

# 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	Exploring the optimal ratio of elemental components of the Cu/SSZ-13 framework: the reformation of NH <sub>3</sub> -SCR properties. <i>New Journal of Chemistry</i> , 2022, 46, 13593-13607.	2.8	5
2	Promotional effect and mechanism of the modification of Ce on the enhanced NH <sub>3</sub> -SCR efficiency and the low temperature hydrothermal stability over Cu/SAPO-34 catalysts. <i>Applied Catalysis A: General</i> , 2021, 617, 118110.	4.3	48
3	Density functional theory researches for atomic structure, properties prediction, and rational design of selective catalytic reduction catalysts: Current progresses and future perspectives. <i>Molecular Catalysis</i> , 2021, 510, 111704.	2.0	7
4	Hydrothermal tolerance towards different temperature conditions over two typical Cu/CHA catalysts. <i>Molecular Catalysis</i> , 2021, 514, 111846.	2.0	2
5	Optimizing the distribution and proportion of various active sites for better NH <sub>3</sub> -SCR property over Cu/SSZ-13. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	5.3	3
6	Influence of synthesis method on catalytic properties and hydrothermal stability of Cu/SSZ-13 for NH <sub>3</sub> -SCR reaction. <i>Chemical Engineering Journal</i> , 2020, 379, 122358.	12.7	90
7	Effect of sulfur poisoning on the performance and active sites of Cu/SSZ-13 catalyst. <i>Chemical Engineering Science</i> , 2020, 226, 115855.	3.8	26
8	Cu/SSZ-13 zeolites prepared by in situ hydrothermal synthesis method as NH <sub>3</sub> -SCR catalysts: Influence of the Si/Al ratio on the activity and hydrothermal properties. <i>Fuel</i> , 2019, 255, 115587.	6.4	69
9	Catalytic Combustion of Lean Methane Assisted by an Electric Field over Mn <sub>x</sub> /Co <sub>y</sub> Catalysts at Low Temperature. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10377-10388.	3.1	29
10	Study on Oxidation Activity of CuCeZrO <sub>x</sub> Doped with K for Diesel Engine Particles in NO/O <sub>2</sub> . <i>Journal of Shanghai Jiaotong University (Science)</i> , 2018, 23, 18-27.	0.9	2
11	Catalytic Combustion of Lean Methane Assisted by Electric Field over Pd/Co <sub>3</sub> O <sub>4</sub> Catalysts at Low Temperature. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2018, 23, 8-17.	0.9	6
12	Electric field promoted ultra-lean methane oxidation over Pd-Ce-Zr catalysts at low temperature. <i>Molecular Catalysis</i> , 2018, 459, 78-88.	2.0	34
13	Chemical Mechanism of Exhaust Gas Recirculation on Polycyclic Aromatic Hydrocarbons Formation Based on Laser-Induced Fluorescence Measurement. <i>Energy &amp; Fuels</i> , 2018, 32, 7112-7124.	5.1	39
14	Catalytic combustion of soot over Cu, Mn substitution CeZrO <sub>2</sub> - nanocomposites catalysts prepared by self-propagating high-temperature synthesis method. <i>Chemical Engineering Science</i> , 2018, 189, 320-339.	3.8	24
15	Promoting Effects of Barium Substitution on the Catalytic Performances of FeCeO <sub>2</sub> for Soot Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 8635-8646.	3.7	9
16	Formation of the first aromatic ring through the self-recombination of but-1-ene-3-yne with H-assistance in combustion. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 13736-13746.	7.1	11
17	The mechanism and kinetic analysis of C <sub>4</sub> H <sub>4</sub> +C <sub>4</sub> H <sub>4</sub> (but-1-ene-3-yne) reaction with features of H-transfer in combustion. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 3249-3258.	7.1	12
18	Particle size distribution of nascent soot in lightly and heavily sooting premixed ethylene flames. <i>Combustion and Flame</i> , 2016, 165, 177-187.	5.2	67

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19	The Diagnostics of Laser-Induced Fluorescence (LIF) Spectra of PAHs in Flame with TD-DFT: Special Focus on Five-Membered Ring. <i>Journal of Physical Chemistry A</i> , 2015, 119, 13009-13017.	2.5	46
20	Review of the state-of-the-art of exhaust particulate filter technology in internal combustion engines. <i>Journal of Environmental Management</i> , 2015, 154, 225-258.	7.8	337
21	Investigating the Role of CH <sub>2</sub> Radicals in the HACA Mechanism. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3261-3268.	2.5	45
22	In situ DRIFTS study of the mechanism of low temperature selective catalytic reduction over manganese-iron oxides. <i>Chinese Journal of Catalysis</i> , 2014, 35, 294-301.	14.0	53
23	Review of state of the art technologies of selective catalytic reduction of NO <sub>x</sub> from diesel engine exhaust. <i>Applied Thermal Engineering</i> , 2014, 66, 395-414.	6.0	392
24	Removal of NO <sub>x</sub> with Selective Catalytic Reduction Based on Nonthermal Plasma Preoxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 5401-5413.	3.7	23
25	Search for the Optimizing Control Method of Compound Charge Compression Ignition (CCCI) Combustion in an Engine Fueled with Dimethyl Ether. <i>Energy &amp; Fuels</i> , 2008, 22, 1581-1588.	5.1	14