

# Zehua Li

## List of Publications by Year in descending order

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28  
papers

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citations

686830

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752256

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Characterization of in-situ and cooling char from ten typical Chinese coals. <i>Combustion and Flame</i> , 2022, 238, 111884.	2.8	3
2	Facile synthesis of phosphorus-doped porous biochars for efficient removal of elemental mercury from coal combustion flue gas. <i>Chemical Engineering Journal</i> , 2022, 432, 134440.	6.6	21
3	Anomalous transverse optical phonons in SnTe and PbTe. <i>Physical Review B</i> , 2022, 105, .	1.1	7
4	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
5	Removal of elemental mercury from coal combustion flue gas using bentonite modified with Ce-Fe binary oxides. <i>Applied Surface Science</i> , 2022, 590, 153090.	3.1	11
6	Natural ferruginous manganese ore for efficient immobilization of elemental mercury from coal combustion flue gas. <i>Fuel</i> , 2021, 283, 118946.	3.4	45
7	Cost-effective sulfurized sorbents derived from one-step pyrolysis of wood and scrap tire for elemental mercury removal from flue gas. <i>Fuel</i> , 2021, 285, 119221.	3.4	40
8	Kinetic Study on Continuous Sampling of Coal Char from a Micro Fluidized Bed. <i>ACS Omega</i> , 2021, 6, 9086-9094.	1.6	4
9	Potential hazards of novel waste-derived sorbents for efficient removal of mercury from coal combustion flue gas. <i>Journal of Hazardous Materials</i> , 2021, 412, 125226.	6.5	12
10	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
11	Enhanced mercury removal performance of Cu-Fe binary oxide sorbents modified by non-thermal plasma. <i>Chemical Engineering Journal</i> , 2021, 425, 131851.	6.6	17
12	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. <i>Fuel</i> , 2020, 280, 118713.	3.4	17
13	Modeling Study of Selenium Migration Behavior in Wet Flue Gas Desulfurization Spray Towers. <i>Environmental Science &amp; Technology</i> , 2020, 54, 16128-16137.	4.6	34
14	Phonon density of states in lanthanide-based nanocrystals. <i>Physical Review B</i> , 2020, 102, .	1.1	6
15	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
16	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. <i>Fuel</i> , 2020, 278, 118245.	3.4	15
17	Effect of CO <sub>2</sub> and H <sub>2</sub> O on Char Properties. Part 1: Pyrolysis Char Structure and Reactivity. <i>Energy &amp; Fuels</i> , 2020, 34, 4243-4250.	2.5	16
18	Kinetic Study of Coal Char Thermal Deactivation. <i>Energy &amp; Fuels</i> , 2019, 33, 11959-11967.	2.5	8

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19	High-Efficiency CaO-Based Sorbent Modified by Aluminate Cement and Organic Fiber Through Wet Mixing Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22040-22047.	1.8	14
20	Pretreatment of Petroleum Coke To Enhance the Reactivity of Catalytic Gasification in Fluidized Beds. <i>Energy &amp; Fuels</i> , 2018, 32, 8115-8120.	2.5	12
21	A kinetic study on char oxidation in mixtures of O <sub>2</sub> , CO <sub>2</sub> and H <sub>2</sub> O. <i>Fuel Processing Technology</i> , 2018, 179, 250-257.	3.7	34
22	Kinetic Study on Coal Char Combustion in a Microfluidized Bed. <i>Energy &amp; Fuels</i> , 2017, 31, 3243-3252.	2.5	23
23	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
24	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
25	Steam gasification behavior during coal combustion and CaO regeneration in O <sub>2</sub> /CO <sub>2</sub> /steam atmosphere. <i>Fuel</i> , 2016, 184, 409-417.	3.4	19
26	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
27	Limestone Decomposition in an O <sub>2</sub> /CO <sub>2</sub> /Steam Atmosphere Integrated with Coal Combustion. <i>Energy &amp; Fuels</i> , 2016, 30, 5092-5100.	2.5	13
28	Novel CO <sub>2</sub> sorbent: Ca(OH) <sub>2</sub> with high strength. <i>Fuel Processing Technology</i> , 2015, 131, 437-442.	3.7	18