M Socorro Garcia-Cascales

List of Publications by Year
in descending order

46 papers	1,880 citations	471509 17 h-index	330143 37 g-index
47 all docs	47 docs citations	47 times ranked	1767 citing authors

#	Article	IF	Citations
1	Fuzzy GIS-based MCDM solution for the optimal offshore wind site selection: The Gulf of Maine case. Renewable Energy, 2022, 183, 130-147.	8.9	41
2	Online Wind-Atlas Databases and GIS Tool Integration for Wind Resource Assessment: A Spanish Case Study. Energies, 2022, 15, 852.	3.1	2
3	Design of 3D Metric Geometry Study and Research Activities within a BIM Framework. Mathematics, 2022, 10, 1358.	2.2	1
4	Multifactorial Analysis to Determine the Applicability of Wind Power Technologies in Favorable Areas of the Colombian Territory. Wind, 2022, 2, 357-393.	1.5	2
5	Barriers behind the Retarded Shallow Geothermal Deployment in Specific Areas: A Comparative Case Study between Southern Spain and Germany. Energies, 2022, 15, 4596.	3.1	2
6	Urban Wind: An Alternative for Sustainable Cities. Energies, 2022, 15, 4759.	3.1	5
7	Spatial analysis of indicators affecting the exploitation of shallow geothermal energy at European scale. Renewable Energy, 2021, 167, 266-281.	8.9	25
8	Electric Vehicle and Renewable Energy Sources: Motor Fusion in the Energy Transition from a Multi-Indicator Perspective. Sustainability, 2021, 13, 3430.	3.2	14
9	MASTER TEACHING IN THE COVID 19 ERA: INTERACTIVE ACTIVITIES VS TRADITIONAL ACTIVITIES IN VIRTUAL ENVIRONMENTS. , 2021, , .		0
10	Evaluation of the Shallow Geothermal Potential for Heating and Cooling and Its Integration in the Socioeconomic Environment: A Case Study in the Region of Murcia, Spain. Energies, 2021, 14, 5740.	3.1	9
11	Multi-criteria analysis techniques to enhance sustainability of water pumping irrigation. Energy Reports, 2021, 7, 4623-4632.	5.1	4
12	Energy, economic and environmental GISâ€"based analysis of shallow geothermal potential in urban areasâ€"A Spanish case example. Sustainable Cities and Society, 2021, 75, 103267.	10.4	14
13	A Multi-Factorial Review of Repowering Wind Generation Strategies. Energies, 2021, 14, 6280.	3.1	5
14	Analysis and Comparison of Energy Efficiency Code Requirements for Buildings: A Moroccoâ€"Spain Case Study. Energies, 2020, 13, 5979.	3.1	21
15	Shallow Geothermal Potential Impact on the Energy Transition. A Case Study Region of Murcia, Spain. , 2020, , .		3
16	Life Cycle Analysis with Multi-Criteria Decision Making: A review of approaches for the sustainability evaluation of renewable energy technologies. Renewable and Sustainable Energy Reviews, 2019, 104, 343-366.	16.4	171
17	Net-Metering and Self-Consumption Analysis for Direct PV Groundwater Pumping in Agriculture: A Spanish Case Study. Applied Sciences (Switzerland), 2019, 9, 1646.	2.5	4
18	Categorization and Analysis of Relevant Factors for Optimal Locations in Onshore and Offshore Wind Power Plants: A Taxonomic Review. Journal of Marine Science and Engineering, 2019, 7, 391.	2.6	17

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19	Qualitative Analysis on Risk Assessment in Photovoltaic Installations: Case Study in the Dominican Republic. Lecture Notes in Management and Industrial Engineering, 2019, , 203-216.	0.4	0
20	Determination of the Optimal Size of Photovoltaic Systems by Using Multi-Criteria Decision-Making Methods. Sustainability, 2018, 10, 4594.	3.2	6
21	Selection of a fuzzy AHP-TOPSIS electrification system for an isolated rural area in southern México. , 2017, , .		1
22	Decision-Making for Risk Management in Sustainable Renewable Energy Facilities: A Case Study in the Dominican Republic. Sustainability, 2016, 8, 455.	3.2	48
23	Comparative TOPSIS-ELECTRE TRI methods for optimal sites for photovoltaic solar farms. Case study in Spain. Journal of Cleaner Production, 2016, 127, 387-398.	9.3	143
24	Obtaining the Decision Criteria and Evaluation of Optimal Sites for Renewable Energy Facilities Through a Decision Support System. Studies in Computational Intelligence, 2016, , 345-361.	0.9	1
25	The effects of photovoltaic electricity injection into microgrids: Combination of Geographical Information Systems, multicriteria decision methods and electronic control modeling. Energy Conversion and Management, 2015, 96, 89-99.	9.2	6
26	Environmental benefits of parking-integrated photovoltaics: a 222 kWp experience. Progress in Photovoltaics: Research and Applications, 2015, 23, 253-264.	8.1	7
27	Grid Stabilization Effect of Combined Electricity Generation from Wind and Photovoltaic Systems in Murcia, Spain. Advances in Environmental Engineering and Green Technologies Book Series, 2015, , 225-251.	0.4	0
28	GIS-based photovoltaic solar farms site selection using ELECTRE-TRI: Evaluating the case for Torre Pacheco, Murcia, Southeast of Spain. Renewable Energy, 2014, 66, 478-494.	8.9	184
29	Identification and selection of potential sites for onshore wind farms development in Region of Murcia, Spain. Energy, 2014, 73, 311-324.	8.8	80
30	Decision Criteria for Optimal Location of Wind Farms. Advances in Computational Intelligence and Robotics Book Series, 2014, , 199-215.	0.4	4
31	Geographical Information Systems (GIS) and Multi-Criteria Decision Making (MCDM) methods for the evaluation of solar farms locations: Case study in south-eastern Spain. Renewable and Sustainable Energy Reviews, 2013, 24, 544-556.	16.4	413
32	Decision Criteria for Optimal Location of Solar Plants: Photovoltaic and Thermoelectric. Green Energy and Technology, 2013, , 79-91.	0.6	7
33	Evaluation of photovoltaic cells in a multi-criteria decision making process. Annals of Operations Research, 2012, 199, 373-391.	4.1	69
34	The LTOPSIS: An alternative to TOPSIS decision-making approach for linguistic variables. Expert Systems With Applications, 2012, 39, 2119-2126.	7.6	60
35	On rank reversal and TOPSIS method. Mathematical and Computer Modelling, 2012, 56, 123-132.	2.0	277
36	Decision Making in Uncertain Rural Scenarios by means of Fuzzy TOPSIS Method. Advances in Decision Sciences, 2011, 2011, 1-15.	1.2	4

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37	Multi-criteria analysis for a maintenance management problem in an engine factory: rational choice. Journal of Intelligent Manufacturing, 2011, 22, 779-788.	7.3	28
38	Situations and problems of renewable energy in the Region of Murcia, Spain. Renewable and Sustainable Energy Reviews, 2010, 14, 1253-1262.	16.4	17
39	The TOPSIS Method and Its Application to Linguistic Variables. Studies in Fuzziness and Soft Computing, 2010, , 383-395.	0.8	1
40	Decision support in disinfection technologies for treated wastewater reuse. Journal of Cleaner Production, 2009, 17, 1504-1511.	9.3	97
41	Selection of a cleaning system for engine maintenance based on the analytic hierarchy process. Computers and Industrial Engineering, 2009, 56, 1442-1451.	6.3	54
42	ADAPTATION OF TOPSIS DECISION MAKING APPROACH FOR LINGUISTIC VARIABLES. , 2009, , .		0
43	THE USE OF DIFFERENT NORMS IN THE TOPSIS DECISION MAKING METHOD. , 2008, , .		0
44	Fuzzy Analytical Hierarchy Process in Maintenance Problem. Lecture Notes in Computer Science, 2008, , 815-824.	1.3	0
45	Solving a decision problem with linguistic information. Pattern Recognition Letters, 2007, 28, 2284-2294.	4.2	32
46	Grid Stabilization Effect of Combined Electricity Generation From Wind and Photovoltaic Systems in Murcia, Spain. , 0, , 590-617.		0