

Jie Mi

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,232
citations

279798

23
h-index

414414

32
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all docs

53
docs citations

53
times ranked

1361
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the effects of metal-ion doping on the structure and hot-coal-gas desulfurization properties of Zn-based sorbents supported on SBA-15. <i>Fuel</i> , 2022, 315, 123198.	6.4	12
2	Facile premixed flame synthesis C@Fe ₂ O ₃ /SWCNT as superior free-standing anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164247.	5.5	14
3	Insight to Se-doping effects on Fe ₇ S ₈ /carbon nanotubes composite as anode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2022, 536, 231458.	7.8	23
4	Ion regulation of hollow nickel cobalt layered double hydroxide nanocages derived from ZIF-67 for High-Performance supercapacitors. <i>Applied Surface Science</i> , 2022, 596, 153582.	6.1	41
5	Rational design of electrospun nanofibers for gas purification: Principles, opportunities, and challenges. <i>Chemical Engineering Journal</i> , 2022, 446, 137099.	12.7	27
6	Facile synthesis of carbon nanofiber confined FeS ₂ /Fe ₂ O ₃ heterostructures as superior anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2933-2943.	5.5	27
7	Structure Characteristics and Hot-Coal-Gas Desulfurization Properties of Zn-Based Sorbents Supported on Mesoporous Silica with Different Pore-Arrangement Patterns: A Comparison Study. <i>Energy & Fuels</i> , 2021, 35, 2456-2467.	5.1	12
8	Self-Template Synthesis of Nickel Cobalt Sulfide Hollow Nanotubes for High-Performance Battery-Type Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060510.	2.9	7
9	Mesoporous Zn-Fe-based binary metal oxide sorbent with sheet-shaped morphology: Synthesis and application for highly efficient desulfurization of hot coal gas. <i>Chemical Engineering Journal</i> , 2020, 389, 123750.	12.7	25
10	Desulfurization sorbents for green and clean coal utilization and downstream toxics reduction: A review and perspectives. <i>Journal of Cleaner Production</i> , 2020, 273, 123080.	9.3	35
11	Synthesis Gas Conversion to Lower Olefins over ZnCr ₂ SAPO ₃₄ Catalysts: Role of ZnO ²⁺ /ZnCr ₂ O ₄ Interface. <i>ChemCatChem</i> , 2020, 12, 4387-4395.	3.7	15
12	Preparation of mesoporous MCM ₄₁ supported zinc sorbents by microwave in situ oxidation for H ₂ S removal in coal gas. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1729-1740.	1.7	2
13	Microwave heating motivated performance promotion and kinetic study of iron oxide sorbent for coal gas desulfurization. <i>Fuel</i> , 2020, 267, 117215.	6.4	20
14	Nickel-doped cobalt molybdate nanorods with excellent cycle stability for aqueous asymmetric supercapacitor. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8853-8865.	7.1	22
15	Carbon nanotube-supported Cu-based catalysts for oxidative carbonylation of methanol to methyl carbonate: effect of nanotube pore size. <i>Catalysis Science and Technology</i> , 2020, 10, 2615-2626.	4.1	19
16	Fe-Based Sorbent for Hot Coal Gas under Microwave Irradiation: Desulfurization Performance and Microwave Effects. <i>Energy & Fuels</i> , 2019, 33, 9004-9013.	5.1	11
17	Sodium Storage in Coal/Biomass-Derived Carbon/Carbon 3D Networks. <i>ChemElectroChem</i> , 2019, 6, 4541-4544.	3.4	16
18	Bifunctional Template-Induced VO ₂ @SiO ₂ Dual-Shelled Hollow Nanosphere-Based Coatings for Smart Windows. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15960-15968.	8.0	26

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19	Adsorption dominant sodium storage in three-dimensional coal-based graphite microcrystal/graphene composites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7565-7572.	10.3	38
20	One-pot synthesis CoFe ₂ O ₄ /CNTs composite for asymmetric supercapacitor electrode. <i>Solid State Ionics</i> , 2019, 329, 15-24.	2.7	79
21	Surface and interface engineering for VO ₂ coatings with excellent optical performance: From theory to practice. <i>Materials Research Bulletin</i> , 2019, 109, 195-212.	5.2	23
22	Pyrolysis kinetics of ZnAl LDHs and its calcined products for H ₂ S removal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 581-589.	3.6	6
23	One-pot solvothermal synthesis 2D SnS ₂ /CNTs hybrid as a superior anode material for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 737, 92-98.	5.5	44
24	SnO ₂ nanoparticles confined by N-doped and CNTs-modified carbon fibers as superior anode material for sodium-ion battery. <i>Solid State Ionics</i> , 2018, 323, 105-111.	2.7	29
25	Low crystallinity SnS encapsulated in CNTs decorated and S-doped carbon nanofibers as excellent anode material for sodium-ion batteries. <i>Electrochimica Acta</i> , 2018, 279, 186-194.	5.2	70
26	Microwave-assisted one-pot synthesis of Fe ₂ O ₃ /CNTs composite as supercapacitor electrode materials. <i>Journal of Alloys and Compounds</i> , 2018, 765, 1263-1266.	5.5	43
27	Ordered mesoporous Zn-based supported sorbent synthesized by a new method for high-efficiency desulfurization of hot coal gas. <i>Chemical Engineering Journal</i> , 2018, 353, 273-287.	12.7	33
28	High-sulfur capacity and regenerable Zn-based sorbents derived from layered double hydroxide for hot coal gas desulfurization. <i>Journal of Hazardous Materials</i> , 2018, 360, 391-401.	12.4	33
29	Effect of preparation method of active component on the cycling performance of sorbents for hot coal gas clean-up. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2087-2095.	1.7	4
30	New Way of Removing Hydrogen Sulfide at a High Temperature: Microwave Desulfurization Using an Iron-Based Sorbent Supported on Active Coke. <i>Energy & Fuels</i> , 2017, 31, 4263-4272.	5.1	20
31	Insights to the microwave effect in the preparation of sorbent for H ₂ S removal: Desulfurization kinetics and characterization. <i>Fuel</i> , 2017, 203, 233-243.	6.4	11
32	Fixed-bed assisted synthesis SnO ₂ /SnS ₂ /CNTs composite for enhanced sodium storage performance. <i>Journal of Alloys and Compounds</i> , 2017, 717, 127-135.	5.5	27
33	Preparation and desulfurization kinetics of activated carbons from semi-coke of coal liquefaction residual. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 1593-1603.	3.6	14
34	In Situ Preparation and Regeneration Behaviors of Zinc Oxide/Red Clay Desulfurization Sorbents. <i>Energy & Fuels</i> , 2017, 31, 1015-1022.	5.1	15
35	Synthesis of Porous Cobalt Oxide and Its Performance for H ₂ S Removal at Room Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12621-12629.	3.7	22
36	Synthesis of Co ₃ O ₄ nanocubes/CNTs composite with enhanced sodium storage performance. <i>Solid State Ionics</i> , 2017, 312, 32-37.	2.7	23

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37	Hot Coal Gas Desulfurization Using Regenerable ZnO/MCM41 Prepared via One-Step Hydrothermal Synthesis. <i>Energy & Fuels</i> , 2017, 31, 9814-9823.	5.1	23
38	Mwcnts wrapped flower-like SnS composite as anode material for sodium-ion battery. <i>Materials Letters</i> , 2017, 209, 212-215.	2.6	16
39	Desulfurization of Hot Coal Gas over Regenerable Low-Cost Fe ₂ O ₃ /Mesoporous Al ₂ O ₃ Prepared by the Sol-Gel Method. <i>Energy & Fuels</i> , 2017, 31, 13921-13932.	5.1	21
40	Effects of Microwave Irradiation on the Structure of Zinc Oxide Sorbents for High Temperature Coal Gas Desulfurization. <i>Energy & Fuels</i> , 2017, 31, 8512-8520.	5.1	9
41	Evaluation of the cycling performance of a sorbent for H ₂ S removal and simulation of desulfurization-regeneration processes. <i>Chemical Engineering Journal</i> , 2017, 326, 1255-1265.	12.7	38
42	Regeneration performance and characteristic of iron oxide/arenaceous sorbents in the atmosphere of O ₂ /N ₂ . <i>Fuel</i> , 2016, 186, 838-845.	6.4	11
43	Effects of microwave irradiation on H ₂ S removal activity from hot coal gas by modified semicoke-supported ZnO sorbents. <i>Journal of Materials Science</i> , 2016, 51, 2850-2858.	3.7	9
44	Effect of microwave irradiation on the preparation of iron oxide/arenaceous clay sorbent for hot coal gas desulfurization. <i>Fuel Processing Technology</i> , 2016, 148, 35-42.	7.2	23
45	Microwave effects on the structure of CeO ₂ -doped zinc oxide sorbents for H ₂ S removal. <i>Fuel</i> , 2015, 146, 56-59.	6.4	31
46	Kinetics and activation energy of solvent swelling of coal altered by an ultrasonication-enhanced process. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 74-78.	2.7	1
47	Non-isothermal decomposition kinetics of FeC ₂ O ₄ ·2H ₂ O prepared by solid-state method aiming at the formation of Fe ₂ O ₃ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 947-953.	3.6	15
48	Removal of Sulfur Compounds by a Copper-Based Metal Organic Framework under Ambient Conditions. <i>Energy & Fuels</i> , 2015, 29, 298-304.	5.1	98
49	Regeneration characteristics and kinetics of Fe ₂ O ₃ /lignite semi-coke hot gas desulfurizer at O ₂ /N ₂ atmosphere. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 1083-1090.	3.6	4
50	The study of thermal decomposition kinetics of zinc oxide formation from zinc oxalate dihydrate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1119-1125.	3.6	27
51	Transition metals-Modified SAPO-34 for methanol conversion to light olefins. , 2013, , .		1
52	Preparation of Modified Semi-Coke-Supported ZnFe ₂ O ₄ Sorbent with the Assistance of Ultrasonic Irradiation. <i>Environmental Engineering Science</i> , 2012, 29, 1026-1031.	1.6	13
53	Regeneration of Fe ₂ O ₃ -based high-temperature coal gas desulfurization sorbent in atmosphere with sulfur dioxide. <i>Frontiers of Chemical Engineering in China</i> , 2010, 4, 423-428.	0.6	4