Jiang Deng

List of Publications by Year in descending order

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54	4,500	126708	155451
papers	citations	33 h-index	55 g-index

55	55	55	5896
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomass-derived carbon: synthesis and applications in energy storage and conversion. Green Chemistry, 2016, 18, 4824-4854.	4.6	735
2	Reactive Fe-Sites in Ni/Fe (Oxy)hydroxide Are Responsible for Exceptional Oxygen Electrocatalysis Activity. Journal of the American Chemical Society, 2017, 139, 11361-11364.	6.6	532
3	Inspired by bread leavening: one-pot synthesis of hierarchically porous carbon for supercapacitors. Green Chemistry, 2015, 17, 4053-4060.	4.6	397
4	Effects of Cellulose, Hemicellulose, and Lignin on the Structure and Morphology of Porous Carbons. ACS Sustainable Chemistry and Engineering, 2016, 4, 3750-3756.	3.2	261
5	Boosting Toluene Combustion by Engineering Coâ€“O Strength in Cobalt Oxide Catalysts. Environmental Science & Technology, 2020, 54, 10342-10350.	4.6	165
6	Asymmetric Flasklike Hollow Carbonaceous Nanoparticles Fabricated by the Synergistic Interaction between Soft Template and Biomass. Journal of the American Chemical Society, 2017, 139, 2657-2663.	6.6	139
7	Methane dry reforming over boron nitride interface-confined and LDHs-derived Ni catalysts. Applied Catalysis B: Environmental, 2019, 252, 86-97.	10.8	126
8	3D-interconnected hierarchical porous N-doped carbon supported ruthenium nanoparticles as an efficient catalyst for toluene and quinoline hydrogenation. Green Chemistry, 2016, 18, 6082-6090.	4.6	121
9	Morphology Dynamics of Single-Layered Ni(OH)₂/NiOOH Nanosheets and Subsequent Fe Incorporation Studied by in Situ Electrochemical Atomic Force Microscopy. Nano Letters, 2017, 17, 6922-6926.	4.5	121
10	Unraveling the effects of the coordination number of Mn over Î±-MnO2 catalysts for toluene oxidation. Chemical Engineering Journal, 2020, 396, 125192.	6.6	110
11	Promotional effects of B-terminated defective edges of Ni/boron nitride catalysts for coking- and sintering-resistant dry reforming of methane. Applied Catalysis B: Environmental, 2020, 267, 118692.	10.8	96
12	Ultramicroporous carbon cloth for flexible energy storage with high areal capacitance. Energy Storage Materials, 2017, 7, 216-221.	9.5	94
13	Controlled Synthesis of Ordered Mesoporous Carbohydrate-Derived Carbons with Flower-like Structure and N-Doping by Self-Transformation. Chemistry of Materials, 2014, 26, 6872-6877.	3.2	88
14	Selective catalytic oxidation of NH₃over noble metal-based catalysts: state of the art and future prospects. Catalysis Science and Technology, 2020, 10, 5792-5810.	2.1	82
15	SO₂-Tolerant NO_x Reduction by Marvelously Suppressing SO₂ Adsorption over Fe_{Î´}Ce_{1âˆ'Î´}VO₄ Catalysts. Environmental Science & Technology, 2020, 54, 14066-14075.	4.6	76
16	High-Performance Binary Moâ€“Ni Catalysts for Efficient Carbon Removal during Carbon Dioxide Reforming of Methane. ACS Catalysis, 2021, 11, 12087-12095.	5.5	61
17	Cooperatively enhanced coking resistance via boron nitride coating over Ni-based catalysts for dry reforming of methane. Applied Catalysis B: Environmental, 2022, 302, 120859.	10.8	61
18	Low-crystalline tungsten trioxide anode with superior electrochemical performance for flexible solid-state asymmetry supercapacitor. Journal of Materials Chemistry A, 2018, 6, 8986-8991.	5.2	58

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19	Structural Evolution of Metal (Oxy)hydroxide Nanosheets during the Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2019, 11, 5590-5594.	4.0	58
20	Creating Sandwich-like Ti₃C₂/TiO₂/rGO as Anode Materials with High Energy and Power Density for Li-Ion Hybrid Capacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 15394-15403.	3.2	57
21	Controlled synthesis of sustainable N-doped hollow core-mesoporous shell carbonaceous nanospheres from biomass. Nano Research, 2014, 7, 1809-1819.	5.8	52
22	Improved catalytic activity and stability for hydrogenation of levulinic acid by Ru/N-doped hierarchically porous carbon. Molecular Catalysis, 2018, 448, 100-107.	1.0	49
23	Acid Induced Self-Assembly Strategy to Synthesize Ordered Mesoporous Carbons from Biomass. ACS Sustainable Chemistry and Engineering, 2016, 4, 4473-4479.	3.2	48
24	Efficient synthesis of ultrafine Pd nanoparticles on an activated N-doping carbon for the decomposition of formic acid. Catalysis Communications, 2018, 108, 55-58.	1.6	48
25	SO₂-Tolerant Catalytic Reduction of NO_x via Tailoring Electron Transfer between Surface Iron Sulfate and Subsurface Ceria. Environmental Science & Technology, 2022, 56, 5840-5848.	4.6	48
26	SO₂-Induced Alkali Resistance of FeVO₄/TiO₂ Catalysts for NO_x Reduction. Environmental Science & Technology, 2022, 56, 605-613.	4.6	47
27	In Situ Synthesis of Chitin-Derived Rh/Nâ€“C Catalysts: Efficient Hydrogenation of Benzoic Acid and Derivatives. ACS Sustainable Chemistry and Engineering, 2017, 5, 9894-9902.	3.2	44
28	Hydrothermal synthesis of manganese oxide encapsulated multiporous carbon nanofibers for supercapacitors. Nano Research, 2016, 9, 2672-2680.	5.8	41
29	Synergistic Catalytic Elimination of NO_x and Chlorinated Organics: Cooperation of Acid Sites. Environmental Science & Technology, 2022, 56, 3719-3728.	4.6	41
30	Low-Temperature Combustion of Toluene over Cu-Doped SmMn₂O₅ Mullite Catalysts via Creating Highly Active Cu²⁺â€“Oâ€“Mn⁴⁺ Sites. Environmental Science & Technology, 2022, 56, 10433-10441.	4.6	40
31	Shape Engineering of Biomassâ€Derived Nanoparticles from Hollow Spheres to Bowls through Solventâ€Induced Buckling. ChemSusChem, 2018, 11, 2540-2546.	3.6	37
32	Coking-resistant dry reforming of methane over BNâ€“nanoceria interface-confined Ni catalysts. Catalysis Science and Technology, 2020, 10, 4237-4244.	2.1	37
33	Oxygen vacancies on the surface of H_xWO_{3â^'y} for enhanced charge storage. Journal of Materials Chemistry A, 2018, 6, 6780-6784.	5.2	36
34	Efficient NO_x Abatement over Alkali-Resistant Catalysts via Constructing Durable Dimeric VO_x Species. Environmental Science & Technology, 2022, 56, 2647-2655.	4.6	35
35	Boosting the Alkali/Heavy Metal Poisoning Resistance for NO Removal by Using Iron-Titanium Pillared Montmorillonite Catalysts. Journal of Hazardous Materials, 2020, 399, 122947.	6.5	34
36	Coking-resistant dry reforming of methane over Ni/Î³-Al2O3 catalysts by rationally steering metal-support interaction. IScience, 2021, 24, 102747.	1.9	34

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37	Sustainable and scalable synthesis of monodisperse carbon nanospheres and their derived superstructures. Green Chemistry, 2018, 20, 4596-4601.	4.6	31
38	Efficient Catalytic Hydrodeoxygenation of Aromatic Carbonyls over a Nitrogenâ€Doped Hierarchical Porous Carbon Supported Nickel Catalyst. ChemistrySelect, 2017, 2, 8486-8492.	0.7	29
39	Turning on electrocatalytic oxygen reduction by creating robust Feâ€“N_x species in hollow carbon frameworks via in situ growth of Fe doped ZIFs on g-C₃N₄. Nanoscale, 2020, 12, 5601-5611.	2.8	29
40	Organic-acid-assisted synthesis of a 3D lasagna-like Fe-N-doped CNTs-G framework: An efficient and stable electrocatalyst for oxygen reduction reactions. Nano Research, 2017, 10, 1258-1267.	5.8	28
41	Annular Mesoporous Carbonaceous Nanospheres from Biomass-Derived Building Units with Enhanced Biological Interactions. Chemistry of Materials, 2019, 31, 7186-7191.	3.2	28
42	Unraveling the Promotion Effects of Dynamically Constructed CuO_x-OH Interfacial Sites in the Selective Catalytic Oxidation of Ammonia. ACS Catalysis, 2022, 12, 3955-3964.	5.5	28
43	High-performance flexible redox supercapacitors induced by methylene blue with a wide voltage window. Sustainable Energy and Fuels, 2018, 2, 357-360.	2.5	27
44	Promoting toluene oxidation by engineering octahedral unitsviaoriented insertion of Cu ions in the tetrahedral sites of MnCo spinel oxide catalysts. Chemical Communications, 2020, 56, 6539-6542.	2.2	25
45	Nitrogen-doped flower-like porous carbon materials directed by in situ hydrolysed MgO: Promising support for Ru nanoparticles in catalytic hydrogenations. Nano Research, 2016, 9, 3129-3140.	5.8	24
46	Efficient catalytic combustion of toluene at low temperature by tailoring surficial Pt0 and interfacial Pt-Al(OH)x species. IScience, 2021, 24, 102689.	1.9	24
47	Oxygen Groups Immobilized on Micropores for Enhancing the Pseudocapacitance. ACS Sustainable Chemistry and Engineering, 2019, 7, 11407-11414.	3.2	23
48	Fe-, N-Embedded Hierarchically Porous Carbon Architectures Derived from FeTe-Trapped Zeolitic Imidazolate Frameworks as Efficient Oxygen Reduction Electrocatalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 19268-19276.	3.2	21
49	Sintering- and coking-resistant nickel catalysts embedded in boron nitride supported nickel aluminate spinels for dry reforming of methane. Applied Catalysis A: General, 2022, 642, 118706.	2.2	17
50	Cooperative chiral salen Ti^{IV} catalyst supported on ionic liquid-functionalized graphene oxide accelerates asymmetric sulfoxidation in water. Catalysis Science and Technology, 2017, 7, 5944-5952.	2.1	16
51	Coking- and Sintering-Resistant Ni Nanocatalysts Confined by Active BN Edges for Methane Dry Reforming. ACS Applied Materials & Interfaces, 2022, 14, 25439-25447.	4.0	14
52	Unraveling the promotional effects of NiCo catalysts over defective boron nitride nanosheets in dry reforming of methane. Catalysis Today, 2022, 402, 283-291.	2.2	11
53	Ultraviolet-responsive self-assembled metallomicelles for photocontrollable catalysis of asymmetric sulfoxidation in water. RSC Advances, 2017, 7, 54570-54580.	1.7	7
54	Promoting Dry Reforming of Methane Catalysed by Atomicallyâ€Dispersed Ni over Ceriaâ€Upgraded Boron Nitride. Chemistry - an Asian Journal, 2022, 17, .	1.7	6