

# Calcium deactivation during the char-CO<sub>2</sub> gasification and the apparent reaction order

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synergistic interactions between biochar reacted with steam and CO <sub>2</sub> originating from a diffusion reaction state and intrinsic ash. <i>Fuel Processing Technology</i> , 2021, 215, 106754.	7.2	7
2	DFT study of the catalytic effect of Fe on the gasification of char-CO <sub>2</sub> . <i>Fuel</i> , 2021, 292, 120203.	6.4	15
3	Normalization of the power-law rate equation for determining the kinetic parameters of the char-CO <sub>2</sub> reaction. <i>Thermochimica Acta</i> , 2021, 700, 178933.	2.7	6
4	CO <sub>2</sub> char gasification: A systematic review from 2014 to 2020. <i>Energy Conversion and Management: X</i> , 2021, 10, 100060.	1.6	22
5	Recent progress on CO-rich syngas production via CO <sub>2</sub> gasification of various wastes: A critical review on efficiency, challenges and outlook. <i>Environmental Pollution</i> , 2021, 278, 116843.	7.5	36
6	Insights into the role of calcium during coal gasification in the presence of silicon and aluminum. <i>Fuel</i> , 2021, 302, 121134.	6.4	14
7	The Effects of Calcium Deactivation and Mass Transfer Limitations on the Measurement of Activation Energy in Char-Co <sub>2</sub> Gasification. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8	Effect of Ca/ Fe-based auxiliaries on anthracite char gasification under CO <sub>2</sub> atmosphere: Synergistic catalysis. <i>Thermochimica Acta</i> , 2022, 713, 179224.	2.7	9
9	Recent Progress on Hydrogen-Rich Syngas Production from Coal Gasification. <i>Processes</i> , 2023, 11, 1765.	2.8	6
10	Enhancing inter-particle microwave discharge for efficient coke-CO <sub>2</sub> gasification. <i>Fuel</i> , 2023, 351, 128817.	6.4	5
11	Steam gasification of tire char supported by catalysts based on biomass ashes. <i>Energy</i> , 2023, 285, 129378.	8.8	1
12	Characteristics and judgment of intrinsic gasification reaction in CO <sub>2</sub> atmosphere. <i>Thermochimica Acta</i> , 2023, 728, 179592.	2.7	1
13	Some new insights into the kinetic compensation effect in different diffusion-controlled domain for char-CO <sub>2</sub> gasification. <i>Renewable Energy</i> , 2023, 217, 119355.	8.9	1
14	Kinetic compensation effects of non-isothermal gasification in the diffusion control region. <i>Thermal Science and Engineering Progress</i> , 2023, 46, 102194.	2.7	1
15	Promoting effect of CO <sub>2</sub> on torrefaction of woody biomass. <i>Biomass Conversion and Biorefinery</i> , 0, , .	4.6	0
16	Synergistic effect mechanism of biomass ash-derived K-Ca-Si catalytic system on syngas production and reactivity characteristics of high-sulfur petroleum coke gasification. <i>Fuel</i> , 2024, 365, 131224.	6.4	0