

# Zehua Li

## List of Publications by Year in descending order

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28  
papers

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686830  
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752256  
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all docs

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docs citations

28  
times ranked

324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural ferruginous manganese ore for efficient immobilization of elemental mercury from coal combustion flue gas. Fuel, 2021, 283, 118946.	3.4	45
2	Cost-effective sulfurized sorbents derived from one-step pyrolysis of wood and scrap tire for elemental mercury removal from flue gas. Fuel, 2021, 285, 119221.	3.4	40
3	A kinetic study on char oxidation in mixtures of O <sub>2</sub> , CO <sub>2</sub> and H <sub>2</sub> O. Fuel Processing Technology, 2018, 179, 250-257.	3.7	34
4	Modeling Study of Selenium Migration Behavior in Wet Flue Gas Desulfurization Spray Towers. Environmental Science & Technology, 2020, 54, 16128-16137.	4.6	34
5	Kinetic Study on Coal Char Combustion in a Microfluidized Bed. Energy & Fuels, 2017, 31, 3243-3252.	2.5	23
6	Facile synthesis of phosphorus-doped porous biochars for efficient removal of elemental mercury from coal combustion flue gas. Chemical Engineering Journal, 2022, 432, 134440.	6.6	21
7	Steam gasification behavior during coal combustion and CaO regeneration in O <sub>2</sub> /CO <sub>2</sub> /steam atmosphere. Fuel, 2016, 184, 409-417.	3.4	19
8	Novel CO <sub>2</sub> sorbent: Ca(OH) <sub>2</sub> with high strength. Fuel Processing Technology, 2015, 131, 437-442.	3.7	18
9	A study of the effect of H <sub>2</sub> O on char oxidation during O <sub>2</sub> /H <sub>2</sub> O combustion using reactive dynamic simulation. Fuel, 2020, 280, 118713.	3.4	17
10	Enhanced mercury removal performance of Cu-Fe binary oxide sorbents modified by non-thermal plasma. Chemical Engineering Journal, 2021, 425, 131851.	6.6	17
11	Effect of CO <sub>2</sub> and H <sub>2</sub> O on Char Properties. Part 1: Pyrolysis Char Structure and Reactivity. Energy & Fuels, 2020, 34, 4243-4250.	2.5	16
12	Deactivation mechanism of KCl and K <sub>2</sub> SO <sub>4</sub> poisoned V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> catalyst on gaseous elemental mercury oxidation. Fuel, 2020, 278, 118245.	3.4	15
13	High-Efficiency CaO-Based Sorbent Modified by Aluminate Cement and Organic Fiber Through Wet Mixing Method. Industrial & Engineering Chemistry Research, 2019, 58, 22040-22047.	1.8	14
14	Limestone Decomposition in an O <sub>2</sub> /CO <sub>2</sub> /Steam Atmosphere Integrated with Coal Combustion. Energy & Fuels, 2016, 30, 5092-5100.	2.5	13
15	Pretreatment of Petroleum Coke To Enhance the Reactivity of Catalytic Gasification in Fluidized Beds. Energy & Fuels, 2018, 32, 8115-8120.	2.5	12
16	Potential hazards of novel waste-derived sorbents for efficient removal of mercury from coal combustion flue gas. Journal of Hazardous Materials, 2021, 412, 125226.	6.5	12
17	Removal of elemental mercury from coal combustion flue gas using bentonite modified with Ce-Fe binary oxides. Applied Surface Science, 2022, 590, 153090.	3.1	11
18	Kinetic Study of Coal Char Thermal Deactivation. Energy & Fuels, 2019, 33, 11959-11967.	2.5	8

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19	Effect of CO <sub>2</sub> and H <sub>2</sub> O on Char Properties. Part 2: <i>In Situ</i> and <i>Ex Situ</i> Char in Oxy-Steam Combustion. <i>Energy &amp; Fuels</i> , 2020, 34, 7554-7563.	2.5	7
20	Anomalous transverse optical phonons in SnTe and PbTe. <i>Physical Review B</i> , 2022, 105, .	1.1	7
21	Investigation of the anode reactions in solid oxide electrolyte based carbon fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10264-10274.	3.8	6
22	Phonon density of states in lanthanide-based nanocrystals. <i>Physical Review B</i> , 2020, 102, .	1.1	6
23	Investigation of the anode reactions in SO-DCFCs fueled by Sn–C mixture fuels. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 4435-4442.	2.4	5
24	Effect of Coal Combustion on the Reactivity of a CaO-Based Sorbent for CO <sub>2</sub> Capture. <i>Energy &amp; Fuels</i> , 2016, 30, 7571-7578.	2.5	4
25	Kinetic Study on Continuous Sampling of Coal Char from a Micro Fluidized Bed. <i>ACS Omega</i> , 2021, 6, 9086-9094.	1.6	4
26	Simultaneous catalytic oxidation of nitric oxide and elemental mercury over Cu-Fe binary oxide treated by oxygen non-thermal plasma. <i>Fuel</i> , 2022, 320, 123895.	3.4	4
27	Characterization of in-situ and cooling char from ten typical Chinese coals. <i>Combustion and Flame</i> , 2022, 238, 111884.	2.8	3
28	Effect of CO <sub>2</sub> and H <sub>2</sub> O on Char Properties. Part 3: Semi-Char from Continuous Sampling in a Microfluidized Bed. <i>Energy &amp; Fuels</i> , 2021, 35, 13124-13132.	2.5	2