

Gordon Parkinson

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

416
citations

759233

12
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of O-containing functional groups in biochar during the catalytic steam reforming of tar using the biochar as a catalyst. <i>Fuel</i> , 2019, 253, 441-448.	6.4	104
2	Microstructure control of oxygen permeation membranes with templated microchannels. <i>Journal of Materials Chemistry A</i> , 2014, 2, 410-417.	10.3	40
3	A microchanneled ceramic membrane for highly efficient oxygen separation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9641.	10.3	37
4	Hierarchically ordered porous Ni-based cathode-supported solid oxide electrolysis cells for stable CO ₂ electrolysis without safe gas. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24098-24102.	10.3	35
5	Improved gas diffusion within microchanneled cathode supports of SOECs for steam electrolysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19829-19835.	7.1	34
6	Microchanneled anode supports of solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2014, 42, 64-67.	4.7	30
7	Difference in tar reforming activities between biochar catalysts activated in H ₂ O and CO ₂ . <i>Fuel</i> , 2020, 271, 117636.	6.4	26
8	In situ SAXS studies of the pore development in biochar during gasification. <i>Carbon</i> , 2021, 172, 454-462.	10.3	24
9	Insights into the mechanism of tar reforming using biochar as a catalyst. <i>Fuel</i> , 2021, 296, 120672.	6.4	24
10	High performance anode with dendritic porous structure for low temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17849-17856.	7.1	18
11	Thin ceramic membrane with dendritic microchanneled sub structure and high oxygen permeation rate. <i>Journal of Membrane Science</i> , 2017, 541, 653-660.	8.2	17
12	Microchannel structure of ceramic membranes for oxygen separation. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3193-3199.	5.7	16
13	An azobenzene-based photoswitchable crystal growth modifier. <i>CrystEngComm</i> , 2017, 19, 1286-1293.	2.6	7
14	A self-heating oxygen pump using microchanneled ceramic membranes for portable oxygen supply. <i>Chemical Engineering Science</i> , 2018, 192, 541-550.	3.8	4