

# Aristide Giuliano

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

692  
citations

567144

15  
h-index

642610

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

785  
citing authors

#	ARTICLE	IF	CITATIONS
1	Process Simulation and Environmental Aspects of Dimethyl Ether Production from Digestate-Derived Syngas. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 807.	1.2	24
2	Cost-benefit analysis to support decarbonization scenario for 2030: A case study in Italy. <i>Energy Policy</i> , 2020, 137, 111137.	4.2	49
3	Techno-Economic Assessment of Bio-Syngas Production for Methanol Synthesis: A Focus on the Water-Gas Shift and Carbon Capture Sections. <i>Bioengineering</i> , 2020, 7, 70.	1.6	43
4	From Cardoon Lignocellulosic Biomass to Bio-1,4 Butanediol: An Integrated Biorefinery Model. <i>Processes</i> , 2020, 8, 1585.	1.3	25
5	Novel Air Pollution Measurement System Based on Ethereum Blockchain. <i>Journal of Sensor and Actuator Networks</i> , 2020, 9, 49.	2.3	13
6	An integrated methodology for the economic and environmental assessment of a biorefinery supply chain. <i>Chemical Engineering Research and Design</i> , 2020, 160, 199-215.	2.7	34
7	Valorization of OFMSW Digestate-Derived Syngas toward Methanol, Hydrogen, or Electricity: Process Simulation and Carbon Footprint Calculation. <i>Processes</i> , 2020, 8, 526.	1.3	30
8	Mitigation strategies for reducing air pollution. <i>Environmental Science and Pollution Research</i> , 2020, 27, 19226-19235.	2.7	118
9	Pollution Dispersion from a Fire Using a Gaussian Plume Model. <i>International Journal of Safety and Security Engineering</i> , 2020, 10, 431-439.	0.5	7
10	Process Simulation and Environmental Assessment of the Production of Dimethyl Ether from Digestate. <i>Tecnica Italiana</i> , 2020, 64, 173-178.	0.2	0
11	An optimization model for a biorefinery system based on process design and logistics. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 265-270.	0.3	3
12	Economic value and environmental impact analysis of lignocellulosic ethanol production: assessment of different pretreatment processes. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 637-654.	2.1	58
13	Towards Methanol Economy: A Techno-environmental Assessment for a Bio-methanol OFMSW/Biomass/Carbon Capture-based Integrated Plant. <i>International Journal of Heat and Technology</i> , 2019, 37, 665-674.	0.3	27
14	Techno-environmental Assessment of Two Biorefinery Systems to Valorize the Residual Lignocellulosic Biomass of the Basilicata Region. <i>Mathematical Modelling of Engineering Problems</i> , 2019, 6, 317-323.	0.3	20
15	Forecasting Model Validation of Particulate Air Pollution by Low Cost Sensors Data. <i>Journal of Modeling and Optimization</i> , 2019, 11, 63-68.	0.8	5
16	Pure hydrogen co-production by membrane technology in an IGCC power plant with carbon capture. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19279-19292.	3.8	30
17	Modeling of an air quality monitoring network with high space-time resolution. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 193-198.	0.3	9
18	Techno-economic assessment of a lignocellulosic biorefinery co-producing ethanol and xylitol or furfural. <i>Computer Aided Chemical Engineering</i> , 2018, , 585-590.	0.3	28

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19	Process Pathways Optimization for a Lignocellulosic Biorefinery Producing Levulinic Acid, Succinic Acid, and Ethanol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 10699-10717.	1.8	40
20	Process optimization of a multi-product biorefinery: The effect of biomass seasonality. <i>Chemical Engineering Research and Design</i> , 2016, 107, 236-252.	2.7	39
21	Techno-economic analysis of power and hydrogen co-production by an IGCC plant with CO2 capture based on membrane technology. <i>Computer Aided Chemical Engineering</i> , 2015, , 1373-1378.	0.3	13
22	Process Design of a Multi-Product Lignocellulosic Biorefinery. <i>Computer Aided Chemical Engineering</i> , 2015, , 1313-1318.	0.3	14
23	Co-gasification of coal&petcoke and biomass in the Puertollano IGCC power plant. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1428-1440.	2.7	48
24	Optimization of a Multiproduct Lignocellulosic Biorefinery using a MILP Approximation. <i>Computer Aided Chemical Engineering</i> , 2014, , 1423-1428.	0.3	13