

Bin Guan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,393
citations

567281

15
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1438
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of state of the art technologies of selective catalytic reduction of NO _x from diesel engine exhaust. Applied Thermal Engineering, 2014, 66, 395-414.	6.0	392
2	Review of the state-of-the-art of exhaust particulate filter technology in internal combustion engines. Journal of Environmental Management, 2015, 154, 225-258.	7.8	337
3	Influence of synthesis method on catalytic properties and hydrothermal stability of Cu/SSZ-13 for NH ₃ -SCR reaction. Chemical Engineering Journal, 2020, 379, 122358.	12.7	90
4	Cu/SSZ-13 zeolites prepared by in situ hydrothermal synthesis method as NH ₃ -SCR catalysts: Influence of the Si/Al ratio on the activity and hydrothermal properties. Fuel, 2019, 255, 115587.	6.4	69
5	Particle size distribution of nascent soot in lightly and heavily sooting premixed ethylene flames. Combustion and Flame, 2016, 165, 177-187.	5.2	67
6	In situ DRIFTS study of the mechanism of low temperature selective catalytic reduction over manganese-iron oxides. Chinese Journal of Catalysis, 2014, 35, 294-301.	14.0	53
7	Promotional effect and mechanism of the modification of Ce on the enhanced NH ₃ -SCR efficiency and the low temperature hydrothermal stability over Cu/SAPO-34 catalysts. Applied Catalysis A: General, 2021, 617, 118110.	4.3	48
8	The Diagnostics of Laser-Induced Fluorescence (LIF) Spectra of PAHs in Flame with TD-DFT: Special Focus on Five-Membered Ring. Journal of Physical Chemistry A, 2015, 119, 13009-13017.	2.5	46
9	Investigating the Role of CH ₂ Radicals in the HACA Mechanism. Journal of Physical Chemistry A, 2015, 119, 3261-3268.	2.5	45
10	Chemical Mechanism of Exhaust Gas Recirculation on Polycyclic Aromatic Hydrocarbons Formation Based on Laser-Induced Fluorescence Measurement. Energy & Fuels, 2018, 32, 7112-7124.	5.1	39
11	Electric field promoted ultra-lean methane oxidation over Pd-Ce-Zr catalysts at low temperature. Molecular Catalysis, 2018, 459, 78-88.	2.0	34
12	Catalytic Combustion of Lean Methane Assisted by an Electric Field over Mn _x Co _y Catalysts at Low Temperature. Journal of Physical Chemistry C, 2019, 123, 10377-10388.	3.1	29
13	Effect of sulfur poisoning on the performance and active sites of Cu/SSZ-13 catalyst. Chemical Engineering Science, 2020, 226, 115855.	3.8	26
14	Catalytic combustion of soot over Cu, Mn substitution CeZrO ₂ - nanocomposites catalysts prepared by self-propagating high-temperature synthesis method. Chemical Engineering Science, 2018, 189, 320-339.	3.8	24
15	Removal of NO _x with Selective Catalytic Reduction Based on Nonthermal Plasma Preoxidation. Industrial & Engineering Chemistry Research, 2011, 50, 5401-5413.	3.7	23
16	Search for the Optimizing Control Method of Compound Charge Compression Ignition (CCCI) Combustion in an Engine Fueled with Dimethyl Ether. Energy & Fuels, 2008, 22, 1581-1588.	5.1	14
17	The mechanism and kinetic analysis of C ₄ H ₄ + C ₄ H ₄ (but-1-ene-3-yne) reaction with features of H-transfer in combustion. International Journal of Hydrogen Energy, 2016, 41, 3249-3258.	7.1	12
18	Formation of the first aromatic ring through the self-recombination of but-1-ene-3-yne with H-assistance in combustion. International Journal of Hydrogen Energy, 2016, 41, 13736-13746.	7.1	11

#	ARTICLE	IF	CITATIONS
19	Promoting Effects of Barium Substitution on the Catalytic Performances of FeCeO ₂ for Soot Oxidation. Industrial & Engineering Chemistry Research, 2018, 57, 8635-8646.	3.7	9
20	Density functional theory researches for atomic structure, properties prediction, and rational design of selective catalytic reduction catalysts: Current progresses and future perspectives. Molecular Catalysis, 2021, 510, 111704.	2.0	7
21	Catalytic Combustion of Lean Methane Assisted by Electric Field over Pd/Co ₃ O ₄ Catalysts at Low Temperature. Journal of Shanghai Jiaotong University (Science), 2018, 23, 8-17.	0.9	6
22	Exploring the optimal ratio of elemental components of the Cu/SSZ-13 framework: the reformation of NH ₃ -SCR properties. New Journal of Chemistry, 2022, 46, 13593-13607.	2.8	5
23	Optimizing the distribution and proportion of various active sites for better NH ₃ -SCR property over Cu/SSZ-13. Environmental Science and Pollution Research, 2021, , 1.	5.3	3
24	Study on Oxidation Activity of CuCeZrO _x Doped with K for Diesel Engine Particles in NO/O ₂ . Journal of Shanghai Jiaotong University (Science), 2018, 23, 18-27.	0.9	2
25	Hydrothermal tolerance towards different temperature conditions over two typical Cu/CHA catalysts. Molecular Catalysis, 2021, 514, 111846.	2.0	2