Juan Miguel SÃ;nchez-Lozano

List of Publications by Year in descending order

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#	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	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
3	GIS-based onshore wind farm site selection using Fuzzy Multi-Criteria Decision Making methods. Evaluating the case of Southeastern Spain. Applied Energy, 2016, 171, 86-102.	10.1	176
4	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
5	Evaluation of suitable locations for the installation of solar thermoelectric power plants. Computers and Industrial Engineering, 2015, 87, 343-355.	6.3	85
6	Identification and selection of potential sites for onshore wind farms development in Region of Murcia, Spain. Energy, 2014, 73, 311-324.	8.8	80
7	Evaluation of photovoltaic cells in a multi-criteria decision making process. Annals of Operations Research, 2012, 199, 373-391.	4.1	69
8	Evaluating military training aircrafts through the combination of multi-criteria decision making processes with fuzzy logic. A case study in the Spanish Air Force Academy. Aerospace Science and Technology, 2015, 42, 58-65.	4.8	64
9	Decision-Making for Risk Management in Sustainable Renewable Energy Facilities: A Case Study in the Dominican Republic. Sustainability, 2016, 8, 455.	3.2	48
10	Application of Fuzzy Reference Ideal Method (FRIM) to the military advanced training aircraft selection. Applied Soft Computing Journal, 2020, 88, 106061.	7.2	36
11	MCDM-based multidimensional approach for selection of optimal groundwater pumping systems: Design and case example. Renewable Energy, 2021, 163, 213-224.	8.9	27
12	Environmental management of Natura 2000 network areas through the combination of Geographic Information Systems (GIS) with Multi-Criteria Decision Making (MCDM) methods. Case study in south-eastern Spain. Land Use Policy, 2017, 63, 86-97.	5.6	21
13	Multidimensional analysis of groundwater pumping for irrigation purposes: Economic, energy and environmental characterization for PV power plant integration. Renewable Energy, 2019, 138, 174-186.	8.9	19
14	GIS based solar resource analysis for irrigation purposes: Rural areas comparison under groundwater scarcity conditions. Solar Energy Materials and Solar Cells, 2016, 156, 128-139.	6.2	16
15	Near-Earth Asteroid impact dates: A Reference Ideal Method (RIM) approach. Engineering Applications of Artificial Intelligence, 2019, 81, 157-168.	8.1	11
16	Evaluation of NEA deflection techniques. A fuzzy Multi-Criteria Decision Making analysis for planetary defense. Acta Astronautica, 2020, 176, 383-397.	3.2	9
17	Assessment of Near-Earth Asteroid Deflection Techniques via Spherical Fuzzy Sets. Advances in Astronomy, 2021, 2021, 1-12.	1.1	9
18	Environmental benefits of parkingâ€integrated photovoltaics: a 222 kWp experience. Progress in Photovoltaics: Research and Applications, 2015, 23, 253-264.	8.1	7

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19	Near-Earth object hazardous impact: A Multi-Criteria Decision Making approach. Scientific Reports, 2016, 6, 37055.	3.3	7
20	Prioritization of Cartagena Coastal Military Batteries to Transform Them into Scientific, Tourist and Cultural Places of Interest: A GIS-MCDM Approach. Sustainability, 2020, 12, 9908.	3.2	7
21	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
22	Determination of the Optimal Size of Photovoltaic Systems by Using Multi-Criteria Decision-Making Methods. Sustainability, 2018, 10, 4594.	3.2	6
23	Fuzzy multi-criteria decision-making approach to prioritization of space debris for removal. Advances in Space Research, 2021, 67, 1155-1173.	2.6	6
24	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
25	A fuzzy Multi-Criteria Decision Making approach for Exo-Planetary Habitability. Astronomy and Computing, 2021, 36, 100471.	1.7	4
26	Analysis of WWTPs technologies based on the removal efficiency of Pharmaceutical Activated Compounds for water reuse purposes. A Fuzzy Multi-Criteria Decision Making approach. Journal of Water Process Engineering, 2021, 42, 102098.	5.6	4
27	Multi-criteria analysis techniques to enhance sustainability of water pumping irrigation. Energy Reports, 2021, 7, 4623-4632.	5.1	4
28	Decision Criteria for Optimal Location of Wind Farms. Advances in Computational Intelligence and Robotics Book Series, 2014, , 199-215.	0.4	4
29	Assessment of Groundwater Pumping Alternatives for Irrigation Purposes based on the SIMUS Method. , 2020, , .		2
30	Integration of Solar Energy Resource into Agro-Energy Cooperative Districts: A Case Study based on Solar Powered Irrigation Pumps. Renewable Energy and Power Quality Journal, 0, , 918-923.	0.2	2
31	Potential Study of Biomass in the Area of Cartagena (Spain) under the ENERING LIFE+ European Project. Renewable Energy and Power Quality Journal, 0, , 445-448.	0.2	1
32	An Approach to Multidimensional Analysis for PV Solar Energy Integration into Groundwater Pumping Solutions. , 2017, , .		0
33	Spatial Analysis Using GIS for Obtaining Optimal Locations for Solar Farms—A Case Study: The Northwest of the Region of Murcia. Studies in Fuzziness and Soft Computing, 2016, , 207-218.	0.8	0
34	Quantitative Analysis on Risk Assessment in Photovoltaic Installations: Case Study in the Region of Murcia and the Dominican Republic. Lecture Notes in Management and Industrial Engineering, 2021, , 535-549.	0.4	0