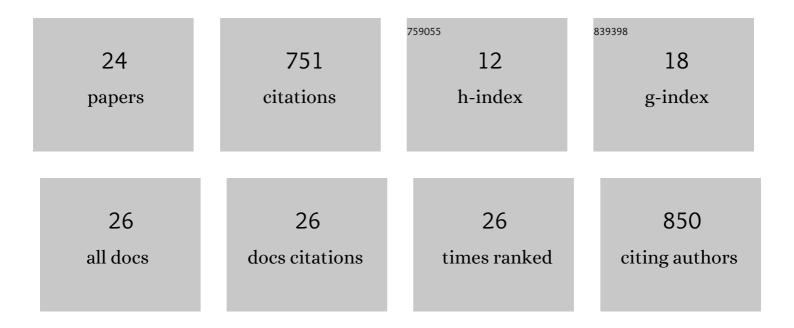
## Roberto Alvarez Fernandez

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6581550/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Model of efficient and sustainable improvements in a lean production system through processes of environmental innovation. Journal of Cleaner Production, 2013, 47, 141-148.	4.6	171
2	Fuel optimization strategy for hydrogen fuel cell range extender vehicles applying genetic algorithms. Renewable and Sustainable Energy Reviews, 2018, 81, 655-668.	8.2	105
3	A new approach to battery powered electric vehicles: A hydrogen fuel-cell-based range extender system. International Journal of Hydrogen Energy, 2016, 41, 4808-4819.	3.8	89
4	Redesigning an assembly line through lean manufacturing tools. International Journal of Advanced Manufacturing Technology, 2009, 43, 949-958.	1.5	78
5	A more realistic approach to electric vehicle contribution to greenhouse gas emissions in the city. Journal of Cleaner Production, 2018, 172, 949-959.	4.6	77
6	Materials flow improvement in a lean assembly line: a case study. Assembly Automation, 2007, 27, 141-147.	1.0	68
7	Analysis of low carbon super credit policy efficiency in European Union greenhouse gas emissions. Energy, 2015, 82, 996-1010.	4.5	26
8	A probabilistic approach for determining the influence of urban traffic management policies on energy consumption and greenhouse gas emissions from a battery electric vehicle. Journal of Cleaner Production, 2019, 236, 117604.	4.6	26
9	Method for assessing the environmental benefit of road transport electrification and its influence on greenhouse gas inventories. Journal of Cleaner Production, 2019, 218, 476-485.	4.6	20
10	Urban planning and industry in Spain: A novel methodology for calculating industrial carbon footprints. Energy Policy, 2015, 83, 57-68.	4.2	17
11	Fuel cell hybrid vehicles and their role in the decarbonisation of road transport. Journal of Cleaner Production, 2022, 342, 130902.	4.6	14
12	Optimization of a butterfly valve disc using 3D topology and genetic algorithms. Structural and Multidisciplinary Optimization, 2017, 56, 941-957.	1.7	13
13	Predictive model for energy consumption of battery electric vehicle with consideration of self-uncertainty route factors. Journal of Cleaner Production, 2020, 276, 124188.	4.6	13
14	Methodology to calculate the carbon footprint of household land use in the urban planning stage. Land Use Policy, 2015, 48, 223-235.	2.5	12
15	A simplified method to assess the influence of the power generation mix in urban carbon emissions. Energy, 2016, 115, 875-887.	4.5	8
16	lso-emission map: A proposal to compare the environmental friendliness of short sea shipping vs road transport. Transportation Research, Part D: Transport and Environment, 2019, 67, 596-609.	3.2	8
17	A performance-based design framework for enhancing decision-making at the conceptual phase of a motorcycle rear suspension development. Optimization and Engineering, 2020, 21, 1283-1317.	1.3	4
18	An improved route planner-simulator with battery performance considerations for Electric Vehicles.		1

, 2013, , .

#	Article	IF	CITATIONS
19	Evaluation of the Changes in Greenhouse Gas Emissions After Migration Towards Electric Mobility. Lecture Notes in Energy, 2019, , 133-148.	0.2	1
20	Introduction: Importance of Urban Planning and Carbon Footprint. SpringerBriefs in Applied Sciences and Technology, 2016, , 1-5.	0.2	0
21	An Analytic Expression for the Inverse Involute. Mathematical Problems in Engineering, 2019, 2019, 1-9.	0.6	0
22	PROPUESTA DE VEHÃCULO ACCESIBLE INSPIRADO EN EL BENCHMARKING COMO MÉTODO DE DISEÑO. Dyna (Spain), 2016, 91, 19-24.	0.1	0
23	Carbon Footprint Calculation. SpringerBriefs in Applied Sciences and Technology, 2016, , 21-24.	0.2	0
24	Assessing the Carbon Footprint of Urban Master Plan. SpringerBriefs in Applied Sciences and Technology, 2016, , 25-59.	0.2	0