

M Socorro Garcia-Cascales

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,880
citations

471061

17
h-index

329751

37
g-index

47
all docs

47
docs citations

47
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Geographical Information Systems (GIS) and Multi-Criteria Decision Making (MCDM) methods for the evaluation of solar farms locations: Case study in south-eastern Spain. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 24, 544-556.	8.2	413
2	On rank reversal and TOPSIS method. <i>Mathematical and Computer Modelling</i> , 2012, 56, 123-132.	2.0	277
3	GIS-based photovoltaic solar farms site selection using ELECTRE-TRI: Evaluating the case for Torre Pacheco, Murcia, Southeast of Spain. <i>Renewable Energy</i> , 2014, 66, 478-494.	4.3	184
4	Life Cycle Analysis with Multi-Criteria Decision Making: A review of approaches for the sustainability evaluation of renewable energy technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 104, 343-366.	8.2	171
5	Comparative TOPSIS-ELECTRE TRI methods for optimal sites for photovoltaic solar farms. Case study in Spain. <i>Journal of Cleaner Production</i> , 2016, 127, 387-398.	4.6	143
6	Decision support in disinfection technologies for treated wastewater reuse. <i>Journal of Cleaner Production</i> , 2009, 17, 1504-1511.	4.6	97
7	Identification and selection of potential sites for onshore wind farms development in Region of Murcia, Spain. <i>Energy</i> , 2014, 73, 311-324.	4.5	80
8	Evaluation of photovoltaic cells in a multi-criteria decision making process. <i>Annals of Operations Research</i> , 2012, 199, 373-391.	2.6	69
9	The LTOPSIS: An alternative to TOPSIS decision-making approach for linguistic variables. <i>Expert Systems With Applications</i> , 2012, 39, 2119-2126.	4.4	60
10	Selection of a cleaning system for engine maintenance based on the analytic hierarchy process. <i>Computers and Industrial Engineering</i> , 2009, 56, 1442-1451.	3.4	54
11	Decision-Making for Risk Management in Sustainable Renewable Energy Facilities: A Case Study in the Dominican Republic. <i>Sustainability</i> , 2016, 8, 455.	1.6	48
12	Fuzzy GIS-based MCDM solution for the optimal offshore wind site selection: The Gulf of Maine case. <i>Renewable Energy</i> , 2022, 183, 130-147.	4.3	41
13	Solving a decision problem with linguistic information. <i>Pattern Recognition Letters</i> , 2007, 28, 2284-2294.	2.6	32
14	Multi-criteria analysis for a maintenance management problem in an engine factory: rational choice. <i>Journal of Intelligent Manufacturing</i> , 2011, 22, 779-788.	4.4	28
15	Spatial analysis of indicators affecting the exploitation of shallow geothermal energy at European scale. <i>Renewable Energy</i> , 2021, 167, 266-281.	4.3	25
16	Analysis and Comparison of Energy Efficiency Code Requirements for Buildings: A Moroccoâ€œSpain Case Study. <i>Energies</i> , 2020, 13, 5979.	1.6	21
17	Situations and problems of renewable energy in the Region of Murcia, Spain. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1253-1262.	8.2	17
18	Categorization and Analysis of Relevant Factors for Optimal Locations in Onshore and Offshore Wind Power Plants: A Taxonomic Review. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 391.	1.2	17

#	ARTICLE	IF	CITATIONS
19	Electric Vehicle and Renewable Energy Sources: Motor Fusion in the Energy Transition from a Multi-Indicator Perspective. Sustainability, 2021, 13, 3430.	1.6	14
20	Energy, economic and environmental GIS-based analysis of shallow geothermal potential in urban areas—A Spanish case example. Sustainable Cities and Society, 2021, 75, 103267.	5.1	14
21	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.	1.6	9
22	Environmental benefits of parking-integrated photovoltaics: a 222-kWp experience. Progress in Photovoltaics: Research and Applications, 2015, 23, 253-264.	4.4	7
23	Decision Criteria for Optimal Location of Solar Plants: Photovoltaic and Thermoelectric. Green Energy and Technology, 2013, , 79-91.	0.4	7
24	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.	4.4	6
25	Determination of the Optimal Size of Photovoltaic Systems by Using Multi-Criteria Decision-Making Methods. Sustainability, 2018, 10, 4594.	1.6	6
26	A Multi-Factorial Review of Repowering Wind Generation Strategies. Energies, 2021, 14, 6280.	1.6	5
27	Urban Wind: An Alternative for Sustainable Cities. Energies, 2022, 15, 4759.	1.6	5
28	Decision Making in Uncertain Rural Scenarios by means of Fuzzy TOPSIS Method. Advances in Decision Sciences, 2011, 2011, 1-15.	1.4	4
29	Net-Metering and Self-Consumption Analysis for Direct PV Groundwater Pumping in Agriculture: A Spanish Case Study. Applied Sciences (Switzerland), 2019, 9, 1646.	1.3	4
30	Multi-criteria analysis techniques to enhance sustainability of water pumping irrigation. Energy Reports, 2021, 7, 4623-4632.	2.5	4
31	Decision Criteria for Optimal Location of Wind Farms. Advances in Computational Intelligence and Robotics Book Series, 2014, , 199-215.	0.4	4
32	Shallow Geothermal Potential Impact on the Energy Transition. A Case Study Region of Murcia, Spain. , 2020, , .		3
33	Online Wind-Atlas Databases and GIS Tool Integration for Wind Resource Assessment: A Spanish Case Study. Energies, 2022, 15, 852.	1.6	2
34	Multifactorial Analysis to Determine the Applicability of Wind Power Technologies in Favorable Areas of the Colombian Territory. Wind, 2022, 2, 357-393.	0.6	2
35	Barriers behind the Retarded Shallow Geothermal Deployment in Specific Areas: A Comparative Case Study between Southern Spain and Germany. Energies, 2022, 15, 4596.	1.6	2
36	The TOPSIS Method and Its Application to Linguistic Variables. Studies in Fuzziness and Soft Computing, 2010, , 383-395.	0.6	1

#	ARTICLE	IF	CITATIONS
37	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.	0.7	1
38	Selection of a fuzzy AHP-TOPSIS electrification system for an isolated rural area in southern MÃ©xico. , 2017, , .		1
39	Design of 3D Metric Geometry Study and Research Activities within a BIM Framework. Mathematics, 2022, 10, 1358.	1.1	1
40	THE USE OF DIFFERENT NORMS IN THE TOPSIS DECISION MAKING METHOD. , 2008, , .		0
41	ADAPTATION OF TOPSIS DECISION MAKING APPROACH FOR LINGUISTIC VARIABLES. , 2009, , .		0
42	Qualitative Analysis on Risk Assessment in Photovoltaic Installations: Case Study in the Dominican Republic. Lecture Notes in Management and Industrial Engineering, 2019, , 203-216.	0.3	0
43	MASTER TEACHING IN THE COVID 19 ERA: INTERACTIVE ACTIVITIES VS TRADITIONAL ACTIVITIES IN VIRTUAL ENVIRONMENTS. , 2021, , .		0
44	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.	0.3	0
45	Grid Stabilization Effect of Combined Electricity Generation From Wind and Photovoltaic Systems in Murcia, Spain. , 0, , 590-617.		0
46	Fuzzy Analytical Hierarchy Process in Maintenance Problem. Lecture Notes in Computer Science, 2008, , 815-824.	1.0	0