Andres Philip Mayol

List of Publications by Year
in descending order

18 papers	**226** citations	1163117 **8** h-index	1372567 **10** g-index
18 all docs	**18** docs citations	**18** times ranked	**172** citing authors

#	Article	IF	Citations
1	Smart sustainable biorefineries for lignocellulosic biomass. Bioresource Technology, 2022, 344, 126215.	9.6	47
2	Microwave drying characteristics of microalgae (Chlorella vulgaris) for biofuel production. Clean Technologies and Environmental Policy, 2016, 18, 2441-2451.	4.1	42
3	Policy Development for Pandemic Response Using System Dynamics: a Case Study on COVID-19. Process Integration and Optimization for Sustainability, 2020, 4, 497-501.	2.6	23
4	A Multi-Objective Life Cycle Optimization Model of an Integrated Algal Biorefinery toward a Sustainable Circular Bioeconomy Considering Resource Recirculation. Energies, 2021, 14, 1416.	3.1	20
5	Optimizing Human Resource Allocation in Organizations During Crisis Conditions: a P-graph Approach. Process Integration and Optimization for Sustainability, 2017, 1, 59-68.	2.6	13
6	Systems Dynamics Modeling of Pandemic Influenza for Strategic Policy Development: a Simulation-Based Analysis of the COVID-19 Case. Process Integration and Optimization for Sustainability, 2021, 5, 461-474.	2.6	13
7	AI Methods for Modeling the Vacuum Drying Characteristics of Chlorococcum infusionum for Algal Biofuel Production. Process Integration and Optimization for Sustainability, 2021, 5, 247-256.	2.6	12
8	Multi-Objective Optimization of an Integrated Algal and Sludge-Based Bioenergy Park and Wastewater Treatment System. Sustainability, 2020, 12, 7793.	3.2	10
9	Application of Artificial Neural Networks in prediction of pyrolysis behavior for algal mat (LABLAB) biomass. , 2018, , .		8
10	Multi-objective optimization of water exchanges between a wastewater treatment facility and algal biofuel production plant. IOP Conference Series: Earth and Environmental Science, 2020, 463, 012050.	0.3	8
11	A Dynamic Sustainability Assessment of Algal Biorefineries for Biofuel Production. , 2019, , .		7
12	Optimal Synthesis of Algal Biorefineries for Biofuel Production Based on Techno-Economic and Environmental Efficiency. , 2019, , .		6
13	Early prediction of Spirulina platensis biomass yield for biofuel production using machine learning. Clean Technologies and Environmental Policy, 2022, 24, 2283-2293.	4.1	6
14	Life cycle validation study of algal biofuels in Philippines via CML impact assessment. , 2015, , .		5
15	Understanding of Determinants of Household Vehicle Ownership Level toward Urban Sustainable Transportation in Southeast Asia â€" A Case Study in Metro Manila. , 2018, , .		3
16	Prediction of Moisture Content of Chlorella vulgaris Microalgae Using Hybrid Evolutionary Computing and Neural Network Variants for Biofuel Production. , 2021, , .		2
17	Investigation of the Drying Characteristics of Seaweed using Offshore Dryer. , 2019, , .		1
18	Envinronmental Life Cycle Analysis of Algal Biorefineries for Biofuel Production Under the Circular Economy Concept. , 2020, , .		0