towards photocatalytic CO ₂ reduction with water into CH ₄ . Chemosphere, 2022, 286, 131765.	8.2	74
2	Growing 3D-nanostructured carbon allotropes from CO ₂ at room temperature under the dynamic CO ₂ electrochemical reduction environment. Carbon, 2022, 187, 241-255.	10.3	10
3	Enhanced stability of Ti-containing silica catalysts for biodiesel epoxidation with hydrogen peroxide: Presence of strong metal-support interactions for alleviating permanent deactivation. Fuel, 2022, 314, 122736.	6.4	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.	1.4	5
5	Single-step fabrication of highly stable amorphous TiO ₂ nanotubes arrays (am-TNTA) for stimulating gas-phase photoreduction of CO ₂ to methane. Chemosphere, 2022, 289, 133170.	8.2	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.	2.7	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.	5.2	11
8	Experimental and DFT investigations of the performance of ZrO ₂ catalysts modified with Ce, La, Y, Mg, and Ba oxides during methyl stearate ketonization. Applied Surface Science, 2022, 585, 152627.	6.1	5
9	Formation and growth characteristics of nanostructured carbon films on nascent Ag clusters during room-temperature electrochemical CO ₂ reduction. Nanoscale Advances, 2022, 4, 2255-2267.	4.6	6
10	On a high photocatalytic activity of high-noble alloys Au-Ag/TiO ₂ catalysts during oxygen evolution reaction of water oxidation. Scientific Reports, 2022, 12, 2604.	3.3	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.	3.5	1
12	Role of Cr on Cu-Cr catalyst via direct ethanol dehydrogenation to ethyl acetate. Journal of Environmental Chemical Engineering, 2022, 10, 107542.	6.7	8
13	A key role of soft and refractory coke in the deactivation of γ-Al ₂ O ₃ catalysts during low-temperature methyl oleate epoxidation: An experiment and DFT study. Fuel, 2022, 321, 124064.	6.4	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.	8.2	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.	8.2	14
16	Photooxidation and Virus Inactivation using TiO ₂ (P25)-SiO ₂ Coated PET Film. Bulletin of Chemical Reaction Engineering and Catalysis, 2022, 17, 508-519.	1.1	2
17	Differences in Deterioration Behaviors of Cu/ZnO/Al ₂ O ₃ Catalysts with Different Cu Contents toward Hydrogenation of CO and CO ₂ . ACS Omega, 2022, 7, 25783-25797.	3.5	6
18	Experimental and DFT investigations on enhanced stability found on Re-, Rh-, and Nb-promoted Pt/WO _x /γ-Al ₂ O ₃ catalyst during aqueous-phase glycerol hydrogenolysis. Fuel, 2022, 326, 125019.	6.4	6

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19	Thermally double coupled reactor coupling aqueous phase glycerol reforming and methanol synthesis. <i>Catalysis Today</i> , 2021, 375, 181-190.	4.4	10
20	CO ₂ hydrogenation over FSP-made iron supported on cerium modified alumina catalyst. <i>Catalysis Today</i> , 2021, 375, 307-313.	4.4	6
21	The key to catalytic stability on sol-gel derived SnO _x /SiO ₂ catalyst and the comparative study of side reaction with K-PtSn/Al ₂ O ₃ toward propane dehydrogenation. <i>Catalysis Today</i> , 2021, 375, 343-351.	4.4	18
22	Design of hybrid pellet catalysts of WO ₃ /Si-Al and PtIn/hydrotalcite via dehydrogenation and metathesis reactions for production of olefins from propane. <i>Chemical Engineering Science</i> , 2021, 229, 116025.	3.8	6
23	A closer look inside TiO ₂ (P25) photocatalytic CO ₂ /HCO ₃ ²⁻ reduction with water. Methane rate and selectivity enhancements. <i>Chemical Engineering Journal</i> , 2021, 409, 128141.	12.7	17
24	Carbon dioxide reduction to synthetic fuel on zirconia supported copper-based catalysts and gibbs free energy minimization: Methanol and dimethyl ether synthesis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104979.	6.7	9
25	Deactivating and Non-Deactivating Coking Found on Ni-Based Catalysts during Combined Steam-Dry Reforming of Methane. <i>Topics in Catalysis</i> , 2021, 64, 357-370.	2.8	8
26	Identification of extremely hard coke generation by low-temperature reaction on tungsten catalysts via Operando and in situ techniques. <i>Scientific Reports</i> , 2021, 11, 8071.	3.3	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. <i>Applied Catalysis A: General</i> , 2021, 615, 118053.	4.3	14
28	Effects of TiO ₂ structure and Co addition as a second metal on Ru-based catalysts supported on TiO ₂ for selective hydrogenation of furfural to FA. <i>Scientific Reports</i> , 2021, 11, 9786.	3.3	25
29	Observation of reduction on alkane products in butene cracking over ZSM-5 modified with Fe, Cu, and Ni catalysts. <i>Fuel</i> , 2021, 291, 120265.	6.4	13
30	Effect of the Nanostructured Zn/Cu Electrocatalyst Morphology on the Electrochemical Reduction of CO ₂ to Value-Added Chemicals. <i>Nanomaterials</i> , 2021, 11, 1671.	4.1	6
31	Study of deactivation in mesocellular foam carbon (MCF-C) catalyst used in gas-phase dehydrogenation of ethanol. <i>Scientific Reports</i> , 2021, 11, 11683.	3.3	5
32	On the deactivation mechanisms of MnO ₂ electrocatalyst during operation in rechargeable zinc-air batteries studied via density functional theory. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159280.	5.5	17
33	Comparative study on the effect of different copper loading on catalytic behaviors and activity of Cu/ZnO/Al ₂ O ₃ catalysts toward CO and CO ₂ hydrogenation. <i>Heliyon</i> , 2021, 7, e07682.	3.2	13
34	Development of a New Ternary Al ₂ O ₃ -HAP-Pd Catalyst for Diethyl Ether and Ethylene Production Using the Preferential Dehydration of Ethanol. <i>ACS Omega</i> , 2021, 6, 19911-19923.	3.5	11
35	Sequential electrodeposition of Cu-Pt bimetallic nanocatalysts on boron-doped diamond electrodes for the simple and rapid detection of methanol. <i>Scientific Reports</i> , 2021, 11, 14354.	3.3	5
36	Recent developments on bismuth oxyhalides (BiOX; X = Cl, Br, I) based ternary nanocomposite photocatalysts for environmental applications. <i>Chemosphere</i> , 2021, 282, 131054.	8.2	87

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37	Elucidation of Pd modification effect on catalytic behaviors of γ -Al ₂ O ₃ -P catalysts toward ethanol dehydration and dehydrogenation. <i>Catalysis Communications</i> , 2021, 148, 106169.	3.3	16
38	Experimental and computational investigation on underlying factors promoting high coke resistance in NiCo bimetallic catalysts during dry reforming of methane. <i>Scientific Reports</i> , 2021, 11, 519.	3.3	14
39	Experimental and computational study on roles of WO _x promoting strong metal support promoter interaction in Pt catalysts during glycerol hydrogenolysis. <i>Scientific Reports</i> , 2021, 11, 530.	3.3	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. <i>Applied Catalysis A: General</i> , 2021, 628, 118405.	4.3	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. <i>Bioresource Technology Reports</i> , 2021, 16, 100855.	2.7	2
42	Porous Electrodeposited Cu as a Potential Electrode for Electrochemical Reduction Reactions of CO ₂ . <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11104.	2.5	5
43	Hydrogen activated WO _x -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. <i>Catalysis Today</i> , 2020, 358, 370-386.	4.4	12
44	Effect of preparation method on the Pt-In modified Mg(Al)O catalysts over dehydrogenation of propane. <i>Catalysis Today</i> , 2020, 358, 100-108.	4.4	17
45	Influence of acidity on the performance of silica supported tungsten oxide catalysts assessed by in situ and Operando DRIFTS. <i>Catalysis Today</i> , 2020, 358, 345-353.	4.4	5
46	Deposition of Pt nanoparticles on TiO ₂ by pulsed direct current magnetron sputtering for selective hydrogenation of vanillin to vanillyl alcohol. <i>Catalysis Today</i> , 2020, 358, 51-59.	4.4	11
47	Highly active and stable Ni-incorporated spherical silica catalysts for CO ₂ methanation. <i>Catalysis Today</i> , 2020, 358, 30-36.	4.4	11
48	Preparation of aluminum magnesium oxide by different methods for use as PtSn catalyst supports in propane dehydrogenation. <i>Catalysis Today</i> , 2020, 358, 90-99.	4.4	10
49	Lewis acid transformation to Bronsted acid sites over supported tungsten oxide catalysts containing different surface WO _x structures. <i>Catalysis Today</i> , 2020, 358, 354-369.	4.4	20
50	Inhibition effect of Na ⁺ form in ZSM-5 zeolite on hydrogen transfer reaction via 1-butene cracking. <i>Catalysis Today</i> , 2020, 358, 237-245.	4.4	27
51	Effect of different phase composition in titania on catalytic behaviors of AgLi/TiO ₂ catalysts via ethanol dehydrogenation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103547.	6.7	10
52	Differences in acid and catalytic properties of W incorporated spherical SiO ₂ and 1%Al-doped SiO ₂ in propene metathesis. <i>Catalysis Today</i> , 2020, , .	4.4	2
53	Influence of surface Sn species and hydrogen interactions on the OH group formation over spherical silica-supported tin oxide catalysts. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1814-1823.	3.7	4
54	Role of Al in Na-ZSM-5 zeolite structure on catalyst stability in butene cracking reaction. <i>Scientific Reports</i> , 2020, 10, 13643.	3.3	20

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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.	3.6	5
56	Performance controlled via surface oxygen-vacancy in Ti-based oxide catalyst during methyl oleate epoxidation. Scientific Reports, 2020, 10, 18952.	3.3	27
57	Active Site Formation in WO ₃ /SiO ₂ Supported on Spherical Silica Catalysts for Lewis Acid Transformation to Brønsted Acid Activity. Journal of Physical Chemistry C, 2020, 124, 15935-15943.	3.1	10
58	Acidic nanomaterials (TiO ₂ , ZrO ₂ , and Al ₂ O ₃) are coke storage components that reduce the deactivation of the Pt-Sn/Al ₂ O ₃ catalyst in propane dehydrogenation. Catalysis Science and Technology, 2020, 10, 5100-5112.	4.1	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.	6.7	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.	3.3	10
61	Catalyst pellet design of WO ₃ /Si-Al and hydrotalcite binder for propylene self-metathesis. Catalysis Today, 2020, 358, 74-89.	4.4	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.	2.4	4
63	Facile Investigation of Ti ³⁺ 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.	1.1	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.	0.7	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.	0.6	1
66	Production of Acetaldehyde via Oxidative Dehydrogenation of Ethanol over AgLi/SiO ₂ Catalysts. Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 714-725.	1.1	2
67	Synthesis of Cu/TiO ₂ catalysts by reactive magnetron sputtering deposition and its application for photocatalytic reduction of CO ₂ and H ₂ O to CH ₄ . Ceramics International, 2019, 45, 22961-22971.	4.8	31
68	Formation of isolated tungstate sites on hierarchical structured SiO ₂ - and HY zeolite-supported WO _x catalysts for propene metathesis. Journal of Catalysis, 2019, 376, 150-160.	6.2	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.	1.4	6
70	Dehydrogenation of Ethanol to Acetaldehyde over Different Metals Supported on Carbon Catalysts. Catalysts, 2019, 9, 66.	3.5	45
71	Photocatalytic Liquid-Phase Selective Hydrogenation of 3-Nitrostyrene to 3-vinylaniline of Various Treated-TiO ₂ Without Use of Reducing Gas. Catalysts, 2019, 9, 329.	3.5	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.	1.3	1

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73	Catalytic Cracking of Biodiesel Waste Using Metal Supported SBA-15 Mesoporous Catalysts. Catalysts, 2019, 9, 291.	3.5	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.	1.4	21
75	Ethanol Dehydrogenation to Acetaldehyde over Activated Carbons-Derived from Coffee Residue. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 268.	1.1	9
76	Observation of Increased Dispersion of Pt and Mobility of Oxygen in Pt/g-Al ₂ O ₃ Catalyst with La Modification in CO Oxidation. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 579-585.	1.1	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.	4.0	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.	3.5	42
79	The low temperature selective oxidation of H ₂ S to elemental sulfur on TiO ₂ supported V ₂ O ₅ catalysts. Journal of Environmental Chemical Engineering, 2018, 6, 1414-1423.	6.7	38
80	Effect of pretreatment atmosphere of WO _x /SiO ₂ catalysts on metathesis of ethylene and 2-butene to propylene. RSC Advances, 2018, 8, 11693-11704.	3.6	23
81	Influence of Hydrogen on Catalytic Properties of Ziegler-Natta Catalysts Prepared by Different Methods in Ethylene Polymerization. Advances in Polymer Technology, 2018, 37, 1035-1040.	1.7	5
82	Hydrogen effects in TiCl ₄ /MgCl ₂ /THF catalysts with second Lewis acid addition on ethylene polymerization behaviors. Polymer Bulletin, 2018, 75, 3211-3226.	3.3	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.	4.4	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 VO _x /SBA-15 catalysts. Journal of Environmental Chemical Engineering, 2018, 6, 6516-6529.	6.7	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.	3.5	13
87	Effect of transition metal dopants (M= Nb, La, Zr, and Y) on the M-TiO ₂ supported V ₂ O ₅ catalysts in the selective oxidation of H ₂ S to elemental sulfur. Journal of Environmental Chemical Engineering, 2018, 6, 5655-5661.	6.7	26
88	Binding TiO ₂ nanoparticles to forward osmosis membranes via MEMO-PMMA-Br monomer chains for enhanced filtration and antifouling performance. RSC Advances, 2018, 8, 19024-19033.	3.6	16
89	Comparative Study of Lewis Acid Transformation on Non-reducible and Reducible Oxides Under Hydrogen Atmosphere by In Situ DRIFTS of Adsorbed NH ₃ . Topics in Catalysis, 2018, 61, 1641-1652.	2.8	10
90	Effect of Surface Tungstate W ⁵⁺ Species on the Metathesis Activity of W-Doped Spherical Silica Catalysts. Topics in Catalysis, 2018, 61, 1615-1623.	2.8	10

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91	Effects of calcination and pretreatment temperatures on the catalytic activity and stability of H ₂ -treated WO ₃ /SiO ₂ catalysts in metathesis of ethylene and 2-butene. RSC Advances, 2018, 8, 28555-28568.	3.6	13
92	The H ₂ -Treated TiO ₂ Supported Pt Catalysts Prepared by Strong Electrostatic Adsorption for Liquid-Phase Selective Hydrogenation. Catalysts, 2018, 8, 87.	3.5	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.	2.8	19
94	Impact of AlCl ₃ and FeCl ₂ Addition on Catalytic Behaviors of TiCl ₄ /MgCl ₂ /THF Catalysts for Ethylene Polymerization and Ethylene/1-Hexene Copolymerization. Bulletin of Chemical Reaction Engineering and Catalysis, 2018, 13, 393.	1.1	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.	6.7	16
96	Effect of substrate temperature on self-assisted GaAs nanowires grown by Molecular Beam Epitaxy on GaAs (111)B substrates without SiO ₂ layer. Journal of Crystal Growth, 2017, 477, 217-220.	1.5	0
97	Effect of Surfactant Addition During Polymerization on Properties of PEDOT:PSS for Electronic Applications. Journal of Electronic Materials, 2017, 46, 6709-6716.	2.2	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.	3.6	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.	4.0	15
100	One-step synthesis of amine-functionalized TiO ₂ surface for photocatalytic decolorization under visible light irradiation. Journal of Industrial and Engineering Chemistry, 2017, 45, 229-236.	5.8	37
101	Deposition of Visible Light-Active C-Doped Titania Films via Magnetron Sputtering Using CO ₂ as a Source of Carbon. Nanomaterials, 2017, 7, 113.	4.1	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.	1.4	32
103	A Comparative Study of AlCl ₃ and FeCl ₂ -Modified TiCl ₄ /MgCl ₂ /THF Catalytic System in the Presence of Hydrogen for Ethylene Polymerization. International Journal of Polymer Science, 2016, 2016, 1-9.	2.7	1
104	Influence of diaminobenzoyl- ϵ -functionalized multiwalled carbon nanotubes on the nonisothermal curing kinetics, dynamic mechanical properties, and thermal conductivity of epoxy- ϵ -anhydride composites. Journal of Applied Polymer Science, 2016, 133, .	2.6	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.	2.3	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.	5.2	11
107	Comparison of physically mixed and separated MgO and WO ₃ /SiO ₂ catalyst for propylene production via 1-butene metathesis. Korean Journal of Chemical Engineering, 2016, 33, 2842-2848.	2.7	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.	2.4	7

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109	Effects of size and shape of dispersed poly(butylene terephthalate) on isothermal crystallization kinetics and morphology of poly(lactic acid) blends. <i>Polymer Engineering and Science</i> , 2016, 56, 258-268.	3.1	20
110	Enhanced metathesis activity of low loading Re ₂ O ₇ /Al ₂ O ₃ catalysts for propylene production by using aluminum nitrate as Al ₂ O ₃ precursor. <i>Applied Catalysis A: General</i> , 2016, 517, 39-46.	4.3	15
111	Ethylene and mixed 2-butene cis/trans isomers metathesis: Influence of lanthanum as a second metal on the WO ₃ /SiO ₂ catalysts. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 140-146.	2.7	1
112	Tuning Pt dispersion and oxygen mobility of Pt/γ-Al ₂ O ₃ by Si addition for CO oxidation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 117, 565-581.	1.7	5
113	Effect of N ₂ pretreatment on the basicity, structural change, and isomerization activity of MgO and MgO/Mg(OH) ₂ catalysts. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2015, 10, 248-258.	1.5	4
114	A Comparative Study of Solvothermal and Sol-Gel-Derived Nanocrystalline Alumina Catalysts for Ethanol Dehydration. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-11.	2.7	24
115	Modification of Green Calcium Oxide and Characteristics for Clean Energy Catalysts. <i>Energy Procedia</i> , 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. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	22
117	Electrical conductivity enhancement of spin-coated PEDOT:PSS thin film via dipping method in low concentration aqueous DMSO. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	34
118	The suppression of a basic nitrogen compound influence on hydrodesulfurization activity of dibenzothiophene in treated diesel over Al ₂ O ₃ supported CoMo catalysts by ZrO ₂ as a secondary support. <i>Catalysis Communications</i> , 2015, 62, 89-94.	3.3	13
119	Impact of calcination atmospheres on the physiochemical and photocatalytic properties of nanocrystalline TiO ₂ and Si-doped TiO ₂ . <i>Ceramics International</i> , 2015, 41, 11409-11417.	4.8	29
120	Effect of Dispersion of the Active Phase on the Activity and Coke Formation over WO ₃ /SiO ₂ Catalysts in the Metathesis of Ethylene and 2-Butene. <i>Catalysis Letters</i> , 2015, 145, 1868-1875.	2.6	9
121	Preparation of super-microporous WO ₃ –SiO ₂ olefin metathesis catalysts by the aerosol-assisted sol-gel process. <i>Microporous and Mesoporous Materials</i> , 2015, 213, 125-133.	4.4	46
122	Effect of surface Ti ³⁺ on the sol-gel derived TiO ₂ in the selective acetylene hydrogenation on Pd/TiO ₂ catalysts. <i>Catalysis Today</i> , 2015, 245, 134-138.	4.4	44
123	A Comparison of Different A-, A-B-, and B-Site Incorporated in (Ba _{0.5} Sr _{0.5})TiO ₃ on Photocatalytic Application. <i>Advances in Optical Technologies</i> , 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/Al ₂ O ₃ . <i>ASEAN Journal of Chemical Engineering</i> , 2015, 15, 62.	0.5	4
125	Effects of Various Mixed Metal Chlorides- AlCl ₃ in TiCl ₄ /MgCl ₂ /THF Catalytic System on Ethylene Polymerization. <i>ASEAN Journal of Chemical Engineering</i> , 2015, 14, 12.	0.5	1
126	Desorption of Water from Distinct Step Types on a Curved Silver Crystal. <i>Molecules</i> , 2014, 19, 10845-10862.	3.8	19

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127	Effect of Na Content on the Physical Properties of Ba _{0.5} Sr _{0.5} TiO ₃ Powders. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-7.	1.8	3
128	Liquid-Phase Hydrogenation of Phenylacetylene Over the Nano-Sized Pd/TiO ₂ Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3170-3175.	0.9	6
129	Synthesis of well dispersed graphene in conjugated poly(3,4-ethylenedioxythiophene):polystyrene sulfonate via click chemistry. <i>Composites Science and Technology</i> , 2014, 93, 1-8.	7.8	44
130	Effect of carbon-dopant on the optical band gap and photoluminescence properties of [Ba _{0.5} Sr _{0.5}]TiO ₃ powders synthesized by the sol-gel process. <i>Journal of Luminescence</i> , 2014, 145, 919-924.	3.1	5
131	Influence of preparation method on the catalytic performances of Re ₂ O ₇ /SiO ₂ -Al ₂ O ₃ catalysts in the metathesis of ethylene and 2-pentene. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 145-152.	5.8	14
132	Pd/TiO ₂ catalysts prepared by electroless deposition with and without SnCl ₂ sensitization for the liquid-phase hydrogenation of 3-hexyn-1-ol. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 111, 123-135.	1.7	7
133	WO ₃ -based catalysts prepared by non-hydrolytic sol-gel for the production of propene by cross-metathesis of ethene and 2-butene. <i>Applied Catalysis A: General</i> , 2014, 488, 200-207.	4.3	36
134	Comparison of the effects of F phase- and Si- modified γ -Al ₂ O ₃ supported Pt catalysts in CO oxidation. <i>Catalysis Communications</i> , 2014, 56, 92-95.	3.3	8
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