

Greg Perkins

List of Publications by Year in descending order

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28
papers

1,457
citations

516215

16
h-index

642321

23
g-index

29
all docs

29
docs citations

29
times ranked

1328
citing authors

#	ARTICLE	IF	CITATIONS
1	Process development status of fast pyrolysis technologies for the manufacture of renewable transport fuels from biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 292-315.	8.2	208
2	A review on the production of renewable aviation fuels from the gasification of biomass and residual wastes. <i>Bioresource Technology</i> , 2020, 312, 123596.	4.8	171
3	A review on advanced catalytic co-pyrolysis of biomass and hydrogen-rich feedstock: Insights into synergistic effect, catalyst development and reaction mechanism. <i>Bioresource Technology</i> , 2020, 310, 123457.	4.8	130
4	Underground coal gasification “ Part I: Field demonstrations and process performance. <i>Progress in Energy and Combustion Science</i> , 2018, 67, 158-187.	15.8	123
5	Advances in the thermo-chemical production of hydrogen from biomass and residual wastes: Summary of recent techno-economic analyses. <i>Bioresource Technology</i> , 2020, 299, 122557.	4.8	104
6	Underground coal gasification “ Part II: Fundamental phenomena and modeling. <i>Progress in Energy and Combustion Science</i> , 2018, 67, 234-274.	15.8	82
7	A Mathematical Model for the Chemical Reaction of a Semi-infinite Block of Coal in Underground Coal Gasification. <i>Energy & Fuels</i> , 2005, 19, 1679-1692.	2.5	77
8	A Numerical Study of the Effects of Operating Conditions and Coal Properties on Cavity Growth in Underground Coal Gasification. <i>Energy & Fuels</i> , 2006, 20, 596-608.	2.5	70
9	Recent advances in liquefaction technologies for production of liquid hydrocarbon fuels from biomass and carbonaceous wastes. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109400.	8.2	66
10	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. <i>Energy Conversion and Management</i> , 2018, 171, 1573-1588.	4.4	64
11	Modelling of Heat and Mass Transport Phenomena and Chemical Reaction in Underground Coal Gasification. <i>Chemical Engineering Research and Design</i> , 2007, 85, 329-343.	2.7	62
12	Steady-State Model for Estimating Gas Production from Underground Coal Gasification. <i>Energy & Fuels</i> , 2008, 22, 3902-3914.	2.5	59
13	Self-sustaining smouldering combustion of waste: A review on applications, key parameters and potential resource recovery. <i>Fuel Processing Technology</i> , 2020, 205, 106425.	3.7	56
14	What Does the Success of Tesla Mean for the Future Dynamics in the Global Automobile Sector?. <i>Management and Organization Review</i> , 2018, 14, 471-480.	1.8	39
15	A critical review on the development and challenges of concentrated solar power technologies. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101434.	1.7	34
16	Overview of underground coal gasification operations at Chinchilla, Australia. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 3639-3646.	1.2	26
17	Considerations for oxidant and gasifying medium selection in underground coal gasification. <i>Fuel Processing Technology</i> , 2017, 165, 145-154.	3.7	15
18	Mathematical modelling of in situ combustion and gasification. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2018, 232, 56-73.	0.8	12

#	ARTICLE	IF	CITATIONS
19	Hybridization of ZSMâ€5 with Spinel Oxides for Biomass Vapour Upgrading. ChemCatChem, 2020, 12, 1403-1412.	1.8	11
20	Production of power using underground coal gasification. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3653-3660.	1.2	10
21	Production of electricity and chemicals using gasification of municipal solid wastes. , 2020, , 3-39.		7
22	Integration of biocrude production from fast pyrolysis of biomass with solar PV for dispatchable electricity production. Clean Energy, 2018, , .	1.5	6
23	Unconventional Oil Production from Underground Coal Gasification and Gas to Liquids Technologies. , 2013, , .		5
24	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.	1.8	5
25	Advances in liquefaction for the production of hydrocarbon biofuels. , 2022, , 127-176.		5
26	Fischer-Tropsch synthesis to hydrocarbon biofuels: Present status and challenges involved. , 2022, , 77-96.		5
27	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.	2.7	3
28	Coupling dominant surface submodels and complex physical process Computational Fluid Dynamics. ANZIAM Journal, 0, 45, 817.	0.0	1