

Jinjun Li

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93
papers

3,792
citations

35
h-index

60
g-index

93
ext. papers

4,420
ext. citations

7.8
avg, IF

5.4
L-index

#	Paper	IF	Citations
93	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, 2608-13	16.4	406
92	Adsorption performance of VOCs in ordered mesoporous silicas with different pore structures and surface chemistry. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1615-24	12.8	160
91	Dynamic adsorption of volatile organic compounds on organofunctionalized SBA-15 materials. <i>Chemical Engineering Journal</i> , 2009 , 149, 281-288	14.7	148
90	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	3.9	139
89	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	14.7	131
88	Catalytic oxidation of benzyl alcohol on Au or AuPd nanoparticles confined in mesoporous silica. <i>Applied Catalysis B: Environmental</i> , 2009 , 92, 202-208	21.8	127
87	A novel heterogeneous system for sulfate radical generation through sulfite activation on a CoFeO nanocatalyst surface. <i>Journal of Hazardous Materials</i> , 2017 , 324, 583-592	12.8	121
86	Effect of pH on DDT degradation in aqueous solution using bimetallic Ni/Fe nanoparticles. <i>Separation and Purification Technology</i> , 2009 , 66, 84-89	8.3	116
85	Low-temperature removal of toluene and propanal over highly active mesoporous CuCeOx catalysts synthesized via a simple self-precipitation protocol. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 156-166	21.8	104
84	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	5.1	97
83	Adsorption and desorption performance of benzene over hierarchically structured carbon-silica aerogel composites. <i>Journal of Hazardous Materials</i> , 2011 , 196, 194-200	12.8	84
82	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	21.8	82
81	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, 6930-6938	3.9	80
80	Rapid photooxidation of As(III) through surface complexation with nascent colloidal ferric hydroxide. <i>Environmental Science & Technology</i> , 2014 , 48, 272-8	10.3	75
79	Nanoporous silica-supported nanometric palladium: synthesis, characterization, and catalytic deep oxidation of benzene. <i>Environmental Science & Technology</i> , 2005 , 39, 1319-23	10.3	74
78	Oxidation of nitric oxide to nitrogen dioxide over Ru catalysts. <i>Applied Catalysis B: Environmental</i> , 2009 , 88, 224-231	21.8	69
77	Mesoporous carbon-confined Au catalysts with superior activity for selective oxidation of glucose to gluconic acid. <i>Green Chemistry</i> , 2013 , 15, 1035	10	65

76	A study on N ₂ O catalytic decomposition over Co/MgO catalysts. <i>Journal of Hazardous Materials</i> , 2009 , 163, 1332-7	12.8	65
75	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	4.4	60
74	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. <i>Applied Catalysis A: General</i> , 2008 , 344, 131-141	5.1	60
73	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	14.7	56
72	Novel CH ₄ Combustion Catalysts Derived from Cu ₂ O/XAl (X = Fe, Mn, La, Ce) Hydrotalcite-like Compounds. <i>Energy & Fuels</i> , 2008 , 22, 2131-2137	4.1	56
71	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	5.1	50
70	Porous graphitized carbon for adsorptive removal of benzene and the electrothermal regeneration. <i>Environmental Science & Technology</i> , 2012 , 46, 12648-54	10.3	48
69	Catalytic combustion of benzene on Co/CeO ₂ /SBA-15 and Co/SBA-15 catalysts. <i>Catalysis Communications</i> , 2008 , 9, 1874-1877	3.2	48
68	Pillared laponite clays-supported palladium catalysts for the complete oxidation of benzene. <i>Journal of Molecular Catalysis A</i> , 2005 , 225, 173-179		48
67	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, 459-64	12.8	47
66	Mesoporous silica supported cobalt oxide catalysts for catalytic removal of benzene. <i>Journal of Porous Materials</i> , 2008 , 15, 163-169	2.4	46
65	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	6.7	45
64	Etching synthesis of iron oxide nanoparticles for adsorption of arsenic from water. <i>RSC Advances</i> , 2016 , 6, 15900-15910	3.7	45
63	Characterization and catalytic performance of Co/SBA-15 supported gold catalysts for CO oxidation. <i>Materials Research Bulletin</i> , 2006 , 41, 406-413	5.1	45
62	Efficient elimination of trace ethylene over nano-gold catalyst under ambient conditions. <i>Environmental Science & Technology</i> , 2008 , 42, 8947-51	10.3	39
61	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	14.7	38
60	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	12.5	37
59	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	5.3	37

58	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	5.3	35
57	Rapid oxidation of paracetamol by Cobalt(II) catalyzed sulfite at alkaline pH. <i>Catalysis Today</i> , 2018 , 313, 155-160	5.3	34
56	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, 255-62	12.8	34
55	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	9.6	34
54	Catalytic oxidation of benzene over nanostructured porous Co ₃ O ₄ -CeO ₂ composite catalysts. <i>Journal of Environmental Sciences</i> , 2011 , 23, 2078-86	6.4	34
53	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	3.2	32
52	Mesoporous silicalite-1 nanospheres and their properties of adsorption and hydrophobicity. <i>Microporous and Mesoporous Materials</i> , 2010 , 129, 30-36	5.3	32
51	Enhanced oxidation of aniline using Fe(III)-S(IV) system: Role of different oxysulfur radicals. <i>Chemical Engineering Journal</i> , 2019 , 362, 183-189	14.7	32
50	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	9.3	31
49	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	14.7	29
48	CeO ₂ -Co ₃ O ₄ Catalysts for CO Oxidation. <i>Journal of Rare Earths</i> , 2006 , 24, 172-176	3.7	28
47	Synthesis and hydrophobic adsorption properties of microporous/mesoporous hybrid materials. <i>Journal of Hazardous Materials</i> , 2009 , 164, 1205-12	12.8	27
46	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	3.2	27
45	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	5.1	27
44	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	5.3	27
43	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	6.7	25
42	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	5.3	25
41	Removal of DDT from aqueous solutions using mesoporous silica materials. <i>Journal of Chemical Technology and Biotechnology</i> , 2009 , 84, 490-496	3.5	24

40	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	14.7	23
39	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	6.4	19
38	Ammonia synthesis over Cs- or Ba-promoted ruthenium catalyst supported on strontium niobate. <i>Applied Catalysis A: General</i> , 2018 , 554, 1-9	5.1	18
37	Photooxidation of arsenic(III) to arsenic(V) on the surface of kaolinite clay. <i>Journal of Environmental Sciences</i> , 2015 , 36, 29-37	6.4	17
36	Expanding mesoporosity of triblock-copolymer-templated silica under weak synthesis acidity. <i>Journal of Colloid and Interface Science</i> , 2009 , 339, 160-7	9.3	16
35	Metal-Free Electro-Activated Sulfite Process for As(III) Oxidation in Water Using Graphite Electrodes. <i>Environmental Science & Technology</i> , 2020 , 54, 10261-10269	10.3	15
34	Synthesis of cavity-containing iron oxide nanoparticles by hydrothermal treatment of colloidal dispersion. <i>Materials Letters</i> , 2016 , 164, 210-212	3.3	13
33	Monolithic bamboo-based activated carbons for dynamic adsorption of toluene. <i>Journal of Porous Materials</i> , 2017 , 24, 541-549	2.4	13
32	Nanocasting synthesis of graphitized ordered mesoporous carbon using Fe-coated SBA-15 template. <i>Materials Chemistry and Physics</i> , 2013 , 138, 484-489	4.4	12
31	Synthesis of nanosized Al-HMS and its application in deep oxidation of benzene. <i>Catalysis Today</i> , 2010 , 158, 427-431	5.3	11
30	Surface-complexation synthesis of silica-supported high-loading well-dispersed reducible nano-Co ₃ O ₄ catalysts using Co(III) ammine hydroxo complexes. <i>Applied Surface Science</i> , 2018 , 442, 83-91	6.7	10
29	Decreasing Co ₃ O ₄ Particle Sizes by Ammonia-Etching and Catalytic Oxidation of Propane. <i>Catalysis Letters</i> , 2017 , 147, 407-415	2.8	9
28	Wet ion exchanged Fe-USY catalyst for effective N ₂ O decomposition. <i>Catalysis Communications</i> , 2008 , 9, 1745-1748	3.2	9
27	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	8.3	9
26	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	7.3	8
25	CO ₂ methanation over Ru/12CaO \cdot 7Al ₂ O ₃ catalysts: Effect of encaged anions on catalytic mechanism. <i>Applied Catalysis A: General</i> , 2020 , 595, 117474	5.1	8
24	Mesoporous iron oxide-silica supported gold catalysts for low-temperature CO oxidation. <i>Science Bulletin</i> , 2014 , 59, 4008-4013		8
23	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	4.4	8

22	A novel removal strategy for copper and arsenic by photooxidation coupled with coprecipitation: Performance and mechanism. <i>Chemical Engineering Journal</i> , 2020 , 401, 126102	14.7	7
21	Solid surface photochemistry of montmorillonite: mechanisms for the arsenite oxidation under UV-A irradiation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 1035-43	5.1	7
20	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	14.7	7
19	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	2.5	7
18	The epoxidation of allyl alcohol on Ti-complex/MCM-48 catalyst. <i>Microporous and Mesoporous Materials</i> , 2008 , 112, 133-137	5.3	7
17	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	3.9	7
16	Catalytic Oxidation of Nitric Oxide to Nitrogen Dioxide on Ru-FAU. <i>Catalysis Letters</i> , 2009 , 131, 656-662	2.8	6
15	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	1.3	5
14	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	3.9	4
13	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	10.3	4
12	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	4	3
11	Strengthening arsenite oxidation in water using metal-free ultrasonic activation of sulfite. <i>Chemosphere</i> , 2021 , 281, 130860	8.4	3
10	Improved ammonia synthesis activity of Ce doped barium tantalate supported Ru catalysts. <i>Catalysis Science and Technology</i> , 2021 , 11, 464-468	5.5	3
9	Promoted and Controllable Self-Assembly of Hydrolyzed Siloxane and Triblock Copolymer under Organic Polyhydroxy Acids. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 6308-6314	3.9	2
8	Effects of La Incorporation in Ba _{1-x} La _x FeAl ₁₁ O ₁₉ on the Performance of Methane Catalytic Combustion. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2004 , 20, 1313-1319	3.8	2
7	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	5.1	2
6	Fabrication of large-surface-area graphitized carbons by potassium hydroxide-promoted catalytic graphitization. <i>Materials Research Bulletin</i> , 2021 , 140, 111333	5.1	2
5	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	9.3	2

4	Calcium Sulfite Solids Activated by Iron for Enhancing As(III) Oxidation in Water. <i>Molecules</i> , 2021 , 26,	4.8	1
3	Comparison of hydrolysis and oxidation reactions of carbonyl sulfide on particle matter. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008 , 3, 509-513	1.3	0
2	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	6.7	0
1	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	4.3	0