Yan-Ji Wang

List of Publications by Year
in descending order

111	1,315	394421	454955
papers	citations	19 h-index	30 g-index

111	111	111	1359
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	H₃PW₁₂O₄₀/mpg-C₃N₄ as an efficient and reusable bifunctional catalyst in one-pot oxidationâ€“Knoevenagel condensation tandem reaction. Catalysis Science and Technology, 2017, 7, 405-417.	4.1	66
2	A novel bifunctional Pdâ€“ZIF-8/rGO catalyst with spatially separated active sites for the tandem Knoevenagel condensationâ€“reduction reaction. Catalysis Science and Technology, 2017, 7, 5572-5584.	4.1	60
3	Synthesis of Propylene Carbonate from Carbon Dioxide and 1,2-Propylene Glycol over Zinc Acetate Catalyst. Industrial & Engineering Chemistry Research, 2008, 47, 1365-1369.	3.7	51
4	Europium complexes immobilization on titania via chemical modification of titanium alkoxide. Journal of Materials Chemistry, 2008, 18, 735.	6.7	50
5	DFT study on the adsorption and dissociation of H₂S on CuO(111) surface. RSC Advances, 2015, 5, 21806-21811.	3.6	50
6	Synthesis of Propylene Carbonate from Urea and 1,2-Propylene Glycol over a Zinc Acetate Catalyst. Industrial & Engineering Chemistry Research, 2004, 43, 4038-4042.	3.7	49
7	Direct synthesis of 2-ethylhexanol via n-butanal aldol condensationâ€“hydrogenation reaction integration over a Ni/Ce-Al₂O₃ bifunctional catalyst. Green Chemistry, 2015, 17, 2959-2972.	9.0	47
8	Synergistic Binary Feâ€“Co Nanocluster Supported on Defective Tungsten Oxide as Efficient Oxygen Reduction Electrocatalyst in Zincâ€Air Battery. Advanced Science, 2022, 9, e2104237.	11.2	39
9	Highly efficient catalyst PdCl2â€“CuCl2â€“KOAc/AC@Al2O3 for gas-phase oxidative carbonylation of methanol to dimethyl carbonate: Preparation and reaction mechanism. Chemical Engineering Journal, 2014, 240, 221-227.	12.7	38
10	Synthesis of pâ€aminophenol from the hydrogenation of nitrobenzene over metalâ€“solid acid bifunctional catalyst. Journal of Chemical Technology and Biotechnology, 2008, 83, 1466-1471.	3.2	33
11	A simple method for design of waterâ€using networks with multiple contaminants involving regeneration reuse. AICHE Journal, 2009, 55, 1628-1633.	3.6	33
12	TiO₂-Catalyzed n-Valeraldehyde Self-Condensation Reaction Mechanism and Kinetics. ACS Catalysis, 2017, 7, 4451-4461.	11.2	29
13	Catalytic synthesis of toluene-2,4-diisocyanate from dimethyl carbonate. Journal of Chemical Technology and Biotechnology, 2001, 76, 857-861.	3.2	28
14	Synthesis of Methyl N-Phenyl Carbamate Catalyzed by Ionic Liquid-Promoted Zinc Acetate. Industrial & Engineering Chemistry Research, 2012, 51, 11335-11340.	3.7	28
15	n-Butyraldehyde Self-Condensation Catalyzed by Sulfonic Acid Functionalized Ionic Liquids. Industrial & Engineering Chemistry Research, 2014, 53, 16707-16714.	3.7	24
16	Oxidative carbonylation of phenol with a Pd-O/CeO2-nanotube catalyst. Chinese Journal of Catalysis, 2015, 36, 1142-1154.	14.0	23
17	A novel hydroxylamine ionic liquid salt resulting from the stabilization of NH₂OH by a SO₃H-functionalized ionic liquid. Chemical Communications, 2015, 51, 1930-1932.	4.1	23
18	H₅PMo₁₀V₂O₄₀ immobilized on functionalized chloromethylated polystyrene by electrostatic interactions: a highly efficient and recyclable heterogeneous catalyst for hydroxylation of benzene. Catalysis Science and Technology, 2016, 6, 8005-8015.	4.1	23

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19	Clean synthesis of methyl Nâ€phenyl carbamate over ZnOâ€TiO₂ catalyst. Journal of Chemical Technology and Biotechnology, 2009, 84, 48-53.	3.2	19
20	One-Pot Sequential Aldol Condensation and Hydrogenation of n-Butyraldehyde to 2-Ethylhexanol. Industrial & Engineering Chemistry Research, 2016, 55, 6293-6299.	3.7	19
21	Clean synthesis of propylene carbonate from urea and 1,2-propylene glycol over zincâ€“iron double oxide catalyst. Journal of Chemical Technology and Biotechnology, 2006, 81, 794-798.	3.2	17
22	Synthesis of ZnO whiskers with different aspect ratios by a facile solution route. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1560-1565.	1.8	17
23	Synthesis of ethylene carbonate from urea and ethylene glycol over zinc/iron oxide catalyst. Journal of Chemical Technology and Biotechnology, 2008, 83, 750-755.	3.2	17
24	One-pot synthesis of dimethyl carbonate from carbon dioxide, cyclohexene oxide, and methanol. Research on Chemical Intermediates, 2015, 41, 4101-4111.	2.7	17
25	In situ hydrodeoxygenation of vanillin over Niâ€“Coâ€“P/HAP with formic acid as a hydrogen source. RSC Advances, 2021, 11, 10996-11003.	3.6	17
26	TiO₂-Catalyzed n-Valeraldehyde Self-Condensation to 2-Propyl-2-Heptenal: Acid Catalysis or Base Catalysis?. Industrial & Engineering Chemistry Research, 2016, 55, 12326-12333.	3.7	16
27	Reactivity of hydroxylamine ionic liquid salts in the direct synthesis of caprolactam from cyclohexanone under mild conditions. RSC Advances, 2016, 6, 83619-83625.	3.6	15
28	Preparation and catalytic performance of ZrO₂â€supported Pt singleâ€atom and cluster catalyst for hydrogenation of 2,4â€dinitrotoluene to 2,4â€toluenediamine. Journal of Chemical Technology and Biotechnology, 2020, 95, 1675-1682.	3.2	15
29	Catalytic synthesis of 1,6-dicarbamate hexane over MgO/ZrO2. Journal of Chemical Technology and Biotechnology, 2007, 82, 209-213.	3.2	14
30	Self-assembly preparation of Au/SiO2 catalyst and its catalysis for cyclohexane oxidation with air. Reaction Kinetics, Mechanisms and Catalysis, 2011, 102, 143-154.	1.7	14
31	Preparation of CuCrO2 and the photocatalytic properties of its composites. Journal of Fuel Chemistry and Technology, 2013, 41, 1473-1480.	2.0	13
32	Hydration of cyclohexene to cyclohexanol over SO3H-functionalized imidazole ionic liquids. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 173-183.	1.7	13
33	Direct Synthesis of Dimethyl Toluene-2,4-Dicarbamate from 2,4-Toluene Diamine, Urea, and Methanol. Industrial & Engineering Chemistry Research, 2011, 50, 13636-13641.	3.7	12
34	n-Butyraldehyde self-condensation catalyzed by Ce-modified Î³-Al₂O₃. RSC Advances, 2015, 5, 103523-103533.	3.6	12
35	In Situ Preparation of Nanometer-Scale Zinc Oxide from Zinc Acetate in the Reaction for the Synthesis of Dimethyl Toluene Dicarbamate and Its Catalytic Decomposition Performance. Industrial & Engineering Chemistry Research, 2016, 55, 8011-8017.	3.7	12
36	Anion-Controlled Cation-Exchange Process: Intercalating Î±-Titanium Phosphate through Direct Ion Exchange with Alkylammonium Salts. Inorganic Chemistry, 2018, 57, 3753-3760.	4.0	12

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37	Enhanced catalytic activity over palladium supported on ZrO₂@C with NaOH-assisted reduction for decomposition of formic acid. RSC Advances, 2019, 9, 3359-3366.	3.6	12
38	Influence of acid-base properties on the catalytic performance of Ni/hydroxyapatite in n-butanol Guerbet condensation. Catalysis Communications, 2020, 146, 106130.	3.3	12
39	Oneâ€pot synthesis of methyl nâ€phenyl carbamate from aniline, carbon dioxide and methanol. Journal of Chemical Technology and Biotechnology, 2014, 89, 1553-1558.	3.2	11
40	Synthesis of bifunctional Pt/MgAPO-5 catalysts and their catalytic performance in the hydrogenation of nitrobenzene to p-aminophenol. Science China Chemistry, 2010, 53, 1514-1519.	8.2	10
41	Polystyrene-Based Hierarchically Macroâ€“Mesoporous Solid Acid: A Robust and Highly Efficient Catalyst for Indirect Hydration of Cyclohexene to Cyclohexanol by a One-Pot Method under Mild Conditions. Industrial & Engineering Chemistry Research, 2020, 59, 6435-6444.	3.7	10
42	Prevention of irreversible aggregation of whey soy proteins in their foam fractionation from soy whey wastewater. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 673-682.	1.5	9
43	Enhancing protein self-association at the gasâ€“liquid interface for foam fractionation of bovine serum albumin from its highly diluted solution. Chemical Engineering Research and Design, 2016, 109, 638-646.	5.6	9
44	Stability, acidity and interaction properties of [Bmim][SbF6] coupled with concentrated sulfuric acid. Science China Chemistry, 2017, 60, 1243-1249.	8.2	9
45	Green synthesis of benzonitrile using ionic liquid with multiple roles as the recycling agent. RSC Advances, 2019, 9, 17631-17638.	3.6	9
46	Enhanced Electrochemical Performance of LiNi0.5Mn1.5O4 Composite Cathodes for Lithium-Ion Batteries by Selective Doping of K+/Clâ^' and K+/Fâ^'. Nanomaterials, 2021, 11, 2323.	4.1	9
47	Synthesis of 4,4â€²-Methylenedianiline Catalyzed by SO₃H-Functionalized Ionic Liquids. Industrial & Engineering Chemistry Research, 2015, 54, 7571-7579.	3.7	8
48	Î²-Cyclodextrin preventing protein aggregation in foam fractionation of bovine serum albumin. Journal of Biotechnology, 2016, 220, 33-34.	3.8	8
49	Hydrolysis of cyclohexyl acetate to cyclohexanol with high selectivity over SO3H-functionalized ionic liquids. Reaction Kinetics, Mechanisms and Catalysis, 2016, 117, 329-339.	1.7	8
50	The Induction Period and Novel Active Species in Zn(OAc)2 Catalyzed Synthesis of Aromatic Carbamates. Catalysis Letters, 2017, 147, 1478-1484.	2.6	8
51	Preparation and hydrogenation performance of single atom Pt catalytic active sites anchored on the surface of metallic supports. Catalysis Communications, 2019, 128, 105709.	3.3	8
52	Preparation of Ni-IL/SiO₂ and its catalytic performance for one-pot sequential synthesis of 2-propylheptanol from n-valeraldehyde. RSC Advances, 2020, 10, 28100-28105.	3.6	8
53	Silicaâ€immobilized acid ionic liquid: An efficient catalyst for pentanal selfâ€condensation. Journal of Chemical Technology and Biotechnology, 2020, 95, 2964-2972.	3.2	8
54	Effect of Ni/Co mass ratio and NiOâ€“Co₃O₄ loading on catalytic performance of NiOâ€“Co₃O₄/Nb₂O₅â€“TiO₂ for direct synthesis of 2-propylheptanol from n-valeraldehyde. RSC Advances, 2021, 11, 1736-1742.	3.6	8

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55	Pd catalyst supported on CeO₂ nanotubes with enhanced structural stability toward oxidative carbonylation of phenol. RSC Advances, 2019, 9, 11356-11364.	3.6	7
56	AgPd Nanoparticles Anchored on TiO₂ Derived from a Titanium Metalâ€“Organic Framework for Efficient Dehydrogenation of Formic Acid. ChemCatChem, 2022, 14, .	3.7	7
57	Synthesis of magnetic Pb/Fe3O4/SiO2 and its catalytic activity for propylene carbonate synthesis via urea and 1,2-propylene glycol. Frontiers of Chemical Engineering in China, 2009, 3, 215-218.	0.6	6
58	MgO-PbO Catalyzed Synthesis of Diethylene Glycol Bis(allyl carbonate) by Transesterification Route. Industrial & Engineering Chemistry Research, 2011, 50, 7740-7745.	3.7	6
59	Direct amination of toluene to toluidine with hydroxylamine over CuOâ€“V2O5/Al2O3 catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2011, 102, 377-391.	1.7	6
60	Isospecific polymerizations of 1-butene catalyzed by MgCl2/TiCl4/internal donor-AlR3/external donor system. Macromolecular Research, 2012, 20, 985-989.	2.4	6
61	A novel technology coupling extraction and foam fractionation for separating the total saponins from Achyranthes bidentata. Preparative Biochemistry and Biotechnology, 2016, 46, 666-672.	1.9	6
62	Ni/Î³â€Al₂O₃ catalyzed hydrogenation sequence of conjugated double bonds in 2â€ethylâ€2â€hexenal and reaction kinetics. Journal of Chemical Technology and Biotechnology, 2018, 93, 1669-1676.	3.2	6
63	Effect of second metal component on the reduction property and catalytic performance of NiO-MO /Nb2O5-TiO2 for direct synthesis of 2-propylheptanol from n-valeraldehyde. Catalysis Communications, 2021, 149, 106209.	3.3	6
64	Improvement of n-butanol Guerbet condensation: a reaction integration of n-butanol Guerbet condensation and 1,1-dibutoxybutane hydrolysis. Reaction Chemistry and Engineering, 2021, 6, 1845-1853.	3.7	6
65	Kinetics for Dimethyl Toluene-2,4-dicarbamate Synthesis from 2,4-Diaminotoluene, Urea, and Methanol. Industrial & Engineering Chemistry Research, 2013, 52, 7684-7689.	3.7	5
66	Role of foam drainage in producing protein aggregates in foam fractionation. Colloids and Surfaces B: Biointerfaces, 2017, 158, 562-568.	5.0	5
67	Catalytic performance of Cuâ€“Mgâ€“Al in the one-step synthesis of 2-ethylhexanol from n-butyraldehyde. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 773-788.	1.7	5
68	Preparation of highly selective and stable Cuâ€“Mgâ€“Fe catalyst and its catalytic performance for one-step synthesis of 2-ethylhexanol from n-butyraldehyde. Reaction Kinetics, Mechanisms and Catalysis, 2019, 128, 395-412.	1.7	5
69	Facile fabrication of sponge-like hierarchically porous Ni,Laâ€“SrTiO₃ templated by in situ generated carbon deposits and the enhanced visible-light photocatalytic activity. New Journal of Chemistry, 2019, 43, 7409-7418.	2.8	5
70	Influence of noble metals on the catalytic performance of Ni/TiO2 for Ethanol Guerbet condensation. Reaction Kinetics, Mechanisms and Catalysis, 2020, 131, 919-933.	1.7	5
71	Ethanol Guerbet Condensation to nâ€Butanol or C 4 â€“ 8 Alcohols over Ni/TiO 2 Catalyst. ChemistrySelect, 2020, 5, 8669-8673.	1.5	5
72	Effect of Zr-doping on Pd/Ce Zr1âˆ'O2 catalysts for oxidative carbonylation of phenol. Chinese Journal of Chemical Engineering, 2020, 28, 2592-2599.	3.5	5

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73	Facile synthesis of EDTA grafted 3D spherical-chain porous silica with high capacity for rapidly selective adsorption of Cu(II) from aqueous solutions. Journal of Porous Materials, 2021, 28, 299-310.	2.6	5
74	A highly efficient rod-like-CeO2-supported palladium catalyst for the oxidative carbonylation of glycerol to glycerol carbonate. RSC Advances, 2021, 11, 17072-17079.	3.6	5
75	Preparation of the Ru/HZSM-5 catalyst and its catalytic performance for the 2-pentanone hydrodeoxygenation reaction. New Journal of Chemistry, 2021, 45, 17692-17698.	2.8	5
76	New reaction route for bio-based adiponitrile production: Towards the rational design of the reactants and reaction pathways. Chinese Science Bulletin, 2020, 65, 401-409.	0.7	5
77	Synthesis and kinetics of 2,5-dicyanofuran in the presence of hydroxylamine ionic liquid salts. Chinese Journal of Chemical Engineering, 2023, 53, 310-316.	3.5	5
78	Synthesis ,Characterization and Scale Inhibition of Biodegradable Polyaspartic Acid Derivative. , 2009, , .		4
79	Application of Hydroxylamine Ionic Liquid Salts in Hydroxylation of Benzene to Phenol with Ammonium Molybdateâ€“Copper Chlorideâ€“Ionic Liquid System. Chemistry Letters, 2017, 46, 289-292.	1.3	4
80	Synergistic catalysis of acidâ€“base bifunctional ionic liquids for pentanal selfâ€condensation reaction. Journal of Chemical Technology and Biotechnology, 2020, 95, 710-718.	3.2	4
81	Synthesis of Hierarchically Porous Amorphous Alloy Hollow Sphere with High Surface Area as Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation. European Journal of Inorganic Chemistry, 2020, 2020, 1184-1191.	2.0	4
82	Solubilities of Benzene, Toluene, and Ethylbenzene in Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2021, 66, 2460-2469.	1.9	4
83	Cobalt Element Effect of Ternary Mesoporous Cerium Lanthanum Solid Solution for the Catalytic Conversion of Methanol and CO2 into Dimethyl Carbonate. Molecules, 2022, 27, 270.	3.8	4
84	Oneâ€Pot Synthesis of Carbonâ€Based Solid Acid Polymer Catalyst: Efficient Catalysts for Liquidâ€Phase Nitration of Alkanes. ChemistrySelect, 2020, 5, 6652-6657.	1.5	3
85	Embedding Alkyldiamine into Layered Î±â€Titanium Phosphate via Directâ€Ion Exchange and its Application in Eu^{III} Removal from Water. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 399-406.	1.2	3
86	Fabrication and characterization of ZrO2 and ZrO2/SiO2 catalysts and their application in the synthesis of methyl N-phenyl carbamate: a study of the reaction mechanism by using in situ FT-IR spectroscopy. Reaction Kinetics, Mechanisms and Catalysis, 2021, 132, 893-906.	1.7	3
87	Influence of different microstructures of cobalt on the catalytic activity for amination of ethylene glycol: comparison of HCP cobalt and FCC cobalt. Catalysis Science and Technology, 2022, 12, 3148-3157.	4.1	3
88	Cu/<scp>CuO_x</scp>@C for efficient selective transfer hydrogenation of furfural to furfuryl alcohol with formic acid. Journal of Chemical Technology and Biotechnology, 2022, 97, 3172-3182.	3.2	3
89	Application of an immobilized ionic liquid for the preparation of hydroxylamine via hydrolysis of cyclohexanone oxime. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 742-750.	1.2	2
90	Improving the Catalytic Stability of Ni/TiO2 for Ethanol Guerbet Condensation: Influence of Second Metal Component. Kinetics and Catalysis, 2021, 62, 632-640.	1.0	2

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91	Catalytic performance of <scp> Ru/TiO ₂ </scp> on hydrodeoxygenation of levulinic acid dimer, taking sebacic acid as a model compound. Journal of Chemical Technology and Biotechnology, 0, , .	3.2	2
92	Co-substituted ATS-type molecular sieves and films for cyclohexane oxidation. Science Bulletin, 2010, 55, 4112-4115.	1.7	1
93	Synthesis and Performance Research of Biodegradable Modified Polyaspartic Acid. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
94	Copolymerizations of ethylene with 1-hexene over MgCl2/SiO2 Bi-supported titanium catalysts: Effect of SiO2 on active site distribution. Macromolecular Research, 2012, 20, 220-222.	2.4	1
95	Oneâ€Pot Preparation of Methyl N â€Phenyl Carbamate and Zn(OAc) 2 /SiO 2 Catalyst with Enhanced Stability. ChemistrySelect, 2019, 4, 10581-10586.	1.5	1
96	Thermodynamic Analysis and Experimental Study of Selective Dehydrogenation of 1,2-cyclohexanediol over Cu2+1O/MgO Catalysts. Sustainability, 2019, 11, 902.	3.2	1
97	Preparation and catalytic performance of active metal sintered membrane reactor anchored with Pt atoms. RSC Advances, 2021, 11, 2848-2853.	3.6	1
98	A novel and stable hydroxylamine salt generated from betaine hydrochloride and its application in the synthesis of cyclohexanone oxime. Journal of Chemical Technology and Biotechnology, 2021, 96, 1954-1959.	3.2	1
99	Three Dimensional Macroporous Oxygenâ€Deficient TiO2â€x Supported N, P, Coâ€tridoped Carbon as Efficient Oxygen Reduction Electrocatalyst. ChemCatChem, 2022, 14, e202101311.	3.7	1
100	ZIF-67-derived N-doped double layer carbon cage as efficient catalyst for oxygen reduction reaction. Nanotechnology, 2021, 33, .	2.6	1
101	Hydrodeoxygenation reactivity of the carbonyl group and carboxyl group and their interaction: taking 2-pentanone, valeric acid, and levulinic acid as examples. Sustainable Energy and Fuels, 2022, 6, 1780-1793.	4.9	1
102	Theoretical study of decomposition of formic acid over <scp>Pd</scp> catalyst anchored on <scp>N</scp> â€doped graphene. International Journal of Quantum Chemistry, 0, , .	2.0	1
103	Role of Benzene-1,3,5-Tricarboxylate Ligand in CuOâ€“CeO2 Catalysts Derived from Metalâ€“Organic Frameworks for Carbon Monoxide Oxidation. Catalysis Letters, 2023, 153, 219-229.	2.6	1
104	Theoretical analysis and evaluation of reaction routes by â€œthree-parameter differenceâ€• RSC Advances, 2022, 12, 12152-12159.	3.6	1
105	Facile Preparation of Millimeterâ€Sized Sodium Alginateâ€Silica Composite Spheres for Highly Selective Adsorption of Heavy Metal Ions. ChemistrySelect, 2022, 7, .	1.5	1
106	Synthesis of Toluene-2,4-Bisurea from 2,4-Toluene Diamine and Urea and the Reaction Kinetics. Chinese Journal of Chemical Engineering, 2013, 21, 927-932.	3.5	0
107	One-step synthesis of cyclohexylamine from benzene, hydroxylamine and hydrogen over vanadium and ruthenium catalysts. Research on Chemical Intermediates, 2018, 44, 339-354.	2.7	0
108	NiOâ€MnO 2 / Nb 2 O 5 â€TiO 2 catalyzed reaction integration of butanal selfâ€condensation and successive hydrogenation and its kinetics. Journal of Chemical Technology and Biotechnology, 2021, 96, 1553-1560.	3.2	0

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109	A coreâ€“shell Ni/SiO2@TiO2 catalyst for highly selective one-step synthesis of 2-propylheptanol from n-pentanal. Chinese Journal of Chemical Engineering, 2022, 46, 104-112.	3.5	0
110	One-pot synthesis of biomass-derived porous carbon-based composites as an efficient acidâ€“base bifunctional catalyst for self-condensation of n-butyraldehyde. Reaction Chemistry and Engineering, 0, , .	3.7	0
111	Catalyst-free N-methylation of 3-methylxanthine with dimethyl carbonate in water: green synthesis of theobromine. New Journal of Chemistry, 0, , .	2.8	0