

Chunbo Wang

List of Publications by Year in descending order

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14
papers

333
citations

1040056

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1125743

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all docs

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docs citations

14
times ranked

251
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of arsenic behavior during coal combustion: Volatilization, transformation, emission and removal technologies. <i>Progress in Energy and Combustion Science</i> , 2018, 68, 1-28.	31.2	147
2	Volatilization of Arsenic During Coal Combustion Based on Isothermal Thermogravimetric Analysis at 600–1500 °C. <i>Energy & Fuels</i> , 2016, 30, 6790-6798.	5.1	43
3	The effect of H ₂ O on formation mechanism of arsenic oxide during arsenopyrite oxidation: Experimental and theoretical analysis. <i>Chemical Engineering Journal</i> , 2020, 392, 123648.	12.7	29
4	DFT study of Se and SeO ₂ adsorbed on CaO (011) surface: Role of oxygen. <i>Applied Surface Science</i> , 2020, 510, 145488.	6.1	22
5	Volatilization of Arsenic in Coal during Isothermal Oxy-Fuel Combustion. <i>Energy & Fuels</i> , 2016, 30, 3479-3487.	5.1	21
6	Effect of CO ₂ in Flue Gas on Arsenic Adsorption over a Carbonaceous Surface. <i>Energy & Fuels</i> , 2019, 33, 4412-4419.	5.1	16
7	The effect of CO on the transformation of arsenic species: A quantum chemistry study. <i>Energy</i> , 2019, 187, 116024.	8.8	14
8	The effect of W and Mo modification on arsenic adsorption over Cu ³⁺ -Al ₂ O ₃ catalyst: Experimental and theoretical analysis. <i>Chemical Engineering Journal</i> , 2022, 432, 134376.	12.7	11
9	Adsorption mechanism and competitive adsorption of As ₂ O ₃ and NH ₃ molecules on CuO (111) surface: a DFT study. <i>Journal of Molecular Modeling</i> , 2021, 27, 178.	1.8	9
10	Formation and Reduction of NO ₂ in Fixed Bed Combustion of Coal Char under Oxy-Fuel Conditions: Experimental and Density Functional Theory Analysis. <i>Energy & Fuels</i> , 2020, 34, 6326-6337.	5.1	7
11	Removal of gas-phase arsenic and selenium in flue gas by a new combined spray-and-scattered-bubble technology based on ammonia desulfurization. <i>Science of the Total Environment</i> , 2021, 772, 145622.	8.0	7
12	Theoretical study of the reactions between arsenic and nitrogen oxides during coal combustion. <i>Journal of Molecular Modeling</i> , 2019, 25, 30.	1.8	4
13	Mechanism of the arsenic adsorption over Cu ³⁺ -Al ₂ O ₃ SCR catalyst: An experimental combined theoretical analysis. <i>Chemical Engineering Science</i> , 2022, 254, 117610.	3.8	3
14	Insight into the Mechanism and Effect of H ₂ O on CaO Sulfation by Density Functional Theory. <i>Energy & Fuels</i> , 2022, 36, 3749-3759.	5.1	0