

Juan Miguel SÃ¡nchez-Lozano

List of Publications by Year in descending order

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34
papers

1,475
citations

623188

14
h-index

500791

28
g-index

37
all docs

37
docs citations

37
times ranked

1267
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	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
3	GIS-based onshore wind farm site selection using Fuzzy Multi-Criteria Decision Making methods. Evaluating the case of Southeastern Spain. <i>Applied Energy</i> , 2016, 171, 86-102.	5.1	176
4	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
5	Evaluation of suitable locations for the installation of solar thermoelectric power plants. <i>Computers and Industrial Engineering</i> , 2015, 87, 343-355.	3.4	85
6	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
7	Evaluation of photovoltaic cells in a multi-criteria decision making process. <i>Annals of Operations Research</i> , 2012, 199, 373-391.	2.6	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. <i>Aerospace Science and Technology</i> , 2015, 42, 58-65.	2.5	64
9	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
10	Application of Fuzzy Reference Ideal Method (FRIM) to the military advanced training aircraft selection. <i>Applied Soft Computing Journal</i> , 2020, 88, 106061.	4.1	36
11	MCDM-based multidimensional approach for selection of optimal groundwater pumping systems: Design and case example. <i>Renewable Energy</i> , 2021, 163, 213-224.	4.3	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. <i>Land Use Policy</i> , 2017, 63, 86-97.	2.5	21
13	Multidimensional analysis of groundwater pumping for irrigation purposes: Economic, energy and environmental characterization for PV power plant integration. <i>Renewable Energy</i> , 2019, 138, 174-186.	4.3	19
14	GIS based solar resource analysis for irrigation purposes: Rural areas comparison under groundwater scarcity conditions. <i>Solar Energy Materials and Solar Cells</i> , 2016, 156, 128-139.	3.0	16
15	Near-Earth Asteroid impact dates: A Reference Ideal Method (RIM) approach. <i>Engineering Applications of Artificial Intelligence</i> , 2019, 81, 157-168.	4.3	11
16	Evaluation of NEA deflection techniques. A fuzzy Multi-Criteria Decision Making analysis for planetary defense. <i>Acta Astronautica</i> , 2020, 176, 383-397.	1.7	9
17	Assessment of Near-Earth Asteroid Deflection Techniques via Spherical Fuzzy Sets. <i>Advances in Astronomy</i> , 2021, 2021, 1-12.	0.5	9
18	Environmental benefits of parkingâ€”integrated photovoltaics: a 222â€”kWp experience. <i>Progress in Photovoltaics: Research and Applications</i> , 2015, 23, 253-264.	4.4	7

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19	Near-Earth object hazardous impact: A Multi-Criteria Decision Making approach. Scientific Reports, 2016, 6, 37055.	1.6	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.	1.6	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.	4.4	6
22	Determination of the Optimal Size of Photovoltaic Systems by Using Multi-Criteria Decision-Making Methods. Sustainability, 2018, 10, 4594.	1.6	6
23	Fuzzy multi-criteria decision-making approach to prioritization of space debris for removal. Advances in Space Research, 2021, 67, 1155-1173.	1.2	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.	1.3	4
25	A fuzzy Multi-Criteria Decision Making approach for Exo-Planetary Habitability. Astronomy and Computing, 2021, 36, 100471.	0.8	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.	2.6	4
27	Multi-criteria analysis techniques to enhance sustainability of water pumping irrigation. Energy Reports, 2021, 7, 4623-4632.	2.5	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 Farmsâ€”A Case Study: The Northwest of the Region of Murcia. Studies in Fuzziness and Soft Computing, 2016, , 207-218.	0.6	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.	0.3	0