

Wen-Ying Li

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,854
citations

257450

24
h-index

276875

41
g-index

60
all docs

60
docs citations

60
times ranked

1705
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance NiMoS hydrodesulfurization catalysts by one-pot hydrothermal synthesis using Ni(acac) ₂ for sulfur-free liquid fuels. <i>Fuel Processing Technology</i> , 2022, 227, 107101.	7.2	14
2	Synthesis of Mesoporous Materials. <i>Engineering Materials</i> , 2022, , 113-173.	0.6	0
3	Octamolybdates containing MoV and MoVI sites supported on mesoporous tin oxide for oxidative desulfurization of liquid fuels. <i>Journal of Cleaner Production</i> , 2022, 334, 130199.	9.3	25
4	Ca-enhanced hematite oxygen carriers for chemical looping reforming of biomass pyrolyzed gas coupled with CO ₂ splitting. <i>Fuel</i> , 2021, 285, 119125.	6.4	22
5	Review on Hydrodesulfurization over Zeolite-Based Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3295-3323.	3.7	37
6	Influence of potassium carbonate catalysis and pre-treatment atmosphere on the textural, structural, and chemical properties of high and low rank coals blended with biomass and their reactivity under conventional and oxy-combustion processes. <i>Energy</i> , 2021, 220, 119602.	8.8	6
7	Co-production of Naphthenic Oil and Phenolic Compounds from Medium- and Low-Temperature Coal Tar. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 5890-5902.	3.7	13
8	Enrichment of polymeric WO _x species in WO _x @SnO ₂ catalysts for ultra-deep oxidative desulfurization of liquid fuels. <i>Fuel</i> , 2021, 290, 120036.	6.4	18
9	Effect of boron doping on the performance of Ni/Biochar catalysts for steam reforming of toluene as a tar model compound. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 155, 105033.	5.5	26
10	Synthesis of Ni/NiAlO _x Catalysts for Hydrogenation Saturation of Phenanthrene. <i>Frontiers in Chemistry</i> , 2021, 9, 757908.	3.6	5
11	Influence of Ni on the active phase and hydrodenitrogenation and hydrodesulfurization activities of MoS ₂ catalysts. <i>Journal of Fuel Chemistry and Technology</i> , 2021, 49, 1513-1521.	2.0	3
12	Functionalized Silicas for Metal-Free and Metal-Based Catalytic Applications: A Review in Perspective of Green Chemistry. <i>Chemical Record</i> , 2020, 20, 513-540.	5.8	13
13	Carbon dioxide reforming of methane over MgO-promoted Ni/SiO ₂ catalysts with tunable Ni particle size. <i>Catalysis Today</i> , 2020, 356, 589-596.	4.4	38
14	A comprehensive review on oxidative desulfurization catalysts targeting clean energy and environment. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2246-2285.	10.3	260
15	Acid pretreatment effect on oxygen migration during lignite pyrolysis. <i>Fuel</i> , 2020, 262, 116650.	6.4	18
16	Minimizing aromatics entrainment in dephenolization of coal-based liquids by deep eutectic solvents. <i>Chemical Engineering Science: X</i> , 2020, 8, 100070.	1.5	2
17	Molecular insights into the hydrodenitrogenation mechanism of pyridine over Pt/Al ₂ O ₃ catalysts. <i>Molecular Catalysis</i> , 2020, 495, 111148.	2.0	5
18	Comparative study on the activities of different MgO surfaces in CO ₂ activation and hydrogenation. <i>Catalysis Today</i> , 2020, 356, 535-543.	4.4	18

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19	Desulfurization on Boron Nitride and Boron Nitride-based Materials. Chemistry - an Asian Journal, 2020, 15, 2038-2059.	3.3	23
20	Promotional effect of TiO ₂ on quinoline hydrodenitrogenation activity over Pt/ γ -Al ₂ O ₃ catalysts. Chemical Engineering Science, 2019, 207, 1085-1095.	3.8	21
21	Investigation and optimization analysis on deployment of China coal chemical industry under carbon emission constraints. Applied Energy, 2019, 254, 113684.	10.1	60
22	Effect of preheating treatment on oxygen migration during lignite pyrolysis. Journal of Fuel Chemistry and Technology, 2019, 47, 1-8.	2.0	3
23	Metal precursor impregnation sequence effect on the structure and performance of Ni Co/MgO catalyst. International Journal of Hydrogen Energy, 2019, 44, 8089-8098.	7.1	12
24	A feasibility analysis of distributed power plants from agricultural residues resources gasification in rural China. Biomass and Bioenergy, 2019, 121, 1-12.	5.7	30
25	Pathway of biomass-potassium migration in co-gasification of coal and biomass. Fuel, 2019, 239, 365-372.	6.4	45
26	Low-Temperature Steam Reforming of Toluene and Biomass Tar over Biochar-Supported Ni Nanoparticles. ACS Sustainable Chemistry and Engineering, 2019, 7, 3111-3119.	6.7	111
27	Evaluation on a combined model for low-rank coal pyrolysis. Energy, 2019, 169, 1012-1021.	8.8	29
28	Catalytic upgrading of coal pyrolysis products over bio-char. Fuel Processing Technology, 2018, 176, 240-248.	7.2	61
29	Feasibility analysis of high- and low temperature Fischer-Tropsch synthesis integration in olefin production. Chemical Engineering Research and Design, 2018, 131, 92-103.	5.6	11
30	Self-activation of CaO/Ca ₃ Al ₂ O ₆ sorbents by thermally pretreated in CO ₂ atmosphere. Applied Energy, 2018, 220, 419-425.	10.1	13
31	Influence of calcination temperature on the structure and catalytic reforming performance of Ni/CaO-Al ₂ O ₃ catalyst. Journal of Fuel Chemistry and Technology, 2018, 46, 673-679.	2.0	7
32	The interaction between the char solid heat carrier and the volatiles during low-rank coal pyrolysis. Journal of Analytical and Applied Pyrolysis, 2018, 136, 160-168.	5.5	18
33	Effect of biomass ash addition on coal ash fusion process under CO ₂ atmosphere. Fuel, 2018, 231, 417-426.	6.4	27
34	Energy use, greenhouse gases emission and cost effectiveness of an integrated high- and low-temperature Fischer-Tropsch synthesis plant from a lifecycle viewpoint. Applied Energy, 2018, 228, 1009-1019.	10.1	36
35	Hydrogen production from vegetable oil via a chemical looping process with hematite oxygen carriers. Journal of Cleaner Production, 2018, 200, 588-597.	9.3	34
36	A feasibility study for CO ₂ recycle assistance with coke oven gas to synthetic natural gas. Applied Energy, 2017, 193, 149-161.	10.1	69

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37	Product distribution and interactive mechanism during co-pyrolysis of a subbituminous coal and its direct liquefaction residue. <i>Fuel</i> , 2017, 199, 372-379.	6.4	21
38	Enhanced CO ₂ sorption performance of CaO/Ca ₃ Al ₂ O ₆ sorbents and its sintering-resistance mechanism. <i>Applied Energy</i> , 2017, 199, 225-233.	10.1	57
39	Impact of biomass addition on organic structure and mineral matter of char during coal-biomass co-gasification under CO ₂ atmosphere. <i>Fuel</i> , 2017, 202, 556-562.	6.4	46
40	A theoretical study on the role of water and its derivatives in acetic acid steam reforming on Ni(111). <i>Applied Surface Science</i> , 2017, 419, 114-125.	6.1	17
41	Co-pyrolysis performance of coal and its direct coal liquefaction residue with solid heat carrier. <i>Fuel Processing Technology</i> , 2017, 166, 69-76.	7.2	24
42	Reaction pathway of CH ₄ /CO ₂ reforming over Ni ₈ /MgO(100). <i>Surface Science</i> , 2017, 660, 22-30.	1.9	13
43	Prediction of elemental composition of coal using proximate analysis. <i>Fuel</i> , 2017, 193, 315-321.	6.4	56
44	Density functional theory study of acetic acid steam reforming on Ni(111). <i>Applied Surface Science</i> , 2017, 400, 97-109.	6.1	27
45	Coke oven gas to methanol process integrated with CO ₂ recycle for high energy efficiency, economic benefits and low emissions. <i>Energy Conversion and Management</i> , 2017, 133, 318-331.	9.2	97
46	Comparative Analysis of Typical Low Rank Coal Pyrolysis Technology Based on a Nonlinear Programming Model. <i>Energy & Fuels</i> , 2017, 31, 12977-12987.	5.1	19
47	The oxygen evolution during pyrolysis of HunlunBuir lignite under different heating modes. <i>Fuel</i> , 2017, 207, 85-92.	6.4	31
48	Effect of adjusting coal properties on HulunBuir lignite pyrolysis. <i>Fuel Processing Technology</i> , 2017, 156, 415-420.	7.2	34
49	CO ₂ reforming of CH ₄ over a highly active and stable Ni Mg Al catalyst. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3036-3042.	7.1	14
50	Process Systems Engineering of High-low Temperature Fischer-Tropsch Synthesis Integration in Olefin Production. <i>Energy Procedia</i> , 2017, 142, 3049-3054.	1.8	1
51	Evolution properties of cellulose- and lignin-derived pyrolysis tars after interacting with coal chars. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 122, 332-341.	5.5	18
52	Process development of coke oven gas to methanol integrated with CO ₂ recycle for satisfactory techno-economic performance. <i>Energy</i> , 2016, 112, 618-628.	8.8	77
53	Semi-coke as solid heat carrier for low-temperature coal tar upgrading. <i>Fuel Processing Technology</i> , 2016, 143, 79-85.	7.2	34
54	Properties of semi-coke from co-pyrolysis of lignite and direct liquefaction residue of Shendong coal. <i>Journal of Fuel Chemistry and Technology</i> , 2015, 43, 1281-1286.	2.0	9

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55	Effect of the existing air pollutant control devices on mercury emission in coal-fired power plants. <i>Journal of Fuel Chemistry and Technology</i> , 2010, 38, 641-646.	2.0	57
56	Distribution of Nitrogen Species During Vitrinite Pyrolysis and Gasification. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2006, 28, 1075-1084.	2.3	0
57	Surface Properties and Reactivity of Iron-Doped Titanium Oxides Catalysts in Oxidative Dehydrogenation of Ethylbenzene with CO ₂ . <i>Petroleum Science and Technology</i> , 2006, 24, 963-972.	1.5	3
58	Formation of HCN and NH ₃ during coal macerals pyrolysis and gasification with CO ₂ . <i>Fuel</i> , 2005, 84, 271-277.	6.4	28
59	Oxidative Dehydrogenation of Ethylbenzene with Carbon Dioxide over Metal-Doped Titanium Oxides. <i>Catalysis Letters</i> , 2004, 93, 31-35.	2.6	14
60	Studies of the release rule of NO _x precursors during gasification of coal and its char. <i>Fuel Processing Technology</i> , 2003, 84, 243-254.	7.2	24