

Ying Li

List of Publications by Year in descending order

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186209

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3052
citing authors

#	ARTICLE	IF	CITATIONS
1	One-Pot Cascade Catalysis of Dehydrochlorination of Greenhouse Gas HCFC-142b and Hydrochlorination of Acetylene for the Spontaneous Production of VDF and VCM. ACS ES&T Engineering, 2022, 2, 121-128.	3.7	1
2	The reaction mechanism of acetylene hydrochlorination on defective carbon supported ruthenium catalysts identified by DFT calculations and experimental approaches. Inorganic Chemistry Frontiers, 2022, 9, 458-467.	3.0	5
3	Catalytic activity of Ru supported on SmCeOx for ammonia decomposition: The effect of Sm doping. Journal of Solid State Chemistry, 2021, 295, 121946.	1.4	13
4	Highly stable Ru nanoparticles incorporated in mesoporous carbon catalysts for production of Î³-valerolactone. Catalysis Today, 2020, 351, 75-82.	2.2	16
5	Role of surface defects of carbon nanotubes on catalytic performance of barium promoted ruthenium catalyst for ammonia synthesis. Journal of Energy Chemistry, 2020, 41, 79-86.	7.1	39
6	PVDF mediated fabrication of freestanding AlF3 sub-microspheres: Facile and controllable synthesis of Î±, Î² and Î³-AlF3. Materials Chemistry and Physics, 2020, 240, 122287.	2.0	8
7	Generalized reactivity descriptor of defective carbon catalysts for acetylene hydrochlorination: the ratio of sp ² and sp ³ hybridization. Chemical Communications, 2020, 56, 14877-14880.	2.2	19
8	The in situ redispersion of a PdCu/AC alloy catalyst under a CCl ₂ CF ₂ Cl ₂ /H ₂ atmosphere: a combination of experimental and DFT study. Chemical Communications, 2020, 56, 12001-12004.	2.2	2
9	Thermally conductive SiC as support of aluminum fluoride for the catalytic dehydrofluorination reaction. Catalysis Communications, 2020, 142, 106033.	1.6	6
10	Single-Site Au/Carbon Catalysts with Single-Atom and Au Nanoparticles for Acetylene Hydrochlorination. ACS Applied Nano Materials, 2020, 3, 3004-3010.	2.4	15
11	Facile Preparation of BaCl _x F _y for the Catalytic Dehydrochlorination of 1-Chloro-1,1-Difluoroethane to Vinylidene Fluoride. Catalysts, 2020, 10, 377.	1.6	4
12	Confinement of AlF ₃ in MOF derived structures for the formation of 4-fold coordinated Al and significantly improved dehydrofluorination activity. Chemical Engineering Journal, 2020, 394, 124946.	6.6	15
13	Rational design of MgF ₂ catalysts with long-term stability for the dehydrofluorination of 1,1-difluoroethane (HFC-152a). RSC Advances, 2019, 9, 23744-23751.	1.7	6
14	Quasi metal organic framework with highly concentrated Cr ₂ O ₃ molecular clusters as the efficient catalyst for dehydrofluorination of 1,1,1,3,3-pentafluoropropane. Applied Catalysis B: Environmental, 2019, 257, 117939.	10.8	28
15	Effect of nitrogen co-doping with ruthenium on the catalytic performance of Ba/Ru-N-MC catalysts for ammonia synthesis. RSC Advances, 2019, 9, 22045-22052.	1.7	10
16	Microwave assisted combustion of phytic acid for the preparation of Ni ₂ P@C as a robust catalyst for hydrodechlorination. Chemical Communications, 2019, 55, 9279-9282.	2.2	22
17	Enhanced Hydrogenation Performance over Hollow Structured CoCoO _x @Ni Capsules. Advanced Science, 2019, 6, 1900807.	5.6	79
18	Experimental and DFT Mechanistic Study of Dehydrohalogenation of 1-Chloro-1,1-difluoroethane over Metal Fluorides. Industrial & Engineering Chemistry Research, 2019, 58, 18149-18159.	1.8	10

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19	The origin of the extraordinary stability of mercury catalysts on the carbon support: the synergy effects between oxygen groups and defects revealed from a combined experimental and DFT study. Chinese Journal of Catalysis, 2019, 40, 141-146.	6.9	23
20	Solution Combustion Synthesis of Cr ₂ O ₃ Nanoparticles and the Catalytic Performance for Dehydrofluorination of 1,1,1,3,3-Pentafluoropropane to 1,3,3,3-Tetrafluoropropene. Molecules, 2019, 24, 361.	1.7	18
21	Defect-rich activated carbons as active and stable metal-free catalyst for acetylene hydrochlorination. Carbon, 2019, 146, 406-412.	5.4	78
22	Synergistic catalysis of carbon-partitioned LaF ₃ @BaF ₂ composites for the coupling of CH ₄ with CHF ₃ to VDF. Catalysis Science and Technology, 2019, 9, 1338-1348.	2.1	10
23	Screening of active center and reactivity descriptor in acetylene hydrochlorination on metal-free doped carbon catalysts from first principle calculations. Applied Surface Science, 2019, 478, 574-580.	3.1	21
24	Defective graphene@diamond hybrid nanocarbon material as an effective and stable metal-free catalyst for acetylene hydrochlorination. Chemical Communications, 2019, 55, 1430-1433.	2.2	41
25	Preparation and characterization of chromium-doped magnesium fluoride catalysts via an aqueous sol-gel method. Journal of Sol-Gel Science and Technology, 2019, 92, 200-207.	1.1	1
26	N-doped carbon spheres impregnated with highly monodispersed ruthenium nanoparticles as a hydrogenation catalyst. Chemical Engineering Journal, 2019, 374, 895-903.	6.6	44
27	Preparation of N-doped ordered mesoporous carbon and catalytic performance for the pyrolysis of 1-chloro-1,1-difluoroethane to vinylidene fluoride. Microporous and Mesoporous Materials, 2019, 275, 200-206.	2.2	16
28	A highly stable and active mesoporous ruthenium catalyst for ammonia synthesis prepared by a RuCl ₃ /SiO ₂ -templated approach. Chinese Journal of Catalysis, 2019, 40, 114-123.	6.9	22
29	γ-Fe ₂ O ₃ as the precursor of iron based catalyst prepared by solid-state reaction at room temperature for Fischer-Tropsch to olefins. Applied Catalysis A: General, 2019, 572, 158-167.	2.2	13
30	Reverting fluoroform back to chlorodifluoromethane and dichlorofluoromethane: Intermolecular Cl/F exchange with chloroform at moderate temperatures. Chemical Engineering Journal, 2019, 355, 594-601.	6.6	19
31	Direct synthesis of mesoporous nitrogen doped Ru-carbon catalysts with semi-embedded Ru nanoparticles for acetylene hydrochlorination. Microporous and Mesoporous Materials, 2018, 264, 248-253.	2.2	38
32	Wheat flour-derived N-doped mesoporous carbon extrudate as superior metal-free catalysts for acetylene hydrochlorination. Chemical Communications, 2018, 54, 623-626.	2.2	50
33	Formation mechanism of highly dispersed semi-embedded ruthenium nanoparticles in porous carbon matrix determined by in situ temperature-programmed infrared spectroscopy. Chinese Journal of Catalysis, 2018, 39, 146-156.	6.9	6
34	Effect of acidity and ruthenium species on catalytic performance of ruthenium catalysts for acetylene hydrochlorination. Catalysis Science and Technology, 2018, 8, 6143-6149.	2.1	48
35	One-step Synthesis of N-Doped Mesoporous Carbon as Highly Efficient Support of Pd Catalyst for Hydrodechlorination of 2,4-Dichlorophenol. Chemical Research in Chinese Universities, 2018, 34, 1004-1008.	1.3	3
36	Wheat flour-derived N-doped mesoporous carbon extrudes as an efficient support for Au catalyst in acetylene hydrochlorination. Chinese Journal of Catalysis, 2018, 39, 1664-1671.	6.9	15

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37	High-surface-area Magnesium Fluoride: Preparation by Template Method and Catalytic Activity for the Dehydrofluorination of HFC-152a. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2018, 33, 1186.	0.6	0
38	Strong Interaction of Ruthenium Species with Graphite Structure for the Self-Dispersion of Ru under Solvent-Free Conditions. ACS Sustainable Chemistry and Engineering, 2017, 5, 7195-7202.	3.2	10
39	Diffusion LMS algorithm in wireless sensor networks with multiplicative input noise. , 2017, , .		0
40	Direct synthesis of nitrogen-doped mesoporous carbons for acetylene hydrochlorination. Chinese Journal of Catalysis, 2016, 37, 1242-1248.	6.9	40
41	Solid state synthesis of Ru@MC with highly dispersed semi-embedded ruthenium nanoparticles in a porous carbon framework for benzoic acid hydrogenation. Catalysis Science and Technology, 2016, 6, 7259-7266.	2.1	41
42	Solution combustion synthesis of nano-chromia as catalyst for the dehydrofluorination of 1,1-difluoroethane. Journal of Materials Science, 2016, 51, 11002-11013.	1.7	22
43	Improved catalytic performance of encapsulated Ru nanowires for aqueous-phase Fischer-Tropsch synthesis. Catalysis Science and Technology, 2016, 6, 2181-2187.	2.1	17
44	Preparation of fluorinated Cr ₂ O ₃ hexagonal prism and catalytic performance for the dehydrofluorination of 1,1-difluoroethane to vinyl fluoride. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	13
45	Promotion of Nb ₂ O ₅ on the wustite-based iron catalyst for ammonia synthesis. Applied Surface Science, 2015, 353, 17-23.	3.1	21
46	Yolk-shell nanospheres with soluble amino-polystyrene as a reservoir for Pd NPs. RSC Advances, 2015, 5, 35730-35736.	1.7	8
47	Pyrolysis of Trifluoromethane over Activated Carbon: Role of the Surface Oxygen Groups. Progress in Reaction Kinetics and Mechanism, 2014, 39, 38-52.	1.1	1
48	Preparation of efficient ruthenium catalysts for ammonia synthesis via high surface area graphite dispersion. Reaction Kinetics, Mechanisms and Catalysis, 2014, 113, 361-374.	0.8	5
49	Direct Synthesis of Ruthenium-Containing Ordered Mesoporous Carbon with Tunable Embedding Degrees by Using a Boric Acid-Assisted Approach. ChemCatChem, 2014, 6, 353-360.	1.8	31
50	Geometric effect of Ru/HSAG@mSiO ₂ : a catalyst for selective hydrogenation of cinnamaldehyde. RSC Advances, 2014, 4, 30180-30185.	1.7	17
51	Effect of the graphitic degree of carbon supports on the catalytic performance of ammonia synthesis over Ba-Ru-K/HSGC catalyst. Journal of Energy Chemistry, 2014, 23, 443-452.	7.1	21
52	Activation of a Carbon Support Through a Two-Step Wet Oxidation and Highly Active Ruthenium-Activated Carbon Catalysts for the Hydrogenation of Benzene. ChemCatChem, 2014, 6, 572-579.	1.8	24
53	Effect of Sulfuric Acid on Textural Properties and Catalytic Performance of Ruthenium-Containing Ordered Mesoporous Carbon Prepared via a Direct RuCl ₃ /SBA-15 Hard Templated Method. Journal of Nanoscience and Nanotechnology, 2014, 14, 7131-7138.	0.9	4
54	Effect of Cr-doping on the acidity and pore structure of mesoporous magnesium fluoride. Chinese Journal of Catalysis, 2014, 34, 373-378.	6.9	0

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55	Enzyme confined in silica-based nanocages for biocatalysis in a Pickering emulsion. <i>Chemical Communications</i> , 2013, 49, 9558.	2.2	66
56	SiO ₂ -template synthesis of mesoporous MgF ₂ highly effective for Cl/F exchange reaction. <i>Journal of Fluorine Chemistry</i> , 2013, 150, 46-52.	0.9	16
57	Effect of pore structure of mesoporous carbon on its supported Ru catalysts for ammonia synthesis. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1395-1401.	6.9	13
58	Homogeneously dispersed gold nanoparticles stabilized on the walls of ordered mesoporous carbon via a simple and repeatable method with enhanced hydrogenation properties for nitro-group. <i>Microporous and Mesoporous Materials</i> , 2013, 173, 189-196.	2.2	7
59	Catalytic Performance of Bi-functional WC/HZSM-5 Catalysts for α -Hexane Aromatization. <i>Chinese Journal of Catalysis</i> , 2013, 33, 570-575.	6.9	3
60	Effect of Hydrothermal Treatment of Activated Carbon by Nitric Acid on Activity of Ba-Ru-K/AC Catalyst for Ammonia Synthesis. <i>Chinese Journal of Catalysis</i> , 2013, 33, 1191-1197.	6.9	0
61	Easy synthesis of iron doped ordered mesoporous carbon with tunable pore sizes. <i>Journal of Natural Gas Chemistry</i> , 2012, 21, 275-281.	1.8	6
62	Dual-functional click-triazole: a metal chelator and immobilization linker for the construction of a heterogeneous palladium catalyst and its application for the aerobic oxidation of alcohols. <i>Chemical Communications</i> , 2012, 48, 2979.	2.2	77
63	Controlled synthesis of highly dispersed semi-embedded ruthenium nanoparticles in porous carbon framework with more exposed active sites. <i>Catalysis Communications</i> , 2012, 20, 29-35.	1.6	38
64	Treatment of the potent greenhouse gas, CHF ₃ —An overview. <i>Journal of Fluorine Chemistry</i> , 2012, 140, 7-16.	0.9	79
65	Simple synthesis of semi-graphitized ordered mesoporous carbons with tunable pore sizes. <i>New Carbon Materials</i> , 2011, 26, 123-129.	2.9	17
66	Effects of Reaction Conditions on Performance of Ru Catalyst and Iron Catalyst for Ammonia Synthesis. <i>Chinese Journal of Chemical Engineering</i> , 2011, 19, 273-277.	1.7	15
67	An efficient route for the preparation of activated carbon supported ruthenium catalysts with high performance for ammonia synthesis. <i>Catalysis Today</i> , 2011, 174, 97-105.	2.2	44
68	Catalytic pyrolysis of CHF ₃ over activated carbon and activated carbon supported potassium catalyst. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 698-703.	0.9	16
69	Effect of Boron Nitride Support on Catalytic Activity of Ru-Ba/BN for Ammonia Synthesis. <i>Chinese Journal of Catalysis</i> , 2010, 31, 677-682.	6.9	0
70	Direct Hydrothermal Synthesis of Iron-Containing Mesoporous Silica SBA-15: Potential as a Support for Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21831-21839.	1.5	18
71	Surface functionalization of SBA-15-ordered mesoporous silicas: Oxidation of benzene to phenol by nitrous oxide. <i>Journal of Catalysis</i> , 2008, 255, 190-196.	3.1	46
72	Iron-functionalized Al-SBA-15 for benzene hydroxylation. <i>Chemical Communications</i> , 2008, , 774-776.	2.2	29

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73	Experimental Study on Degradation of 1Cr5Mo Steel Tubes in the Coking Furnace at Super Temperature. Key Engineering Materials, 2007, 345-346, 1067-1070.	0.4	0
74	Controlling Reaction Pathways for Alcohol Dehydration and Dehydrogenation over FeSBA-15 Catalysts. Catalysis Letters, 2007, 117, 18-24.	1.4	28
75	Preparation and characterization of ordered mesoporous carbons on SBA-15 template. Journal of Materials Chemistry, 2006, 16, 1350.	6.7	27
76	Effect of Aluminum on the Nature of the Iron Species in Fe-SBA-15. Journal of Physical Chemistry B, 2006, 110, 26114-26121.	1.2	69
77	Synthesis of bifunctionalized mesoporous organosilica spheres for high-performance liquid chromatography. Journal of Chromatography A, 2006, 1103, 257-264.	1.8	65
78	Pore size design of ordered mesoporous silicas by controlling micellar properties of triblock copolymer EO20PO70EO20. Microporous and Mesoporous Materials, 2006, 89, 179-185.	2.2	69
79	Mesoporous aluminosilicates synthesized with single molecular precursor (sec-BuO)2AlOSi(OEt)3 as aluminum source. Microporous and Mesoporous Materials, 2006, 91, 85-91.	2.2	17
80	Synthesis of mesoporous aluminosilicates with low Si/Al ratios using a single-source molecular precursor under acidic conditions. Journal of Porous Materials, 2006, 13, 187-193.	1.3	29
81	Direct synthesis of highly ordered Fe-SBA-15 mesoporous materials under weak acidic conditions. Microporous and Mesoporous Materials, 2005, 84, 41-49.	2.2	181
82	Hydrothermally Stable Thioether-Bridged Mesoporous Materials with Void Defects in the Pore Walls. Advanced Functional Materials, 2005, 15, 1297-1302.	7.8	107
83	Highly ordered periodic mesoporous ethanesilica synthesized under neutral conditions. Journal of Materials Chemistry, 2005, 15, 2562.	6.7	53
84	Aluminium-containing mesoporous benzene-silicas with crystal-like pore wall structure. Journal of Materials Chemistry, 2005, 15, 4268.	6.7	17
85	Dibenzodioxin Adsorption on Inorganic Materials. Langmuir, 2005, 21, 3877-3880.	1.6	11
86	Synthesis and Characterization of Phosphonic Acid Functionalized Organosilicas with Bimodal Nanostructure. Chemistry of Materials, 2005, 17, 3019-3024.	3.2	35
87	Enhancement of H_2 -oxygen formation and N_2O decomposition on Fe/ZSM-5 catalysts by extraframework Al. Chemical Communications, 2004, , 2480-2481.	2.2	27
88	Hydrothermal Stability and Catalytic Activity of Aluminum-Containing Mesoporous Ethane-silicas. Journal of Physical Chemistry B, 2004, 108, 7934-7937.	1.2	57
89	Direct Synthesis of Al-SBA-15 Mesoporous Materials via Hydrolysis-Controlled Approach. Journal of Physical Chemistry B, 2004, 108, 9739-9744.	1.2	236