Ana M Macarulla-Arenaza

List of Publications by Year
in descending order

14 papers	205 citations	1477746 6 h-index	1281420 11 g-index
14 all docs	14 docs citations	14 times ranked	287 citing authors

#	Article	IF	Citations
1	Systematic Analysis and Design of Water Networks With Solar Photovoltaic Energy. IEEE Transactions on Engineering Management, 2022, 69, 628-638.	2.4	6
2	Is it feasible a massive deployment of low voltage direct current microgrids renewable-based? A technical and social sight. Renewable and Sustainable Energy Reviews, 2022, 161, 112198.	8.2	23
3	A case study comparison between photovoltaic and fossil generation based on direct current hybrid microgrids to power a service building. Journal of Cleaner Production, 2020, 244, 118870.	4.6	22
4	On Fault-Tolerant Control Systems: A Novel Reconfigurable and Adaptive Solution for Industrial Machines. IEEE Access, 2020, 8, 39322-39335.	2.6	2
5	A Methodology for Real-Time HiL Validation of Hydraulic-Press Controllers Based on Novel Modeling Techniques. IEEE Access, 2019, 7, 110541-110553.	2.6	4
6	Analysis and assessment of an off-grid services building through the usage of a DC photovoltaic microgrid. Sustainable Cities and Society, 2018, 38, 405-419.	5.1	29
7	Design of Sizing Algorithms for a Direct Current Off-Grid Photovoltaic Installation. IEEE Latin America Transactions, 2018, 16, 2168-2176.	1.2	6
8	SIMULACIÃ"N Y ANÃLISIS DE VIABILIDAD DE UNA INSTALACIÃ"N SOLAR FOTOVOLTAICA EN DC PARA UN EDIFICIO DE SERVICIOS AISLADO DE LA RED. Dyna (Spain), 2018, 93, 24-30.	0.1	2
9	Artificial neural network modelling of the bioethanol-to-olefins process on a HZSM-5 catalyst treated with alkali. Applied Soft Computing Journal, 2017, 58, 648-656.	4.1	9
10	Bridging the Gap between Real and Simulated Environments: A Hybrid Agent-Based Smart Home Simulator Architecture for Complex Systems. , 2016, , .		3
11	Evolutionary Dynamic Optimization of Control Trajectories for the Catalytic Transformation of the Bioethanol-To-Olefins Process using Neural Networks. , 2016, , .		0
12	Identification of influencing municipal characteristics regarding household waste generation and their forecasting ability in Biscay. Waste Management, 2015, 39, 26-34.	3.7	95
13	Energy Policy Scenarios of CCS Implementation in the Greek Electricity Sector. Energy Procedia, 2012, 23, 354-359.	1.8	4
14	A comparative study for energetic valorisation of partially digested sewage sludge. WIT Transactions on Ecology and the Environment, 2012, , .	0.0	0