Jian-Li Wang

List of Publications by Year
in descending order

71	1,170	394421 19	454955 30
papers	citations	h-index	g-index

73	73	73	1201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering Escherichia coli to produce Bordetella pertussis oligosaccharide with multiple trisaccharide units. Metabolic Engineering, 2022, 69, 147-162.	7.0	5
2	Efficient monolithic MnOx catalyst prepared by heat treatment for ozone decomposition. Environmental Science and Pollution Research, 2022, 29, 44324-44334.	5.3	5
3	Enhanced performance of Pt-based diesel oxidation catalyst via defective MnOx: The role of Pt/MnOx interface. Molecular Catalysis, 2022, 521, 112198.	2.0	3
4	Constructing a Pt/YMn₂O₅ Interface to Form Multiple Active Centers to Improve the Hydrothermal Stability of NO Oxidation. ACS Applied Materials & Interfaces, 2022, 14, 20875-20887.	8.0	8
5	Modified Martin-Hou Equation of State Used in the Liquid Region for Pure Substances. Russian Journal of Physical Chemistry A, 2022, 96, S16-S26.	0.6	0
6	Atomic rearrangement on YMn2O5 modified Pt-based diesel oxidation catalyst for promoted performance. Applied Catalysis A: General, 2022, 643, 118742.	4.3	2
7	Significant differences of NH₃-SCR performances between monoclinic and hexagonal WO₃ on Ce-based catalysts. Environmental Science: Nano, 2021, 8, 2988-3000.	4.3	11
8	Highly Efficient Dehydrogenation of Formic Acid over Binary Palladiumâ€“Phosphorous Alloy Nanoclusters on N-Doped Carbon. Inorganic Chemistry, 2021, 60, 10707-10714.	4.0	6
9	The inhibition mechanism of H2O at hydrothermal aging over Pt/SiO2-Al2O3 for NO oxidation. Journal of Environmental Chemical Engineering, 2021, 9, 105497.	6.7	4
10	Meta-analysis of cellular toxicity for graphene via data-mining the literature and machine learning. Science of the Total Environment, 2021, 793, 148532.	8.0	20
11	Toxicokinetics and systematic responses of differently sized indium tin oxide (ITO) particles in mice via oropharyngeal aspiration exposure. Environmental Pollution, 2021, 290, 117993.	7.5	7
12	Soot combustion over CeO2 catalyst: the influence of biodiesel impurities (Na, K, Ca, P) on surface chemical properties. Environmental Science and Pollution Research, 2021, 28, 26018-26029.	5.3	11
13	A Comprehensive Investigation of the Pyrolysis Effect on Heat Transfer Characteristics for n-Decane in the Horizon Mini-Channel. Energy & Fuels, 2020, 34, 199-210.	5.1	11
14	Catalytic performance promoted on Pt-based diesel oxidation catalyst assisted by polyvinyl alcohol. Environmental Science and Pollution Research, 2020, 27, 41824-41838.	5.3	7
15	Entropy-stabilized single-atom Pd catalysts via high-entropy fluorite oxide supports. Nature Communications, 2020, 11, 3908.	12.8	172
16	Improved low-temperature catalytic oxidation performance of Pt-based catalysts by modulating the electronic and size effects. New Journal of Chemistry, 2020, 44, 10500-10506.	2.8	7
17	Solvent Effects on the Low-Temperature NH₃â€“SCR Activity and Hydrothermal Stability of WO₃/SiO₂@CeZrO_x Catalyst. ACS Sustainable Chemistry and Engineering, 2020, 8, 13418-13429.	6.7	20
18	Comparative activity and hydrothermal stability of FeOx- and CeO2-doped Pt-based catalysts for eliminating diesel emissions. Journal of Environmental Chemical Engineering, 2020, 8, 104361.	6.7	10

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19	NiOâ€“MoO₃ promoted Pt/ZrO₂â€“TiO₂â€“Al₂O₃ catalyst with excellent cracking performance of n-decane. Petroleum Science and Technology, 2020, 38, 595-601.	1.5	4
20	Colanic acid biosynthesis in Escherichia coli is dependent on lipopolysaccharide structure and glucose availability. Microbiological Research, 2020, 239, 126527.	5.3	26
21	Effect of a mixed precursor over monolith MnO_x/Laâ€“Al₂O₃ catalyst for toluene oxidation. New Journal of Chemistry, 2020, 44, 10859-10869.	2.8	8
22	Investigation on the Thermal Cracking of n -Decane under Supercritical Pressure by a Developed Online-Sampling Experimental Method. Petroleum Chemistry, 2020, 60, 39-44.	1.4	5
23	Synthesis of a High-Stability Nanosized Pt-Loaded MgAl₂O₄ Catalyst for n-Decane Cracking with Enhanced Activity and Durability. Industrial & Engineering Chemistry Research, 2020, 59, 4338-4347.	3.7	15
24	Enhancement of the Hydrothermal Stability of WO₃/Ce_{0.68}Zr_{0.32}O₂ Catalyst by Silica Modification for NH₃-SCR. ACS Applied Energy Materials, 2020, 3, 1161-1170.	5.1	19
25	The preparation of Pd/CeO2â€“ZrO2â€“Al2O3 catalyst with superior structural stability: effect of zirconia incorporation method. Journal of Materials Science, 2020, 55, 9993-10008.	3.7	3
26	Key role of NO + C3H8 reaction for the elimination of NO in automobile exhaust by three-way catalyst. Environmental Science and Pollution Research, 2019, 26, 26071-26081.	5.3	4
27	Hydrogen-Rich Syngas Production by Toluene Reforming in a Microchannel Reactor Coated with Ni/MgOâ€“Al₂O₃ Multifunctional Catalysts. Industrial & Engineering Chemistry Research, 2019, 58, 19794-19802.	3.7	12
28	Investigation of the selective catalytic reduction of NO with NH₃ over the WO₃/Ce_{0.68}Zr_{0.32}O₂ catalyst: the role of H₂O in SO₂ inhibition. New Journal of Chemistry, 2019, 43, 2258-2268.	2.8	12
29	New Insights into Excellent Catalytic Performance of the Ce-Modified Catalyst for NO Oxidation. Industrial & Engineering Chemistry Research, 2019, 58, 7876-7885.	3.7	16
30	The performance comparison in predicting n-decane pyrolysis process between three ANNs methods: MLP, RBFN and GRNN. Petroleum Science and Technology, 2019, 37, 1053-1058.	1.5	0
31	Preparation of Ce0.5Zr0.5O2â€“Al2O3 with high-temperature sintering resistance and its supported Pd-only three-way catalyst. Journal of Materials Science, 2019, 54, 2796-2813.	3.7	7
32	The promotion effects of TiO 2 on the selective catalytic reduction of NO x with NH 3 over ceo 2 â€WO 3 /ZrO 2 : The catalytic performance and reaction route. Canadian Journal of Chemical Engineering, 2019, 97, 1274-1282.	1.7	4
33	Catalytic Cracking of n-Decane over Monometallic and Bimetallic Ptâ€“Ni/MoO₃/Laâ€“Al₂O₃ Catalysts: Correlations of Surface Properties and Catalytic Behaviors. Industrial & Engineering Chemistry Research, 2019, 58, 1823-1833.	3.7	18
34	Active oxygen-promoted NO catalytic on monolithic Pt-based diesel oxidation catalyst modified with Ce. Catalysis Today, 2019, 327, 64-72.	4.4	27
35	Advanced Insight into the Size Effect of PtPd Nanoparticles on NO Oxidation by in Situ FTIR Spectra. Industrial & Engineering Chemistry Research, 2018, 57, 3887-3897.	3.7	19
36	Relationship between Coking Behavior in Hydrocarbon Fuel Pyrolysis and Surface Roughness. Energy & Fuels, 2018, 32, 1223-1229.	5.1	17

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37	Study on hydrothermal deactivation of Pt/MnO x -CeO2 for NO x -assisted soot oxidation: redox property, surface nitrates, and oxygen vacancies. Environmental Science and Pollution Research, 2018, 25, 16061-16070.	5.3	16
38	Effect of valence state and particle size on NO oxidation in fresh and aged Pt-based diesel oxidation catalysts. Applied Surface Science, 2018, 443, 336-344.	6.1	23
39	Bi-functional composite oxides M(Na, K)-Ni/La-Al2O3 catalysts for steam reforming of n-decane. Fuel, 2018, 212, 193-201.	6.4	25
40	Investigations on the thermal cracking and pyrolysis mechanism of China No.3 aviation kerosene under supercritical conditions. Petroleum Science and Technology, 2018, 36, 1396-1404.	1.5	4
41	Dispersion improvement and activity promotion of Pt catalysts supported on a Ce-based support by pH adjustment. New Journal of Chemistry, 2018, 42, 15639-15647.	2.8	1
42	Interactional effect of cerium and manganese on NO catalytic oxidation. Environmental Science and Pollution Research, 2017, 24, 9314-9324.	5.3	24
43	Promotional effects of Titanium additive on the surface properties, active sites and catalytic activity of W/CeZrOx monolithic catalyst for the selective catalytic reduction of NOx with NH3. Applied Surface Science, 2017, 419, 697-707.	6.1	32
44	An experimental and simulated investigation on pyrolysis of blended cyclohexane and benzene under supercritical pressure. Petroleum Chemistry, 2017, 57, 71-78.	1.4	7
45	Effects of contact model and NO x on soot oxidation activity over Pt/MnO x -CeO 2 and the reaction mechanisms. Chemical Engineering Journal, 2017, 327, 1066-1076.	12.7	49
46	Enhanced activity and stability of the monolithic Pt/SiO2â€“Al2O3 diesel oxidation catalyst promoted by suitable tungsten additive amount. Journal of Industrial and Engineering Chemistry, 2017, 54, 359-368.	5.8	20
47	Effect of the calcination temperature of ceriumâ€“zirconium mixed oxides on the structure and catalytic performance of WO₃/CeZrO₂ monolithic catalyst for selective catalytic reduction of NO_x with NH₃. RSC Advances, 2017, 7, 24177-24187.	3.6	26
48	The influence of H2O2 on the properties of CeO2-ZrO2 mixed oxides. Journal of Materials Science, 2017, 52, 5242-5255.	3.7	17
49	Remarkably promoted low-temperature reducibility and thermal stability of CeO2â€“ZrO2â€“La2O3â€“Nd2O3 by a urea-assisted low-temperature (90ÂÂ°C) hydrothermal procedure. Journal of Materials Science, 2017, 52, 5894-5907.	3.7	11
50	Promotional effect of niobium substitution on the low-temperature activity of a WO₃/CeZrO_xmonolithic catalyst for the selective catalytic reduction of NO_xwith NH₃. RSC Advances, 2017, 7, 47570-47582.	3.6	10
51	Catalytic cracking of n-decane over NiOâ€“MoO3 modified Pt/ZrO2â€“TiO2â€“Al2O3 catalyst with different Al2O3 ratios. Petroleum Chemistry, 2017, 57, 666-672.	1.4	1
52	Movement of lateral hyporheic flow between stream and groundwater. Science China Earth Sciences, 2017, 60, 2033-2040.	5.2	3
53	Effects of CeO₂ Addition on Improved NO Oxidation Activities of Pt/SiO₂-Al₂O₃ Diesel Oxidation Catalysts. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 1242-1252.	4.9	11
54	An experimental and numerical investigation on thermal cracking of n-decane in the microchannel. Petroleum Science and Technology, 2016, 34, 555-561.	1.5	10

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55	Designed synthesis of Zr-based ceriaâ€“zirconiaâ€“neodymia composite with high thermal stability and its enhanced catalytic performance for Rh-only three-way catalyst. Catalysis Science and Technology, 2016, 6, 7437-7448.	4.1	16
56	Hydrogen production by catalytic steam reforming of hydrocarbon fuels over Ni/Ceâ€“Al 2 O 3 bifunctional catalysts: Effects of SrO addition. International Journal of Hydrogen Energy, 2016, 41, 13436-13447.	7.1	35
57	Effects of M (Zr, Nb, Y) modifiers on the catalytic performance of Ni/Ce-Al2O3 bimetallic catalyst in steam reforming of n-decane. Journal of Analytical and Applied Pyrolysis, 2016, 122, 142-150.	5.5	11
58	Steam reforming of n -decane toward H 2 production over Ni/Ce-Al 2 O 3 composite catalysts: Effects of M (M = Fe, Co, Cu, Zn) promoters. Journal of Analytical and Applied Pyrolysis, 2016, 120, 238-246.	5.5	19
59	Steam reforming of hydrocarbon fuels over M (Fe, Co, Ni, Cu, Zn)â€“Ce bimetal catalysts supported on Al2O3. International Journal of Hydrogen Energy, 2016, 41, 10473-10482.	7.1	41
60	Catalytic cracking of RP-3 jet fuel over wall-coated Pt/ZrO2â€“TiO2â€“Al2O3 catalysts with different Al2O3 ratios. Journal of Analytical and Applied Pyrolysis, 2015, 111, 100-107.	5.5	37
61	Rapid glacier retreat in the Naimonaâ€™Nyi region, western Himalayas, between 2003 and 2013. Journal of Applied Remote Sensing, 2014, 8, 083508.	1.3	13
62	The performance of Pt/ZrxTixAl1â€“2xO2 as Kerosene cracking catalysts. Chinese Journal of Catalysis, 2014, 35, 175-184.	14.0	10
63	Catalytic Cracking of RP-3 Jet Fuel over Pt/CeO₂â€“Al₂O₃ by Adding Cu/ZSM-5. Energy & Fuels, 2014, 28, 5382-5388.	5.1	23
64	Kerosene cracking over supported monolithic Pt catalysts: Effects of SrO and BaO promoters. Chinese Journal of Catalysis, 2013, 34, 1139-1147.	14.0	27
65	Synthesis of Yâ€shaped poly(N,Nâ€dimethylaminoâ€2â€ethyl methacrylate) and poly(trimethylene) Ti ETQq1 1 0.7843	3.1	6
66	Openâ€Framework Beryllium Phosphites with Layered Structures. European Journal of Inorganic Chemistry, 2011, 2011, 4949-4953.	2.0	9
67	Facile fabrication of novel Euâ€containing copolymer and luminescent properties. Polymer Engineering and Science, 2009, 49, 1273-1278.	3.1	10
68	Structure-Analgesic Activity Relationship Studies on the C18- and C19-Diterpenoid Alkaloids. Chemical and Pharmaceutical Bulletin, 2009, 57, 801-807.	1.3	46
69	Yâ€shaped poly(ethylene glycol) and poly(trimethylene carbonate) amphiphilic copolymer: Synthesis and for drug delivery. Journal of Polymer Science Part A, 2008, 46, 8131-8140.	2.3	27
70	Remove cooking fume using catalytic combustion over Pt/La-Al2O3. Journal of Environmental Sciences, 2007, 19, 644-646.	6.1	18
71	Effects of geometric parameters of rectangular cooling channel on pyrolysis carbon deposition in fuelâ€cooled plates. Canadian Journal of Chemical Engineering, 0, , .	1.7	5