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Progress in carbon fuel cells for clean coal technology pipeline

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International Journal of Energy Research, 2016, 40, 13-29.

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#	Paper	IF	Citations
20	Effect of reverse Boudouard reaction catalyst on the performance of solid oxide carbon fuel cells integrated with a dry gasifier. <i>Energy Conversion and Management</i> , <b>2016</b> , 130, 119-129	10.6	18
19	Long-term performance degradation study of solid oxide carbon fuel cells integrated with a steam gasifier. <i>Energy</i> , <b>2016</b> , 113, 1051-1061	7.9	15
18	Recent advances in high-temperature carbon-air fuel cells. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 460-490	35.4	69
17	Evaluation of steady-state characteristics for solid oxide carbon fuel cell short-stacks. <i>Applied Energy</i> , <b>2017</b> , 187, 886-898	10.7	10
16	Gasification, DICE, and direct carbon fuel cells for power, fuels, and chemicals production from low rank coals. <b>2017</b> , 217-237		1
15	Direct Carbon Fuel Cells. <b>2017</b> , 317-329		4
14	Current status of stationary fuel cells for coal power generation. <i>Clean Energy</i> , <b>2018</b> ,	4.7	9
13	A solid oxide carbon fuel cell operating on pomelo peel char with high power output. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 2514-2526	4.5	5
12	Demonstration of hydrogen production in a hybrid lignite-assisted solid oxide electrolysis cell. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 22770-22779	6.7	1
11	A steel slag-derived Boudouard reaction catalyst for improved performance of direct carbon solid oxide fuel cells. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 6970	4.5	5
10	A High-Performance Direct Carbon Fuel Cell with Reed Rod Biochar as Fuel. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, F175-F179	3.9	6
9	Purified high-sulfur coal as a fuel for direct carbon solid oxide fuel cells. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 2501-2513	4.5	9
8	Melting evaluation of a thermal energy storage unit with partially filled metal foam*. <i>International Journal of Energy Research</i> , <b>2020</b> ,	4.5	1
7	Perspectives on oxygen-based coal conversion towards zero-carbon power generation. <i>Energy</i> , <b>2020</b> , 196, 117074	7.9	2
6	Development of inexpensive perovskite Mn-based oxygen carriers using the waste manganese sand for chemical looping gasification. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 2416-2431	4.5	3
5	Design and analysis of a multi-stage axial turbine for gasified coal-water power system. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 7352-7365	4.5	1
4	Carbon Dioxide Emissions, Capture, Storage and Utilization: Review of Materials, Processes and Technologies. <i>Progress in Energy and Combustion Science</i> , <b>2022</b> , 89, 100965	33.6	26

- 3 An overview of direct carbon fuel cells and their promising potential on coupling with solar thermochemical carbon production. *Renewable and Sustainable Energy Reviews*, **2022**, 162, 112427 16.2 ○
- 2 Biochar electrocatalysts for clean energy applications. **2022**, 333-343
- 1 Recent Developments on Solid Oxide Fuel Cells Using Methane and other Related Hydrocarbons. **2022**, ○