

Roberto Alvarez Fernandez

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

751
citations

759055

12
h-index

839398

18
g-index

26
all docs

26
docs citations

26
times ranked

850
citing authors

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

#	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 VEHÍCULO ACCESIBLE INSPIRADO EN EL BENCHMARKING COMO MÃ%TODO DE DISEÃ'O. 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