

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

471509

17
h-index

330143

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. Renewable and Sustainable Energy Reviews, 2013, 24, 544-556. | 16.4 | 413 |
| 2 | On rank reversal and TOPSIS method. Mathematical and Computer Modelling, 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. Renewable Energy, 2014, 66, 478-494. | 8.9 | 184 |
| 4 | 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 |
| 5 | 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 |
| 6 | Decision support in disinfection technologies for treated wastewater reuse. Journal of Cleaner Production, 2009, 17, 1504-1511. | 9.3 | 97 |
| 7 | Identification and selection of potential sites for onshore wind farms development in Region of Murcia, Spain. Energy, 2014, 73, 311-324. | 8.8 | 80 |
| 8 | Evaluation of photovoltaic cells in a multi-criteria decision making process. Annals of Operations Research, 2012, 199, 373-391. | 4.1 | 69 |
| 9 | The LTOPSIS: An alternative to TOPSIS decision-making approach for linguistic variables. Expert Systems With Applications, 2012, 39, 2119-2126. | 7.6 | 60 |
| 10 | 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 |
| 11 | Decision-Making for Risk Management in Sustainable Renewable Energy Facilities: A Case Study in the Dominican Republic. Sustainability, 2016, 8, 455. | 3.2 | 48 |
| 12 | 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 |
| 13 | Solving a decision problem with linguistic information. Pattern Recognition Letters, 2007, 28, 2284-2294. | 4.2 | 32 |
| 14 | 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 |
| 15 | Spatial analysis of indicators affecting the exploitation of shallow geothermal energy at European scale. Renewable Energy, 2021, 167, 266-281. | 8.9 | 25 |
| 16 | Analysis and Comparison of Energy Efficiency Code Requirements for Buildings: A Moroccoâ€“Spain Case Study. Energies, 2020, 13, 5979. | 3.1 | 21 |
| 17 | Situations and problems of renewable energy in the Region of Murcia, Spain. Renewable and Sustainable Energy Reviews, 2010, 14, 1253-1262. | 16.4 | 17 |
| 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 |

| # | 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. | 3.2 | 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. | 10.4 | 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. | 3.1 | 9 |
| 22 | Environmental benefits of parking-integrated photovoltaics: a 222-kWp experience. Progress in Photovoltaics: Research and Applications, 2015, 23, 253-264. | 8.1 | 7 |
| 23 | Decision Criteria for Optimal Location of Solar Plants: Photovoltaic and Thermoelectric. Green Energy and Technology, 2013, , 79-91. | 0.6 | 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. | 9.2 | 6 |
| 25 | Determination of the Optimal Size of Photovoltaic Systems by Using Multi-Criteria Decision-Making Methods. Sustainability, 2018, 10, 4594. | 3.2 | 6 |
| 26 | A Multi-Factorial Review of Repowering Wind Generation Strategies. Energies, 2021, 14, 6280. | 3.1 | 5 |
| 27 | Urban Wind: An Alternative for Sustainable Cities. Energies, 2022, 15, 4759. | 3.1 | 5 |
| 28 | Decision Making in Uncertain Rural Scenarios by means of Fuzzy TOPSIS Method. Advances in Decision Sciences, 2011, 2011, 1-15. | 1.2 | 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. | 2.5 | 4 |
| 30 | Multi-criteria analysis techniques to enhance sustainability of water pumping irrigation. Energy Reports, 2021, 7, 4623-4632. | 5.1 | 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. | 3.1 | 2 |
| 34 | 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 |
| 35 | 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 |
| 36 | The TOPSIS Method and Its Application to Linguistic Variables. Studies in Fuzziness and Soft Computing, 2010, , 383-395. | 0.8 | 1 |

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|----|--|-----|-----------|
| 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. | 0.9 | 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. | 2.2 | 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. | 0.4 | 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. | 0.4 | 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. | 1.3 | 0 |