

Jinjun Li

List of Publications by Year in descending order

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93
papers

4,962
citations

71061

41
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95218

68
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all docs

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docs citations

93
times ranked

5337
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous Co ₃ O ₄ and Au/Co ₃ O ₄ Catalysts for Low-Temperature Oxidation of Trace Ethylene. <i>Journal of the American Chemical Society</i> , 2010, 132, 2608-2613.	6.6	463
2	Transition metal catalyzed sulfite auto-oxidation systems for oxidative decontamination in waters: A state-of-the-art minireview. <i>Chemical Engineering Journal</i> , 2018, 346, 726-738.	6.6	244
3	Decolorization of Orange II in Aqueous Solution by an Fe(II)/sulfite System: Replacement of Persulfate. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13632-13638.	1.8	204
4	Adsorption performance of VOCs in ordered mesoporous silicas with different pore structures and surface chemistry. <i>Journal of Hazardous Materials</i> , 2011, 186, 1615-1624.	6.5	188
5	A novel heterogeneous system for sulfate radical generation through sulfite activation on a CoFe ₂ O ₄ nanocatalyst surface. <i>Journal of Hazardous Materials</i> , 2017, 324, 583-592.	6.5	183
6	Dynamic adsorption of volatile organic compounds on organofunctionalized SBA-15 materials. <i>Chemical Engineering Journal</i> , 2009, 149, 281-288.	6.6	166
7	Low-temperature removal of toluene and propanal over highly active mesoporous CuCeO _x catalysts synthesized via a simple self-precipitation protocol. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 156-166.	10.8	147
8	Catalytic oxidation of benzyl alcohol on Au or Au@Pd nanoparticles confined in mesoporous silica. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 202-208.	10.8	140
9	Effect of pH on DDT degradation in aqueous solution using bimetallic Ni/Fe nanoparticles. <i>Separation and Purification Technology</i> , 2009, 66, 84-89.	3.9	126
10	Hydrothermal synthesis of S-doped TiO ₂ nanoparticles and their photocatalytic ability for degradation of methyl orange. <i>Ceramics International</i> , 2009, 35, 1289-1292.	2.3	120
11	Adsorption and desorption performance of benzene over hierarchically structured carbon@silica aerogel composites. <i>Journal of Hazardous Materials</i> , 2011, 196, 194-200.	6.5	102
12	Comparative Studies on Porous Material-Supported Pd Catalysts for Catalytic Oxidation of Benzene, Toluene, and Ethyl Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6930-6936.	1.8	101
13	Comprehensive investigation of Pd/ZSM-5/MCM-48 composite catalysts with enhanced activity and stability for benzene oxidation. <i>Applied Catalysis B: Environmental</i> , 2010, 96, 466-475.	10.8	100
14	Rapid Photooxidation of As(III) through Surface Complexation with Nascent Colloidal Ferric Hydroxide. <i>Environmental Science & Technology</i> , 2014, 48, 272-278.	4.6	100
15	Oxidation of nitric oxide to nitrogen dioxide over Ru catalysts. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 224-231.	10.8	81
16	Nanoporous Silica-Supported Nanometric Palladium: Synthesis, Characterization, and Catalytic Deep Oxidation of Benzene. <i>Environmental Science & Technology</i> , 2005, 39, 1319-1323.	4.6	80
17	Mesoporous carbon-confined Au catalysts with superior activity for selective oxidation of glucose to gluconic acid. <i>Green Chemistry</i> , 2013, 15, 1035.	4.6	72
18	Controlled synthesis of diverse manganese oxide-based catalysts for complete oxidation of toluene and carbon monoxide. <i>Chemical Engineering Journal</i> , 2014, 244, 59-67.	6.6	72

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19	Co-oxidation of As(III) and Fe(II) by oxygen through complexation between As(III) and Fe(II)/Fe(III) species. <i>Water Research</i> , 2018, 143, 599-607.	5.3	71
20	Photocatalytic degradation of methyl orange with W-doped TiO ₂ synthesized by a hydrothermal method. <i>Materials Chemistry and Physics</i> , 2008, 112, 47-51.	2.0	69
21	Rapid oxidation of paracetamol by Cobalt(II) catalyzed sulfite at alkaline pH. <i>Catalysis Today</i> , 2018, 313, 155-160.	2.2	69
22	A study on N ₂ O catalytic decomposition over Co/MgO catalysts. <i>Journal of Hazardous Materials</i> , 2009, 163, 1332-1337.	6.5	68
23	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. <i>Applied Catalysis A: General</i> , 2008, 344, 131-141.	2.2	66
24	Novel CH ₄ Combustion Catalysts Derived from Cu ²⁺ /Co ²⁺ /X ³⁺ Al (X = Fe, Mn, La, Ce) Hydrotalcite-like Compounds. <i>Energy & Fuels</i> , 2008, 22, 2131-2137.	2.5	65
25	Porous Graphitized Carbon for Adsorptive Removal of Benzene and the Electrothermal Regeneration. <i>Environmental Science & Technology</i> , 2012, 46, 12648-12654.	4.6	64
26	Synthesis of the mesoporous carbon-nano-zero-valent iron composite and activation of sulfite for removal of organic pollutants. <i>Chemical Engineering Journal</i> , 2018, 353, 542-549.	6.6	63
27	Dispersion-precipitation synthesis of highly active nanosized Co ₃ O ₄ for catalytic oxidation of carbon monoxide and propane. <i>Applied Surface Science</i> , 2017, 411, 136-143.	3.1	62
28	Mesoporous silica supported cobalt oxide catalysts for catalytic removal of benzene. <i>Journal of Porous Materials</i> , 2008, 15, 163-169.	1.3	59
29	Synthesis and characterization of Pd/ZSM-5/MCM-48 biporous catalysts with superior activity for benzene oxidation. <i>Applied Catalysis A: General</i> , 2010, 382, 167-175.	2.2	59
30	Etching synthesis of iron oxide nanoparticles for adsorption of arsenic from water. <i>RSC Advances</i> , 2016, 6, 15900-15910.	1.7	59
31	Enhanced oxidation of aniline using Fe(III)-S(IV) system: Role of different oxysulfur radicals. <i>Chemical Engineering Journal</i> , 2019, 362, 183-189.	6.6	57
32	Using shell-tunable mesoporous Fe ₃ O ₄ @HMS and magnetic separation to remove DDT from aqueous media. <i>Journal of Hazardous Materials</i> , 2009, 171, 459-464.	6.5	56
33	Sulfite activation by a low-leaching silica-supported copper catalyst for oxidation of As(III) in water at circumneutral pH. <i>Chemical Engineering Journal</i> , 2019, 359, 1518-1526.	6.6	56
34	Tubular activated carbons made from cotton stalk for dynamic adsorption of airborne toluene. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 399-405.	2.7	53
35	Pillared laponite clays-supported palladium catalysts for the complete oxidation of benzene. <i>Journal of Molecular Catalysis A</i> , 2005, 225, 173-179.	4.8	51
36	Catalytic combustion of benzene on Co/CeO ₂ /SBA-15 and Co/SBA-15 catalysts. <i>Catalysis Communications</i> , 2008, 9, 1874-1877.	1.6	49

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37	Efficient Elimination of Trace Ethylene over Nano-Gold Catalyst under Ambient Conditions. <i>Environmental Science & Technology</i> , 2008, 42, 8947-8951.	4.6	49
38	Characterization and catalytic performance of Co/SBA-15 supported gold catalysts for CO oxidation. <i>Materials Research Bulletin</i> , 2006, 41, 406-413.	2.7	47
39	Catalytic oxidation of benzene over nanostructured porous Co ₃ O ₄ -CeO ₂ composite catalysts. <i>Journal of Environmental Sciences</i> , 2011, 23, 2078-2086.	3.2	45
40	Natural montmorillonite induced photooxidation of As(III) in aqueous suspensions: Roles and sources of hydroxyl and hydroperoxyl/superoxide radicals. <i>Journal of Hazardous Materials</i> , 2013, 260, 255-262.	6.5	42
41	Dispersion-precipitation synthesis of nanorod Mn ₃ O ₄ with high reducibility and the catalytic complete oxidation of air pollutants. <i>Catalysis Communications</i> , 2013, 31, 52-56.	1.6	42
42	The catalytic role of nascent Cu(OH) ₂ particles in the sulfite-induced oxidation of organic contaminants. <i>Chemical Engineering Journal</i> , 2019, 363, 329-336.	6.6	42
43	Metal-Free Electro-Activated Sulfite Process for As(III) Oxidation in Water Using Graphite Electrodes. <i>Environmental Science & Technology</i> , 2020, 54, 10261-10269.	4.6	42
44	Direct synthesis of lanthanide-containing SBA-15 under weak acidic conditions and its catalytic study. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 72-80.	2.2	41
45	Dispersion-precipitation synthesis of nanosized magnetic iron oxide for efficient removal of arsenite in water. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 93-101.	5.0	40
46	Porous Montmorillonite Heterostructures Directed by a Single Alkyl Ammonium Template for Controlling the Product Distribution of Fischer-Tropsch Synthesis over Cobalt. <i>Chemistry of Materials</i> , 2012, 24, 972-974.	3.2	38
47	Mesoporous silicalite-1 nanospheres and their properties of adsorption and hydrophobicity. <i>Microporous and Mesoporous Materials</i> , 2010, 129, 30-36.	2.2	35
48	Adsorption of volatile organic compounds by mesoporous graphitized carbon: Enhanced organophilicity, humidity resistance, and mass transfer. <i>Separation and Purification Technology</i> , 2021, 264, 118464.	3.9	35
49	Synthesis of mesoporous Co/Ce-SBA-15 materials and their catalytic performance in the catalytic oxidation of benzene. <i>Materials Research Bulletin</i> , 2008, 43, 2599-2606.	2.7	33
50	Catalytic combustion of methane over La ₂ Tm _{0.3} Zr _{1.7} O ₇ (TM = Mn, Fe, and Co) pyrochlore oxides. <i>Catalysis Communications</i> , 2009, 10, 1170-1173.	1.6	33
51	CeO ₂ -Co ₃ O ₄ Catalysts for CO Oxidation. <i>Journal of Rare Earths</i> , 2006, 24, 172-176.	2.5	31
52	Gold catalysts supported on nanosized iron oxide for low-temperature oxidation of carbon monoxide and formaldehyde. <i>Applied Surface Science</i> , 2016, 364, 75-80.	3.1	31
53	A new and generic preparation method of mesoporous clay composites containing dispersed metal oxide nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 214-221.	2.2	30
54	Removal of DDT from aqueous solutions using mesoporous silica materials. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 490-496.	1.6	30

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55	Synthesis and hydrophobic adsorption properties of microporous/mesoporous hybrid materials. <i>Journal of Hazardous Materials</i> , 2009, 164, 1205-1212.	6.5	29
56	Hydrophobic micro/mesoporous silica spheres assembled from zeolite precursors in acidic media for aromatics adsorption. <i>Microporous and Mesoporous Materials</i> , 2010, 133, 115-123.	2.2	28
57	Photooxidation of arsenic(III) to arsenic(V) on the surface of kaolinite clay. <i>Journal of Environmental Sciences</i> , 2015, 36, 29-37.	3.2	25
58	Ammonia synthesis over Cs- or Ba-promoted ruthenium catalyst supported on strontium niobate. <i>Applied Catalysis A: General</i> , 2018, 554, 1-9.	2.2	25
59	Multiple transformation pathways of p -arsanilic acid to inorganic arsenic species in water during UV disinfection. <i>Journal of Environmental Sciences</i> , 2016, 47, 39-48.	3.2	22
60	Inhibited hydrogen poisoning for enhanced activity of promoters-Ru/Sr ₂ Ta ₂ O ₇ nanowires for ammonia synthesis. <i>Journal of Catalysis</i> , 2020, 389, 556-565.	3.1	21
61	Synthesis of cavity-containing iron oxide nanoparticles by hydrothermal treatment of colloidal dispersion. <i>Materials Letters</i> , 2016, 164, 210-212.	1.3	20
62	Metallic-substrate-supported manganese oxide as Joule-heat-ignition catalytic reactor for removal of carbon monoxide and toluene in air. <i>Chemical Engineering Journal</i> , 2017, 328, 1058-1065.	6.6	20
63	Monolithic bamboo-based activated carbons for dynamic adsorption of toluene. <i>Journal of Porous Materials</i> , 2017, 24, 541-549.	1.3	19
64	Expanding mesoporosity of triblock-copolymer-templated silica under weak synthesis acidity. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 160-167.	5.0	17
65	Strengthening arsenite oxidation in water using metal-free ultrasonic activation of sulfite. <i>Chemosphere</i> , 2021, 281, 130860.	4.2	17
66	Electroplated Palladium Catalysts on FeCrAlloy for Joule-Heat-Ignited Catalytic Elimination of Ethylene in Air. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12520-12528.	1.8	16
67	Surface-complexation synthesis of silica-supported high-loading well-dispersed reducible nano-Co ₃ O ₄ catalysts using CollI ammine hydroxo complexes. <i>Applied Surface Science</i> , 2018, 442, 83-91.	3.1	15
68	Synthesis of nanosized Al-HMS and its application in deep oxidation of benzene. <i>Catalysis Today</i> , 2010, 158, 427-431.	2.2	14
69	A novel removal strategy for copper and arsenic by photooxidation coupled with coprecipitation: Performance and mechanism. <i>Chemical Engineering Journal</i> , 2020, 401, 126102.	6.6	14
70	Fabrication of large-surface-area graphitized carbons by potassium hydroxide-promoted catalytic graphitization. <i>Materials Research Bulletin</i> , 2021, 140, 111333.	2.7	14
71	Decreasing Co ₃ O ₄ Particle Sizes by Ammonia-Etching and Catalytic Oxidation of Propane. <i>Catalysis Letters</i> , 2017, 147, 407-415.	1.4	13
72	CO ₂ methanation over Ru/12CaO TM 7Al ₂ O ₃ catalysts: Effect of encaged anions on catalytic mechanism. <i>Applied Catalysis A: General</i> , 2020, 595, 117474.	2.2	13

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73	Nanocasting synthesis of graphitized ordered mesoporous carbon using Fe-coated SBA-15 template. <i>Materials Chemistry and Physics</i> , 2013, 138, 484-489.	2.0	12
74	Mesoporous Silica-Supported Manganese Oxides for Complete Oxidation of Volatile Organic Compounds: Influence of Mesostructure, Redox Properties, and Hydrocarbon Dimension. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7374-7382.	1.8	12
75	Visible light-driven oxidation of arsenite, sulfite and thiazine dyes: A new strategy for using waste to treat waste. <i>Journal of Cleaner Production</i> , 2021, 280, 124374.	4.6	12
76	Cs-Promoted ruthenium catalyst supported on Ba ₅ Ta ₄ O ₁₅ with abundant oxygen vacancies for ammonia synthesis. <i>Applied Catalysis A: General</i> , 2021, 615, 118058.	2.2	12
77	Oxide of porous graphitized carbon as recoverable functional adsorbent that removes toxic metals from water. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 983-993.	5.0	10
78	A facile TiO ₂ containing oxygen vacancies and hydroxyl as a Ru-loaded underlay for CO ₂ hydrogenation to CH ₄ . <i>Applied Surface Science</i> , 2022, 587, 152856.	3.1	10
79	Wet ion exchanged Fe-USY catalyst for effective N ₂ O decomposition. <i>Catalysis Communications</i> , 2008, 9, 1745-1748.	1.6	9
80	Synthesis of porous superparamagnetic iron oxides from colloidal nanoparticles: Effect of calcination temperature and atmosphere. <i>Materials Chemistry and Physics</i> , 2015, 153, 187-194.	2.0	9
81	Preparation and investigation of Pd/Ti-SBA-15 catalysts for catalytic oxidation of benzene. <i>Environmental Progress and Sustainable Energy</i> , 2010, 29, 435-442.	1.3	8
82	Mesoporous iron oxide-silica supported gold catalysts for low-temperature CO oxidation. <i>Science Bulletin</i> , 2014, 59, 4008-4013.	1.7	8
83	Solid surface photochemistry of montmorillonite: mechanisms for the arsenite oxidation under UV-A irradiation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1035-1043.	2.7	8
84	The epoxidation of allyl alcohol on Ti-complex/MCM-48 catalyst. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 133-137.	2.2	7
85	Catalytic Oxidation of Nitric Oxide to Nitrogen Dioxide on Ru-FAU. <i>Catalysis Letters</i> , 2009, 131, 656-662.	1.4	6
86	Fabrication of Nano- and Micro-Scale UV Imprint Stamp Using Diamond-Like Carbon Coating Technology. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3619-3623.	0.9	5
87	Promoting CO ₂ methanation performance of Ru/TiO ₂ through Co-activity of exposing (001) facets and oxygen vacancies of TiO ₂ . <i>Materials Science in Semiconductor Processing</i> , 2022, 146, 106677.	1.9	5
88	Adsorption Synthesis of Iron Oxide-Supported Gold Catalyst under Self-Generated Alkaline Conditions for Efficient Elimination of Carbon Monoxide. <i>Catalysts</i> , 2018, 8, 357.	1.6	4
89	Improved ammonia synthesis activity of Ce doped barium tantalate supported Ru catalysts. <i>Catalysis Science and Technology</i> , 2021, 11, 464-468.	2.1	4
90	Calcium Sulfite Solids Activated by Iron for Enhancing As(III) Oxidation in Water. <i>Molecules</i> , 2021, 26, 1154.	1.7	3

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91	Promoted and Controllable Self-Assembly of Hydrolyzed Siloxane and Triblock Copolymer under Organic Polyhydroxy Acids. Industrial & Engineering Chemistry Research, 2009, 48, 6308-6314.	1.8	2
92	Effects of La Incorporation in $Ba_{1-x}La_xFeAl_{11}O_{19}$ on the Performance of Methane Catalytic Combustion. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2004, 20, 1313-1319.	2.2	2
93	Comparison of hydrolysis and oxidation reactions of carbonyl sulfide on particle matter. Asia-Pacific Journal of Chemical Engineering, 2008, 3, 509-513.	0.8	1