Ã¶zgÃ¼n YÃ¼cel

List of Publications by Year
in descending order

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20 papers	608 citations	759233 12 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	577 citing authors

#	Article	IF	Citations
1	Predictive modeling of biomass gasification with machine learning-based regression methods. Energy, 2020, 191, 116541.	8.8	119
2	An artificial intelligence based approach to predicting syngas composition for downdraft biomass gasification. Energy, 2018, 165, 895-901.	8.8	95
3	Numerical and experimental investigation of hydrogen-rich syngas production via biomass gasification. International Journal of Hydrogen Energy, 2018, 43, 1105-1115.	7.1	65
4	Experimental study on hydrogen-rich syngas production via gasification of pine cone particles and wood pellets in a fixed bed downdraft gasifier. International Journal of Hydrogen Energy, 2019, 44, 17389-17396.	7.1	56
5	Development of a semi-empirical equilibrium model for downdraft gasification systems. Energy, 2017, 130, 86-98.	8.8	51
6	Kinetic modeling and simulation of throated downdraft gasifier. Fuel Processing Technology, 2016, 144, 145-154.	7.2	44
7	Comparison of the different artificial neural networks in prediction of biomass gasification products. International Journal of Energy Research, 2019, 43, 5992-6003.	4.5	41
8	Classification of solid fuels with machine learning. Fuel, 2020, 266, 117066.	6.4	28
9	Data-driven identification and model predictive control of biomass gasification process for maximum energy production. Energy, 2020, 195, 117037.	8.8	25
10	A comparison of machine learning algorithms for estimation of higher heating values of biomass and fossil fuels from ultimate analysis. Fuel, 2022, 320, 123971.	6.4	23
11	EVALUATING THE EFFECT OF BLENDING RATIO ON THE CO-GASIFICATION OF HIGH ASH COAL AND BIOMASS IN A FLUIDIZED BED GASIFIER USING MACHINE LEARNING. MuÄŸla Journal of Science and Technology, 2019, 5, 1-12.	0.1	13
12	Simulation and control of serviceable stratospheric balloons traversing a region via transport phenomena and PID. Aerospace Science and Technology, 2016, 53, 232-240.	4.8	12
13	Critical Review of Emulsion Stability and Characterization Techniques in Oil Processing. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	2.3	11
14	Comprehensive Study of Steam Reforming of Methane in Membrane Reactors. Journal of Energy Resources Technology, Transactions of the ASME, 2016, 138, .	2.3	10
15	Modelling and simulation of a moving interface problem: freeze drying of black tea extract. Heat and Mass Transfer, 2017, 53, 2143-2154.	2.1	9
16	Numerical Investigation ofÂFixed-Bed Downdraft Woody Biomass Gasification. , 2018, , 323-339.		3
17	PREDICTION OF PROXIMATE ANALYSIS AND PROCESS TEMPERATURE OF TORREFIED AND PYROLYZED WOOD PELLETS BY NEAR-INFRARED SPECTROSCOPY COUPLED WITH MACHINE LEARNING. MuÄŸla Journal of Science and Technology, 2020, 6, 99-110.	0.1	3
18	Performance Simulation of Serviceable Stratospheric Balloon Control Using MATLAB/Simulink. , 2016, , 177-184.		0

#	Article	IF	Citations
19	Effects of particle size and sintering atmosphere on the structure and performance of 316L/SiC composite hollow fiber membranes. Journal of Porous Materials, 0, , 1.	2.6	0
20	Development of a New Modelling Approach and Performance Evaluation of Meta-heuristic Optimization Algorithms for the Prediction of Kinetic Growth Parameters for Pseudomonas spp. in Fish. Journal of Pure and Applied Microbiology, 0, , .	0.9	0