Aristide Giuliano

List of Publications by Year
in descending order

24	692	567281 15	642732 23
papers	citations	h-index	g-index

25	25	25	785
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mitigation strategies for reducing air pollution. Environmental Science and Pollution Research, 2020, 27, 19226-19235.	5.3	118
2	Economic value and environmental impact analysis of lignocellulosic ethanol production: assessment of different pretreatment processes. Clean Technologies and Environmental Policy, 2019, 21, 637-654.	4.1	58
3	Cost-benefit analysis to support decarbonization scenario for 2030: A case study in Italy. Energy Policy, 2020, 137, 111137.	8.8	49
4	Co-gasification of coalâ€“petcoke and biomass in the Puertollano IGCC power plant. Chemical Engineering Research and Design, 2014, 92, 1428-1440.	5.6	48
5	Techno-Economic Assessment of Bio-Syngas Production for Methanol Synthesis: A Focus on the Waterâ€“Gas Shift and Carbon Capture Sections. Bioengineering, 2020, 7, 70.	3.5	43
6	Process Pathways Optimization for a Lignocellulosic Biorefinery Producing Levulinic Acid, Succinic Acid, and Ethanol. Industrial & Engineering Chemistry Research, 2016, 55, 10699-10717.	3.7	40
7	Process optimization of a multi-product biorefinery: The effect of biomass seasonality. Chemical Engineering Research and Design, 2016, 107, 236-252.	5.6	39
8	An integrated methodology for the economic and environmental assessment of a biorefinery supply chain. Chemical Engineering Research and Design, 2020, 160, 199-215.	5.6	34
9	Pure hydrogen co-production by membrane technology in an IGCC power plant with carbon capture. International Journal of Hydrogen Energy, 2018, 43, 19279-19292.	7.1	30
10	Valorization of OFMSW Digestate-Derived Syngas toward Methanol, Hydrogen, or Electricity: Process Simulation and Carbon Footprint Calculation. Processes, 2020, 8, 526.	2.8	30
11	Techno-economic assessment of a lignocellulosic biorefinery co-producing ethanol and xylitol or furfural. Computer Aided Chemical Engineering, 2018, , 585-590.	0.5	28
12	Towards Methanol Economy: A Techno-environmental Assessment for a Bio-methanol OFMSW/Biomass/Carbon Capture-based Integrated Plant. International Journal of Heat and Technology, 2019, 37, 665-674.	0.6	27
13	From Cardoon Lignocellulosic Biomass to Bio-1,4 Butanediol: An Integrated Biorefinery Model. Processes, 2020, 8, 1585.	2.8	25
14	Process Simulation and Environmental Aspects of Dimethyl Ether Production from Digestate-Derived Syngas. International Journal of Environmental Research and Public Health, 2021, 18, 807.	2.6	24
15	Techno-environmental Assessment of Two Biorefinery Systems to Valorize the Residual Lignocellulosic Biomass of the Basilicata Region. Mathematical Modelling of Engineering Problems, 2019, 6, 317-323.	0.5	20
16	Process Design of a Multi-Product Lignocellulosic Biorefinery. Computer Aided Chemical Engineering, 2015, , 1313-1318.	0.5	14
17	Optimization of a Multiproduct Lignocellulosic Biorefinery using a MILP Approximation. Computer Aided Chemical Engineering, 2014, , 1423-1428.	0.5	13
18	Techno-economic analysis of power and hydrogen co-production by an IGCC plant with CO2 capture based on membrane technology. Computer Aided Chemical Engineering, 2015, , 1373-1378.	0.5	13

#	Article	IF	Citations
19	Novel Air Pollution Measurement System Based on Ethereum Blockchain. Journal of Sensor and Actuator Networks, 2020, 9, 49.	3.9	13
20	Modeling of an air quality monitoring network with high space-time resolution. Computer Aided Chemical Engineering, 2018, 43, 193-198.	0.5	9
21	Pollution Dispersion from a Fire Using a Gaussian Plume Model. International Journal of Safety and Security Engineering, 2020, 10, 431-439.	1.0	7
22	Forecasting Model Validation of Particulate Air Pollution by Low Cost Sensors Data. Journal of Modeling and Optimization, 2019, 11, 63-68.	0.8	5
23	An optimization model for a biorefinery system based on process design and logistics. Computer Aided Chemical Engineering, 2019, 46, 265-270.	0.5	3
24	Process Simulation and Environmental Assessment of the Production of Dimethyl Ether from Digestate. Tecnica Italiana, 2020, 64, 173-178.	0.2	0