Hongyao Li

List of Publications by Year
in descending order

64 papers	907 citations	471061 17 h-index	525886 27 g-index
64 all docs	64 docs citations	64 times ranked	1116 citing authors

#	Article	IF	Citations
1	Direct synthesis of H type ZSM-5 in shaped form and catalytic properties in methanol-to-hydrocarbon reaction. Journal of Porous Materials, 2022, 29, 1165-1175.	1.3	2
2	Novel synthesis and catalytic performance of hierarchical MOR. New Journal of Chemistry, 2021, 45, 8629-8638.	1.4	4
3	Seed-Assisted Synthesis and Catalytic Performance of Nano-sized ZSM-5 Aggregates in a One-Step Crystallization Process. Transactions of Tianjin University, 2020, 26, 292-304.	3.3	7
4	Synthesis of hierarchical ZSM-5 aggregates by an alkali-treated seeds method with cetyltrimethylammonium bromide for the methanol to gasoline reaction. Reaction Kinetics, Mechanisms and Catalysis, 2019, 128, 1079-1096.	0.8	14
5	Facile One-Pot Synthesis of ZSM-5 Aggregates with Inter- and Intra-Crystalline Mesopores for Methanol to Gasoline Conversion. Transactions of Tianjin University, 2019, 25, 9-22.	3.3	4
6	Post-treatment of TS-1 with Mixtures of TPAOH and Ammonium Salts and the Catalytic Properties in Propylene Epoxidation. Transactions of Tianjin University, 2018, 24, 461-470.	3.3	1
7	Effect of TS-1 Treatment by Mixed Alkaline on Propylene Epoxidation. Transactions of Tianjin University, 2018, 24, 25-31.	3.3	8
8	Facile synthesis of a superior MTP catalyst: Hierarchical micro-meso-macroporous ZSM-5 zeolites. Applied Catalysis A: General, 2018, 551, 34-48.	2.2	59
9	Seed-induced synthesis of multilamellar ZSM-5 nanosheets directed by amphiphilic organosilane. New Journal of Chemistry, 2018, 42, 17043-17055.	1.4	14
10	Effect of NaOH Treatment on Catalytic Performance of ZSM-5 in Cyclohexene Hydration. Transactions of Tianjin University, 2017, 23, 43-50.	3.3	5
11	CTAB resulted direct synthesis and properties of hierarchical ZSM-11/5 composite zeolite in the absence of template. Microporous and Mesoporous Materials, 2017, 243, 271-280.	2.2	36
12	Fluoride-treated HZSM-5 as a highly stable catalyst for the reaction of methanol to gasoline. Catalysis Today, 2017, 298, 226-233.	2.2	21
13	Controllable fabrication of single-crystalline, ultrafine and high-silica hierarchical ZSM-5 aggregates via solid-like state conversion. RSC Advances, 2017, 7, 25605-25620.	1.7	21
14	Effect of Extra-Framework Titanium in TS-1 on the Ammoximation of Cyclohexanone. Transactions of Tianjin University, 2017, 23, 230-236.	3.3	7
15	Preparation of hollow ZSM-11 and its enhanced catalytic properties in the methanol to hydrocarbons reaction. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 1231-1244.	0.8	4
16	Performance of Methanol-to-Olefins Catalytic Reactions by the Addition of PEG in the Synthesis of SAPO-34. Transactions of Tianjin University, 2017, 23, 501-510.	3.3	7
17	Adsorptive separation of ethylene/ethane mixtures with CuCl@HY adsorbent: equilibrium and reversibility. Journal of Porous Materials, 2017, 24, 713-719.	1.3	15
18	Selective CO adsorbent CuCl/AC prepared using CuCl₂ as a precursor by a facile method. RSC Advances, 2016, 6, 34439-34446.	1.7	48

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19	Ethylene/ethane separation by CuCl/AC adsorbent prepared using CuCl2 as a precursor. Adsorption, 2016, 22, 1013-1022.	1.4	29
20	Conversion of methanol to propylene over nano-sized ZSM-5 zeolite aggregates synthesized by a modified seed-induced method with CTAB. RSC Advances, 2016, 6, 76642-76651.	1.7	61
21	Ni3Bâ€“Ni nanocomposites for improved electrocatalytic activity in methanol oxidation reaction. Journal of Applied Electrochemistry, 2016, 46, 1177-1186.	1.5	8
22	Hydration of cyclohexene over zeolite ZSM-5: improved catalyst performance by alkali treatment. Reaction Kinetics, Mechanisms and Catalysis, 2016, 119, 671-683.	0.8	17
23	Direct synthesis of high-silica nano ZSM-5 aggregates with controllable mesoporosity and enhanced catalytic properties. RSC Advances, 2016, 6, 99129-99138.	1.7	24
24	Effects of the amount of tetrapropyl ammonium hydroxide in synthesis on TS-1 properties and catalytic performance in epoxidation of propylene. Transactions of Tianjin University, 2016, 22, 458-465.	3.3	4
25	Methanol to gasoline over zeolite ZSM-5: improved catalyst performance by treatment with HF. RSC Advances, 2016, 6, 58586-58593.	1.7	44
26	Synthesis of mesoporous titanium silicalite-1 with high stability in cyclohexanone ammoximation. Transactions of Tianjin University, 2016, 22, 254-260.	3.3	9
27	Liquid phase propylene epoxidation with H₂O₂on TS-1/SiO₂catalyst in a fixed-bed reactor: experiments and deactivation kinetics. Journal of Chemical Technology and Biotechnology, 2015, 90, 1489-1496.	1.6	14
28	Effect of triethylamine treatment of titanium silicalite-1 on cyclohexanone ammoximation in a continuous system. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 735-752.	0.8	17
29	Effect of triethylamine treatment of titanium silicalite-1 on propylene epoxidation. Frontiers of Chemical Science and Engineering, 2014, 8, 478-487.	2.3	13
30	Allyl chloride epoxidation with H2O2 on TS-1/SiO2 catalyst in a fixed-bed reactor: experiments and deactivation kinetics. Reaction Kinetics, Mechanisms and Catalysis, 2014, 112, 267-282.	0.8	7
31	Effect of sodium ions in synthesis of titanium silicalite-1 on its catalytic performance for cyclohexanone ammoximation. Frontiers of Chemical Science and Engineering, 2014, 8, 149-155.	2.3	11
32	Deactivation and regeneration of TS-1/SiO2 catalyst for epoxidation of propylene with hydrogen peroxide in a fixed-bed reactor. Frontiers of Chemical Science and Engineering, 2013, 7, 202-209.	2.3	5
33	A Novel Kinetics Study on H2O2 Decomposition inthe Propylene Epoxidation System in a Fixed-Bed Reactor. International Journal of Chemical Reactor Engineering, 2013, 11, 265-269.	0.6	2
34	Influence of Na+ on the synthesis of silicalite-1 catalysts for use in the vapor phase Beckmann rearrangement of cyclohexanone oxime. Frontiers of Chemical Science and Engineering, 2011, 5, 401-408.	2.3	5
35	Production of hydrogen by ethanol steam reforming over nickel-metal oxide catalysts prepared via urea-nitrate combustion method. International Journal of Energy Research, 2011, 35, 501-506.	2.2	35
36	Influence of Brâ” and Na+ in synthesis of Silicalite-1 on catalytic performance in vapor phase Beckmann rearrangement of cyclohexanone oxime. Journal of Molecular Catalysis A, 2011, 335, 105-111.	4.8	24

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37	Meso-macroporous monolithic CuOâ€“CeO2/Î³-Al2O3 catalysts and their catalytic performance for preferential oxidation of CO. Journal of Materials Science, 2010, 45, 5660-5668.	1.7	8
38	Photocatalytic H2 evolution from water in the presence of carbon dioxide over NiO/Ca2Fe2O5. Reaction Kinetics, Mechanisms and Catalysis, 2010, 99, 485.	0.8	14
39	Steam reforming of ethanol to hydrogen over nickel metal catalysts. International Journal of Energy Research, 2010, 34, n/a-n/a.	2.2	6
40	Oxidative conversion of methane to syngas on metallic Ni monolith with Mg promotion. Reaction Kinetics and Catalysis Letters, 2008, 93, 249-255.	0.6	0
41	Gasâ^'Liquidâ^'Liquid Three-Phase Reactive Extraction for the Hydrogen Peroxide Preparation by Anthraquinone Process. Industrial & Engineering Chemistry Research, 2008, 47, 7414-7418.	1.8	34
42	Epoxidation of cyclohexene on modified Ti-containing mesoporous MCM-41. Reaction Kinetics and Catalysis Letters, 2007, 90, 77-84.	0.6	3
43	Synthesis of Ti-HÎ² zeolites by liquid-solid isomorphous substitution and the catalytic properties in the vapor phase Beckmann rearrangement of cyclohexanone oxime. Reaction Kinetics and Catalysis Letters, 2007, 90, 365-372.	0.6	4
44	Photocatalytic hydrogen evolution from water on SiC under visible light irradiation. Reaction Kinetics and Catalysis Letters, 2007, 91, 13-19.	0.6	41
45	Oxidative desulfurization of model diesel oil over Ti-containing molecular sieves using hydrogen peroxide. Reaction Kinetics and Catalysis Letters, 2007, 92, 155-163.	0.6	32
46	Effects of organic solvent addition on the epoxidation of propene catalyzed by TS-1. Reaction Kinetics and Catalysis Letters, 2007, 92, 49-54.	0.6	4
47	Influence of seeds on the synthesis of TS-1 with inorganic materials. Reaction Kinetics and Catalysis Letters, 2006, 89, 219-227.	0.6	10
48	Partial oxidation of methane to syngas over nickel monolithic catalysts. AICHE Journal, 2006, 52, 4276-4279.	1.8	23
49	The beneficial effects of molybdenum addition on Niâ€“B amorphous alloy catalyst used in 2-ethylanthraquinone hydrogenation. Journal of Materials Science, 2005, 40, 6585-6588.	1.7	13
50	Influences of synthesis conditions on the content of framework Cu species in Cu-AlPO<Subscript>4</Subscript>-5 molecular sieve. Reaction Kinetics and Catalysis Letters, 2005, 84, 327-334.	0.6	22
51	Reaction mechanism of the ammoximation of ketones catalyzed by TS-1. Reaction Kinetics and Catalysis Letters, 2005, 87, 25-32.	0.6	14
52	GAS-AGITATED LIQUID AND OXIDATIVE EXTRACTION IN THE ALKYL ANTHRAQUINONE PROCESS FOR THE PREPARATION OF HYDROGEN PEROXIDE. Chemical Engineering Communications, 2004, 191, 1554-1563.	1.5	5
53	Synthesis of acetone oxime through acetone ammoximation over TS-1. Reaction Kinetics and Catalysis Letters, 2004, 82, 333-337.	0.6	15
54	Intrinsic kinetic study on the oxidation of 6-pentyl-1,2,3,4-tetrahydroanthacene-9,10-diol. Reaction Kinetics and Catalysis Letters, 2004, 83, 71-77.	0.6	1

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55	Kinetics of dehydrationâ€“polymerization of aspartic acid and synthesis of polyaspartate catalyzed by potassium bisulfate. Polymer International, 2004, 53, 156-162.	1.6	1
56	Process integration of H2O2 generation and the ammoximation of cyclohexanone. Journal of Chemical Technology and Biotechnology, 2004, 79, 658-662.	1.6	5
57	GAS-AGITATED EXTRACTION PROCESS FOR PREPARING OF HYDROGEN PEROXIDE. , 2004, , .		0
58	Effects of lanthanum addition on Ni-B amorphous alloy catalysts used in anthraquinone hydrogenation. Reaction Kinetics and Catalysis Letters, 2003, 80, 233-239.	0.6	6
59	Study on the Polymerization of Aspartic Acid Catalyzed by Phosphoric Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 293-307.	1.2	11
60	PROBING STUDY OF Rh CATALYSTS ON DIFFERENT SUPPORTS IN CO HYDROGENATION. Reaction Kinetics and Catalysis Letters, 2002, 76, 141-150.	0.6	8
61	SiO2-Supported Highly Dispersed Rh Catalysts. Reaction Kinetics and Catalysis Letters, 2001, 73, 381-389.	0.6	3
62	CO Hydrogenation Catalyzed by Supported Ni-Cu Bimetallic Catalysts. Reaction Kinetics and Catalysis Letters, 2000, 70, 213-217.	0.6	8
63	Effect of metal oxides on the reforming of methane with carbon dioxide. Reaction Kinetics and Catalysis Letters, 1999, 68, 183-190.	0.6	1
64	Dehydrocoupling of methanol to methyl formate overa a Cu/Cr2O3 catalyst. Reaction Kinetics and Catalysis Letters, 1999, 67, 305-310.	0.6	9