

Baojuan Dou

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

527
citations

759233

12
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerium doped copper/ZSM-5 catalysts used for the selective catalytic reduction of nitrogen oxide with ammonia. <i>Chemical Engineering Journal</i> , 2015, 270, 549-556.	12.7	113
2	Highly efficient catalytic removal of ethyl acetate over Ce/Zr promoted copper/ZSM-5 catalysts. <i>Chemical Engineering Journal</i> , 2016, 285, 536-543.	12.7	89
3	Reaction mechanism and kinetics of CO oxidation over a CuO/Ce _{0.75} Zr _{0.25} O _{2-δ} catalyst. <i>Applied Catalysis A: General</i> , 2018, 565, 46-58.	4.3	55
4	Catalytic self-sustained combustion of toluene and reaction pathway over Cu _x Mn _{1-x} Ce _{0.75} Zr _{0.25} /TiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2019, 569, 66-74.	4.3	37
5	Enhanced removal of toluene by dielectric barrier discharge coupling with Cu-Ce-Zr supported ZSM-5/TiO ₂ /Al ₂ O ₃ . <i>Catalysis Communications</i> , 2017, 92, 15-18.	3.3	33
6	Efficient Hydrogen Peroxide (H ₂ O ₂) Synthesis by CaSnO ₃ via Two-Electron Water Oxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15005-15012.	6.7	31
7	Non-equilibrium plasma enhanced oxygen vacancies of CuO/CeO ₂ nanorod catalysts for toluene oxidation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107847.	6.7	25
8	Self-sustained combustion of carbon monoxide over CuCe _{0.75} Zr _{0.25} O _{2-δ} catalyst: Stability operation and reaction mechanism. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 5507-5515.	3.9	24
9	Transient behavior and reaction mechanism of CO catalytic ignition over a CuO-CeO ₂ mixed oxide. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 6493-6501.	3.9	19
10	Evolution behavior and active oxygen quantification of reaction mechanism on cube Cu ₂ O for CO self-sustained catalytic combustion and chemical-looping combustion. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121296.	20.2	19
11	Study on activity, stability limit and reaction mechanism of CO self-sustained combustion over the LaMnO ₃ , La _{0.9} Ce _{0.1} MnO ₃ and La _{0.9} Sr _{0.1} MnO ₃ perovskite catalysts using sugar agent. <i>Fuel</i> , 2021, 292, 120289.	6.4	17
12	A facilitated synthesis of hierarchically porous Cu-Ce-Zr catalyst using bacterial cellulose for VOCs oxidation. <i>Materials Chemistry and Physics</i> , 2019, 237, 121852.	4.0	12
13	Self-sustained combustion of CO with transient changes and reaction mechanism over CuCe _{0.75} Zr _{0.25} O _{2-δ} powder for honeycomb ceramic catalyst. <i>Fuel</i> , 2020, 263, 116637.	6.4	12
14	Effects of precursor concentration on morphologies of Cu ₂ O micro/nanocrystals and properties of CO self-sustained catalytic combustion. <i>Fuel</i> , 2021, 289, 119776.	6.4	10
15	Influence of Ce/Zr Ratio on the Synergistic Effect over CuCe _{1-x} Zr _x O _y /ZSM-5 Catalysts for the Self-Sustained Combustion of Carbon Monoxide. <i>Combustion Science and Technology</i> , 2017, 189, 1394-1415.	2.3	9
16	Alkali metal-resistant mechanism for selective catalytic reduction of nitric oxide over V ₂ O ₅ /HWO catalysts. <i>Fuel</i> , 2021, 304, 121445.	6.4	8
17	Self-sustained catalytic combustion of carbon monoxide ignited by dielectric barrier discharge. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 4193-4200.	3.9	7
18	Sol-gel enhanced mesoporous Cu-Ce-Zr catalyst for toluene oxidation. <i>Combustion Science and Technology</i> , 2018, 190, 878-892.	2.3	5

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19	Self-sustained CO Combustion Induced by $\text{CuCe}_{0.75}\text{Zr}_{0.25}\text{O}_y$ Catalysts with Different Pore-forming Methods. <i>Combustion Science and Technology</i> , 2020, , 1-13.	2.3	1
20	Catalytic oxidation of high-concentration CO over $\text{La}_{0.9}\text{M}_{0.1}\text{CoO}_3$ (M = Ce, Sr) facilely promoted by glucose. <i>New Journal of Chemistry</i> , 0, , .	2.8	1