

# Changdong Sheng

## List of Publications by Year in descending order

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35  
papers

1,578  
citations

516561

16  
h-index

360920

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Char structure characterised by Raman spectroscopy and its correlations with combustion reactivity. Fuel, 2007, 86, 2316-2324.	3.4	520
2	Development of non-isothermal TGA&DSC for kinetics analysis of low temperature coal oxidation prior to ignition. Fuel, 2014, 118, 385-391.	3.4	168
3	Experimental study of ash formation during pulverized coal combustion in O <sub>2</sub> /CO <sub>2</sub> mixtures. Fuel, 2008, 87, 1297-1305.	3.4	126
4	Ash particle formation during O <sub>2</sub> /CO <sub>2</sub> combustion of pulverized coals. Fuel Processing Technology, 2007, 88, 1021-1028.	3.7	104
5	Influences of the Heat-Treatment Temperature and Inorganic Matter on Combustion Characteristics of Cornstalk Biochars. Energy & Fuels, 2012, 26, 209-218.	2.5	75
6	Fine Ash Formation during Pulverized Coal CombustionA Comparison of O <sub>2</sub> /CO <sub>2</sub> Combustion versus Air Combustion&. Energy & Fuels, 2007, 21, 435-440.	2.5	63
7	Influences of carbon structure on the reactivities of lignite char reacting with CO <sub>2</sub> and NO. Fuel Processing Technology, 2010, 91, 837-842.	3.7	59
8	Simulation of Acoustic Agglomeration Processes of Poly-Disperse Solid Particles. Aerosol Science and Technology, 2007, 41, 1-13.	1.5	56
9	Modelling of acoustic agglomeration processes using the direct simulation Monte Carlo method. Journal of Aerosol Science, 2006, 37, 16-36.	1.8	53
10	Wet Removal of Sulfur Dioxide and Nitric Oxide from Simulated Coal-Fired Flue Gas by UV/H <sub>2</sub> O <sub>2</sub> Advanced Oxidation Process. Energy & Fuels, 2010, 24, 4931-4936.	2.5	43
11	Effect of pyrolysis temperature on the char micro-structure and reactivity of NO reduction. Korean Journal of Chemical Engineering, 2009, 26, 895-901.	1.2	31
12	PM10 formation during the combustion of N <sub>2</sub> -char and CO <sub>2</sub> -char of Chinese coals. Proceedings of the Combustion Institute, 2013, 34, 2383-2392.	2.4	30
13	Characterization of Residual Carbon in Fly Ashes from Power Plants Firing Biomass. Energy & Fuels, 2013, 27, 898-907.	2.5	28
14	Transformation behaviors of excluded pyrite during O <sub>2</sub> /CO <sub>2</sub> combustion of pulverized coal. Asia-Pacific Journal of Chemical Engineering, 2010, 5, 304-309.	0.8	19
15	Comparison of Particle Size Evolution during Pulverized Coal Combustion in O <sub>2</sub> /CO <sub>2</sub> and O <sub>2</sub> /N <sub>2</sub> Atmospheres. Energy & Fuels, 2014, 28, 136-145.	2.5	18
16	Review on Self-Heating of Biomass Materials: Understanding and Description. Energy & Fuels, 2022, 36, 731-761.	2.5	18
17	Quantitative Analysis of NO <sub>x</sub> Reduction in Oxy-Coal Combustion. Energy & Fuels, 2011, 25, 1146-1152.	2.5	16
18	Self-Heating of Agricultural Residues During Storage and Its Impact on Fuel Properties. Energy & Fuels, 2018, 32, 4227-4236.	2.5	16

#	ARTICLE	IF	CITATIONS
19	Experimental research on influencing factors of wet removal of NO from coal-fired flue gas by UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation process. <i>Science China Technological Sciences</i> , 2010, 53, 1839-1846.	2.0	14
20	Modeling of a single char particle burning in oxygen-enriched O <sub>2</sub> /N <sub>2</sub> and O <sub>2</sub> /CO <sub>2</sub> environment with single film model. <i>Fuel</i> , 2016, 184, 905-914.	3.4	14
21	Impact of co-firing lean coal on NO <sub>x</sub> emission of a large-scale pulverized coal-fired utility boiler during partial load operation. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1273-1280.	1.2	14
22	Correlation of Sub-micrometer Ash Formation from Pulverized Biomass Combustion with Ash Composition. <i>Energy &amp; Fuels</i> , 2019, 33, 5893-5902.	2.5	14
23	Impact of Inorganic Matter on the Low-Temperature Oxidation of Cornstalk and Cellulose Chars. <i>Energy &amp; Fuels</i> , 2016, 30, 1783-1791.	2.5	12
24	Correlation of the Sub-micrometer Ash Yield from Pulverized Coal Combustion with Coal Ash Composition. <i>Energy &amp; Fuels</i> , 2018, 32, 9961-9970.	2.5	12
25	Modeling the Capture of KOH Vapor with Kaolin under Conditions of Pulverized Fuel-Fired Boilers. <i>Energy &amp; Fuels</i> , 2021, 35, 7050-7057.	2.5	9
26	Low temperature oxidation and its kinetics of cornstalk chars. <i>Fuel</i> , 2016, 184, 915-921.	3.4	7
27	Moisture Sorption Isotherm of Herbaceous and Agricultural Biomass. <i>Energy &amp; Fuels</i> , 2019, 33, 12480-12491.	2.5	7
28	Crude Oil Recovery from Oily Sludge Using Liquefied Dimethyl Ether Extraction: A Comparison with Conventional Extraction Methods. <i>Energy &amp; Fuels</i> , 2021, 35, 17810-17819.	2.5	7
29	Modeling K-Containing Vapors Transforming into Sub-micrometer Particles in Flue Gas of Pulverized Straw Combustion. <i>Energy &amp; Fuels</i> , 2020, 34, 440-449.	2.5	6
30	Reduction of Recycled NO <sub>x</sub> by Simulated Coal Volatiles in Oxy-Fuel Combustion. <i>Energy &amp; Fuels</i> , 2011, 25, 2608-2615.	2.5	5
31	Modeling the Vaporization of Inorganic Matter from a Single Coal Char Particle Burning in an O <sub>2</sub> /CO <sub>2</sub> Atmosphere. <i>Energy &amp; Fuels</i> , 2018, 32, 4323-4333.	2.5	5
32	Characterizing self-heating of cereal straws by isothermal microcalorimetry. <i>Thermochimica Acta</i> , 2021, 698, 178881.	1.2	3
33	Modelling Particle Size Distribution of Residual Fly Ash from Pulverized Biomass Combustion. <i>Journal of Biobased Materials and Bioenergy</i> , 2021, 15, 75-82.	0.1	2
34	Liquefied dimethyl ether based multi-stage extraction for high efficient oil recovery from spent bleaching clay. <i>Waste Management</i> , 2021, 136, 204-212.	3.7	2
35	Modeling the Process and Properties of Ash Formation during Pulverized Biomass Combustion. <i>Energies</i> , 2022, 15, 4417.	1.6	2