

# Jin An Wang

## List of Publications by Year in descending order

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69  
papers

2,496  
citations

186265

28  
h-index

197818

49  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of the structural defects and the combined acidity of H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> /Zr-MCM-41 catalysts in ultralow sulfur diesel production. <i>New Journal of Chemistry</i> , 2022, 46, 2081-2093.	2.8	2
2	Effect of Comb-Type Copolymers on the Non-Isothermal Crystallization Behavior of Paraffin in Methyl Ethyl Ketone (MEK)–Toluene Dewaxing. <i>Energies</i> , 2022, 15, 3989.	3.1	0
3	Adsorption performance of activated carbon for methane with low concentration at atmospheric pressure. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021, 43, 1337-1347.	2.3	12
4	Ultrasound-Assisted Hydrothermal Synthesis of V <sub>2</sub> O <sub>5</sub> /Zr-SBA-15 Catalysts for Production of Ultralow Sulfur Fuel. <i>Catalysts</i> , 2021, 11, 408.	3.5	6
5	Roles of oxygen defects and surface acidity of Keggin-type phosphotungstic acid dispersed on SBA-15 catalysts in the oxidation of 4,6-dimethyldibenzothiophene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 132, 1119-1135.	1.7	3
6	Modified Natural Dolomite and Its Influence on the Production of Glycerol Carbonate: Effects of Structural and Basicity Properties. <i>Materials</i> , 2021, 14, 2358.	2.9	1
7	Kinetic and Mechanism Studies on the Photodegradation of Cold-Rolling Emulsion Wastewater by the UV/H <sub>2</sub> O <sub>2</sub> Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 8073-8084.	3.7	5
8	Promoting Role of Amorphous Carbon and Carbon Nanotubes Growth Modes of Methane Decomposition in One-Pot Catalytic Approach. <i>Catalysts</i> , 2021, 11, 1217.	3.5	3
9	Ultrasound-assisted synthesis and catalytic activity of mesostructured FeO <sub>x</sub> /SBA-15 and FeO <sub>x</sub> /Zr-SBA-15 catalysts for the oxidative desulfurization of model diesel. <i>Catalysis Today</i> , 2020, 349, 198-209.	4.4	16
10	Au/Ce <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> catalysts for hydrogen production via partial oxidation of methanol. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 131, 167-186.	1.7	1
11	Supercapacitor performance of 3D-graphene/MnO <sub>2</sub> foam synthesized via the combination of chemical vapor deposition with hydrothermal method. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	30
12	Isobutane/1-butene Alkylation Performance of Ammonium Fluoride-Modified HUSY Zeolite. <i>Catalysis Letters</i> , 2020, 150, 2996-3006.	2.6	8
13	One-Pot Synthesis of W-TiO <sub>2</sub> /SiO <sub>2</sub> Catalysts for the Photodegradation of p-Nitrophenol. <i>International Journal of Photoenergy</i> , 2019, 2019, 1-13.	2.5	11
14	Dimerization of Isobutene in C <sub>4</sub> Mixtures in the Presence of Ethanol Over Acid Ion-Exchange Resin DH-2. <i>Catalysis Letters</i> , 2019, 149, 1277-1285.	2.6	6
15	BiOBr <sub>1-x</sub> /BiOBr heterostructure engineering for efficient molecular oxygen activation. <i>Chemical Engineering Journal</i> , 2019, 356, 34-42.	12.7	75
16	Quantitative determination of oxygen defects, surface lewis acidity, and catalytic properties of mesoporous MoO <sub>3</sub> /SBA-15 catalysts. <i>Journal of Solid State Chemistry</i> , 2018, 263, 100-114.	2.9	45
17	One-Pot Synthesis of Ru-Doped ZnO Oxides for Photodegradation of 4-Chlorophenol. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-12.	2.5	12
18	Few Layered BiOBr with Expanded Interlayer Spacing and Oxygen Vacancies for Efficient Decomposition of Real Oil Field Produced Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13739-13746.	6.7	54

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19	Characterization of structural and optical properties of the mesoporous Ce-MCM-41 hybrid materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15621-15631.	2.2	8
20	Enhancement of Stability by Positive Disruptive Effect on Mn <sup>2+</sup> -Fe Charge Transfer in Vacancy-Free Mn <sup>2+</sup> -Co Hexacyanoferrate Through a Charge/Discharge Process in Aqueous Na-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20602-20610.	3.1	28
21	VO <sub>x</sub> Core-Shell Catalysts for One-Pot Oxidation and Separation of Refractory Multiaromatic Sulfur Compounds in a Model Diesel. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 12080-12091.	3.7	6
22	Structural Defects, Lewis Acidity, and Catalysis Properties of Mesostructured WO <sub>3</sub> /SBA-15 Nanocatalysts. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23988-23999.	3.1	49
23	Oxidation/elimination of heterocyclic sulfur compounds in a biphasic system with mesostructured FeO <sub>x</sub> /Ti-MCM-41 catalysts. <i>Journal of Molecular Catalysis A</i> , 2016, 421, 66-75.	4.8	12
24	Roles of surface chemistry and structural defects of activated carbons in the oxidative desulfurization of benzothiophenes. <i>Fuel</i> , 2016, 163, 223-231.	6.4	58
25	Synthesis and catalytic evaluation of CoMo/SBA-15 catalysts for oxidative removal of dibenzothiophene from a model diesel. <i>Catalysis Communications</i> , 2015, 72, 57-62.	3.3	25
26	Dibenzothiophene oxidation in a model diesel fuel using CuO/GC catalysts and H <sub>2</sub> O <sub>2</sub> in the presence of acetic acid under acidic condition. <i>Fuel</i> , 2015, 149, 15-25.	6.4	37
27	Effects of calcination temperature and water-washing treatment on n-hexane hydroisomerization behavior of Pt-promoted sulfated zirconia based catalysts. <i>Catalysis Today</i> , 2013, 212, 108-114.	4.4	20
28	Oxidative modifications of rice hull-based carbons for dibenzothiophene adsorptive removal. <i>Catalysis Today</i> , 2013, 212, 31-37.	4.4	29
29	Heteropolyacid grafted Pt/Si-MCM-41 catalyst for C <sub>7</sub> skeletal isomerization. <i>Catalysis Communications</i> , 2012, 28, 202-206.	3.3	16
30	Structural modifications in Au/Al <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> mixed oxides as a function of Ce <sup>4+</sup> content and its effects in the mineralization of the herbicide diuron. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 243, 23-32.	3.9	15
31	WO <sub>3</sub> microcrystallites: One of the crucial factors controlling the isomerization activity of Pt/WO <sub>3</sub> -ZrO <sub>2</sub> . <i>Catalysis Today</i> , 2011, 166, 67-72.	4.4	16
32	Effect of crystallization mode of hydrous zirconia support on the isomerization activity of Pt/WO <sub>3</sub> -ZrO <sub>2</sub> . <i>Catalysis Today</i> , 2011, 166, 79-83.	4.4	10
33	Ni/Ce-MCM-41 mesostructured catalysts for simultaneous production of hydrogen and nanocarbon via methane decomposition. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 3509-3521.	7.1	95
34	Synthesis of Si-Based Mesoporous Materials with Different Structural Regularity. <i>Advanced Materials Research</i> , 2010, 132, 38-44.	0.3	0
35	Adsorptive Removal of Dibenzothiophene in Diesel Fuel on an Adsorbent from Rice Hull Activated by Phosphoric Acid. <i>Advanced Materials Research</i> , 2010, 132, 133-140.	0.3	5
36	Adsorption of Dibenzothiophene on Transition Metals Loaded Activated Carbon. <i>Advanced Materials Research</i> , 2010, 132, 141-148.	0.3	11

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37	Effect of Hydrothermal Conditions on Isomerization Activity of Pt/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> . <i>Advanced Materials Research</i> , 2010, 132, 183-191.	0.3	0
38	Preparation and Characterization of Lanthanum Self-Assembled Nano-Films. <i>Advanced Materials Research</i> , 2009, 79-82, 871-874.	0.3	0
39	Removal of dibenzothiophene in diesel oil by oxidation over a promoted activated carbon catalyst. <i>Kinetics and Catalysis</i> , 2009, 50, 543-549.	1.0	20
40	Esterification over rare earth oxide and alumina promoted SO <sub>4</sub> <sup>2-</sup> /ZrO <sub>2</sub> . <i>Catalysis Today</i> , 2009, 148, 169-173.	4.4	66
41	Adsorption/desorption of NO <sub>x</sub> on MnO <sub>2</sub> /ZrO <sub>2</sub> oxides prepared in reverse microemulsions. <i>Catalysis Today</i> , 2009, 148, 75-80.	4.4	35
42	On the Role of Calcination Temperature in Pt-SO <sub>4</sub> <sup>2-</sup> /ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Preparation and Catalytic Behaviors During the n-Hexane Hydroisomerization. <i>Catalysis Letters</i> , 2008, 124, 277-283.	2.6	8
43	Templated synthesis and catalytic properties of an Rh/ceria-zirconia catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 381-387.	0.6	1
44	Synthesis and physicochemical properties of Zr-MCM-41 mesoporous molecular sieves and Pt/H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> /Zr-MCM-41 catalysts. <i>Journal of Solid State Chemistry</i> , 2007, 180, 2958-2972.	2.9	53
45	Water promotion or inhibition effect on isopropanol decomposition catalyzed with a sol-gel MgO-Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Journal of Molecular Catalysis A</i> , 2006, 247, 222-226.	4.8	14
46	Improvement of surface acidity and structural regularity of Zr-modified mesoporous MCM-41. <i>Materials Chemistry and Physics</i> , 2006, 97, 236-242.	4.0	58
47	Mesostructured CeO <sub>2</sub> and Pd/CeO <sub>2</sub> nanophases: Templated synthesis, crystalline structure and catalytic properties. <i>Journal of Molecular Catalysis A</i> , 2005, 237, 182-190.	4.8	18
48	Surfactant-controlled synthesis of Pd/Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> catalyst for NO reduction by CO with excess oxygen. <i>Applied Surface Science</i> , 2005, 243, 319-328.	6.1	54
49	Influence of Synthesis Methods on Tungsten Dispersion, Structural Deformation, and Surface Acidity in Binary WO <sub>3</sub> /ZrO <sub>2</sub> System. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22730-22739.	2.6	42
50	Studies of sol-gel TiO <sub>2</sub> and Pt/TiO <sub>2</sub> catalysts for NO reduction by CO in an oxygen-rich condition. <i>Applied Surface Science</i> , 2004, 230, 94-105.	6.1	58
51	Rietveld refinement and activity of CO oxidation over Pd/Ce <sub>0.8</sub> Zr <sub>0.2</sub> O <sub>2</sub> catalyst prepared via a surfactant-assisted route. <i>Applied Surface Science</i> , 2004, 230, 34-43.	6.1	28
52	New Insights into the Defective Structure and Catalytic Activity of Pd/Ceria. <i>Chemistry of Materials</i> , 2002, 14, 4676-4683.	6.7	51
53	H <sub>2</sub> reduction behaviors and catalytic performance of bimetallic tin-modified platinum catalysts for propane dehydrogenation. <i>Journal of Molecular Catalysis A</i> , 2002, 184, 203-213.	4.8	83
54	Characterization of iron-doped titania sol-gel materials. <i>Journal of Materials Chemistry</i> , 2002, 12, 714-718.	6.7	88

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55	Quantitative Determination of Titanium Lattice Defects and Solid-State Reaction Mechanism in Iron-Doped TiO <sub>2</sub> Photocatalysts. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9692-9698.	2.6	241
56	Comparative study of nanocrystalline zirconia prepared by precipitation and sol-gel methods. <i>Catalysis Today</i> , 2001, 68, 21-30.	4.4	123
57	Coke deactivation of Pd/H-mordenite catalysts used for C <sub>5</sub> /C <sub>6</sub> hydroisomerization. <i>Applied Catalysis A: General</i> , 2000, 199, 211-220.	4.3	39
58	SO <sub>2</sub> adsorption and thermal stability and reducibility of sulfates formed on the magnesium-aluminate spinel sulfur-transfer catalyst. <i>Applied Surface Science</i> , 2000, 161, 406-416.	6.1	62
59	Synthesis and characterization of nanocrystallite MgAl <sub>2</sub> O <sub>4</sub> spinels as catalysts support. <i>Journal of Materials Science Letters</i> , 2000, 19, 1033-1037.	0.5	52
60	Effects of structural defects and acidic/basic properties on the activity and selectivity of isopropanol decomposition on nanocrystallite sol-gel alumina catalyst. <i>Journal of Molecular Catalysis A</i> , 1999, 137, 239-252.	4.8	88
61	Aluminum Local Environment and Defects in the Crystalline Structure of Sol-Gel Alumina Catalyst. <i>Journal of Physical Chemistry B</i> , 1999, 103, 299-303.	2.6	223
62	Cationic and Anionic Vacancies in the Crystalline Phases of Sol-Gel Magnesia-Alumina Catalysts. <i>Chemistry of Materials</i> , 1999, 11, 308-313.	6.7	47
63	Characterizations of the thermal decomposition of brucite prepared by sol-gel technique for synthesis of nanocrystalline MgO. <i>Materials Letters</i> , 1998, 35, 317-323.	2.6	119
64	Structural Defects and Acidic and Basic Sites in Sol-Gel MgO. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7448-7451.	2.6	60
65	A study of surface and inner layer compositions of Mg-Fe-Al-O mixed spinel sulfur-transfer catalyst using Auger electron spectroscopy. <i>Materials Letters</i> , 1997, 32, 223-227.	2.6	9
66	Comparative Studies of the CoMo/MgO, CoMo/Al <sub>2</sub> O <sub>3</sub> and CoMo/MgO-MgAl <sub>2</sub> O <sub>4</sub> Catalysts Prepared by a Urea-Matrix Combustion Method. <i>Advanced Materials Research</i> , 0, 132, 45-54.	0.3	7
67	Oxidative Removal of Dibenzothiophene by H <sub>2</sub> O <sub>2</sub> over Activated Carbon-Supported Phosphotungstic Acid Catalysts. <i>Advanced Materials Research</i> , 0, 132, 126-132.	0.3	3
68	Yb <sub>2</sub> O <sub>3</sub> Promoted Pt-SO <sub>4</sub> ·2H <sub>2</sub> O/ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Catalyst in N-Hexane Hydroisomerization. <i>Advanced Materials Research</i> , 0, 132, 174-182.		
69	Refinery Oil Fraction Fuels Obtained from Polyethylene Catalytic Cracking Employing Heteropolyacid-MCM-41 Materials. <i>Advanced Materials Research</i> , 0, 132, 236-245.	0.3	4