

Greg Perkins

List of Publications by Year in descending order

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28
papers

1,457
citations

516710

16
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

1328
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in liquefaction for the production of hydrocarbon biofuels. , 2022, , 127-176.		5
2	Fischer-Tropsch synthesis to hydrocarbon biofuels: Present status and challenges involved. , 2022, , 77-96.		5
3	Perspectives and economics of combining biomass liquefaction with solar PV for energy storage and electricity production. Energy Sources, Part B: Economics, Planning and Policy, 2021, 16, 118-134.	3.4	5
4	A critical review on the development and challenges of concentrated solar power technologies. Sustainable Energy Technologies and Assessments, 2021, 47, 101434.	2.7	34
5	Advances in the thermo-chemical production of hydrogen from biomass and residual wastes: Summary of recent techno-economic analyses. Bioresource Technology, 2020, 299, 122557.	9.6	104
6	Hybridization of ZSMâ€5 with Spinel Oxides for Biomass Vapour Upgrading. ChemCatChem, 2020, 12, 1403-1412.	3.7	11
7	A review on the production of renewable aviation fuels from the gasification of biomass and residual wastes. Bioresource Technology, 2020, 312, 123596.	9.6	171
8	Self-sustaining smouldering combustion of waste: A review on applications, key parameters and potential resource recovery. Fuel Processing Technology, 2020, 205, 106425.	7.2	56
9	A review on advanced catalytic co-pyrolysis of biomass and hydrogen-rich feedstock: Insights into synergistic effect, catalyst development and reaction mechanism. Bioresource Technology, 2020, 310, 123457.	9.6	130
10	Production of electricity and chemicals using gasification of municipal solid wastes. , 2020, , 3-39.		7
11	A 0-dimensional cavity growth submodel for use in reactor models of underground coal gasification. International Journal of Coal Science and Technology, 2019, 6, 334-353.	6.0	3
12	Recent advances in liquefaction technologies for production of liquid hydrocarbon fuels from biomass and carbonaceous wastes. Renewable and Sustainable Energy Reviews, 2019, 115, 109400.	16.4	66
13	Process development status of fast pyrolysis technologies for the manufacture of renewable transport fuels from biomass. Renewable and Sustainable Energy Reviews, 2018, 90, 292-315.	16.4	208
14	Underground coal gasification â€“ Part II: Fundamental phenomena and modeling. Progress in Energy and Combustion Science, 2018, 67, 234-274.	31.2	82
15	Underground coal gasification â€“ Part I: Field demonstrations and process performance. Progress in Energy and Combustion Science, 2018, 67, 158-187.	31.2	123
16	Mathematical modelling of in situ combustion and gasification. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2018, 232, 56-73.	1.4	12
17	What Does the Success of Tesla Mean for the Future Dynamics in the Global Automobile Sector?. Management and Organization Review, 2018, 14, 471-480.	2.1	39
18	Techno-economic comparison of the levelised cost of electricity generation from solar PV and battery storage with solar PV and combustion of bio-crude using fast pyrolysis of biomass. Energy Conversion and Management, 2018, 171, 1573-1588.	9.2	64

#	ARTICLE	IF	CITATIONS
19	Integration of biocrude production from fast pyrolysis of biomass with solar PV for dispatchable electricity production. Clean Energy, 2018, , .	3.2	6
20	Considerations for oxidant and gasifying medium selection in underground coal gasification. Fuel Processing Technology, 2017, 165, 145-154.	7.2	15
21	Production of power using underground coal gasification. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3653-3660.	2.3	10
22	Overview of underground coal gasification operations at Chinchilla, Australia. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3639-3646.	2.3	26
23	Unconventional Oil Production from Underground Coal Gasification and Gas to Liquids Technologies. , 2013, , .		5
24	Steady-State Model for Estimating Gas Production from Underground Coal Gasification. Energy & Fuels, 2008, 22, 3902-3914.	5.1	59
25	Modelling of Heat and Mass Transport Phenomena and Chemical Reaction in Underground Coal Gasification. Chemical Engineering Research and Design, 2007, 85, 329-343.	5.6	62
26	A Numerical Study of the Effects of Operating Conditions and Coal Properties on Cavity Growth in Underground Coal Gasification. Energy & Fuels, 2006, 20, 596-608.	5.1	70
27	A Mathematical Model for the Chemical Reaction of a Semi-infinite Block of Coal in Underground Coal Gasification. Energy & Fuels, 2005, 19, 1679-1692.	5.1	77
28	Coupling dominant surface submodels and complex physical process Computational Fluid Dynamics. ANZIAM Journal, 0, 45, 817.	0.0	1