

Fausto Cavallaro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54 papers	1,852 citations	21 h-index	43 g-index
56 ext. papers	2,316 ext. citations	4.4 avg, IF	5.79 L-index

#	Paper	IF	Citations
54	Clean energy selection for sustainable development by using entropy-based decision model with hesitant fuzzy information.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
53	The COVID-19 Pandemic and Nature-Based Tourism, Scenario Planning Approach (Case Study of Nature-Based Tourism in Iran). <i>Sustainability</i> , 2022 , 14, 3954	3.6	2
52	Analyzing the Factors Enabling Green Lean Six Sigma Implementation in the Industry 4.0 Era. <i>Sustainability</i> , 2022 , 14, 3450	3.6	2
51	A q-Rung Orthopair Fuzzy FUCOM Double Normalization-Based Multi-Aggregation Method for Healthcare Waste Treatment Method Selection. <i>Sustainability</i> , 2022 , 14, 4171	3.6	2
50	A Hybrid Intuitionistic Fuzzy-MEREC-RS-DNMA Method for Assessing the Alternative Fuel Vehicles with Sustainability Perspectives. <i>Sustainability</i> , 2022 , 14, 5463	3.6	7
49	An Integrated Fuzzy Goal Programming Theory of Constraints Model for Production Planning and Optimization. <i>Sustainability</i> , 2021 , 13, 12728	3.6	0
48	A Bibliometric Review on Decision Approaches for Clean Energy Systems under Uncertainty. <i>Energies</i> , 2021 , 14, 6824	3.1	2
47	A Novel Image Processing Approach to Enhancement and Compression of X-ray Images. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	4
46	An Integrated Single-Valued Neutrosophic Combined Compromise Solution Methodology for Renewable Energy Resource Selection Problem. <i>Energies</i> , 2021 , 14, 4594	3.1	12
45	An extended fuzzy divergence measure-based technique for order preference by similarity to ideal solution method for renewable energy investments 2021 , 469-490		
44	The social acceptance of nuclear fusion for decision making towards carbon free circular economy: Evidence from Czech Republic. <i>Technological Forecasting and Social Change</i> , 2021 , 163, 120477	9.5	9
43	A Hesitant Fuzzy Combined Compromise Solution Framework-Based on Discrimination Measure for Ranking Sustainable Third-Party Reverse Logistic Providers. <i>Sustainability</i> , 2021 , 13, 2064	3.6	20
42	A Fuzzy Gain-Based Dynamic Ant Colony Optimization for Path Planning in Dynamic Environments. <i>Symmetry</i> , 2021 , 13, 280	2.7	14
41	Examination of the Sustainable Rural Tourism Potential of the Brčko District of Bosnia and Herzegovina Using a Fuzzy Approach Based on Group Decision Making. <i>Sustainability</i> , 2021 , 13, 583	3.6	16
40	A novel approach to extended fuzzy TOPSIS based on new divergence measures for renewable energy sources selection. <i>Journal of Cleaner Production</i> , 2020 , 257, 120352	10.3	76
39	A Group Decision Framework for Renewable Energy Source Selection under Interval-Valued Probabilistic linguistic Term Set. <i>Energies</i> , 2020 , 13, 986	3.1	22
38	Algorithm Selection for Edge Detection in Satellite Images by Neutrosophic WASPAS Method. <i>Sustainability</i> , 2020 , 12, 548	3.6	16

37	An integrated Multi-Criteria Decision Making Model for Sustainability Performance Assessment for Insurance Companies. <i>Sustainability</i> , 2020 , 12, 789	3.6	40
36	Pythagorean Fuzzy SWARA-VIKOR Framework for Performance Evaluation of Solar Panel Selection. <i>Sustainability</i> , 2020 , 12, 4278	3.6	36
35	Development of a Index for Sustainable Energy Technologies Based on an Intelligent Fuzzy Expert System. <i>Studies in Systems, Decision and Control</i> , 2020 , 137-143	0.8	0
34	A multi-stage method to predict carbon dioxide emissions using dimensionality reduction, clustering, and machine learning techniques. <i>Journal of Cleaner Production</i> , 2020 , 275, 122942	10.3	20
33	Hesitant Fuzzy SWARA-Complex Proportional Assessment Approach for Sustainable Supplier Selection (HF-SWARA-COPRAS). <i>Symmetry</i> , 2020 , 12, 1152	2.7	35
32	Application of Sustainability Principles for Harsh Environment Exploration by Autonomous Robot. <i>Sustainability</i> , 2019 , 11, 2518	3.6	15
31	A review of greenhouse gas emission profiles, dynamics, and climate change mitigation efforts across the key climate change players. <i>Journal of Cleaner Production</i> , 2019 , 234, 1113-1133	10.3	74
30	Environmental Assessment of a Solar Tower Using the Life Cycle Assessment (LCA). <i>Smart Innovation, Systems and Technologies</i> , 2019 , 621-628	0.5	2
29	Carbon dioxide (CO) emissions and economic growth: A systematic review of two decades of research from 1995 to 2017. <i>Science of the Total Environment</i> , 2019 , 649, 31-49	10.2	209
28	Scientific Decision Framework for Evaluation of Renewable Energy Sources under Q-Rung Orthopair Fuzzy Set with Partially Known Weight Information. <i>Sustainability</i> , 2019 , 11, 4202	3.6	28
27	An approach to determining customer satisfaction in traditional Serbian restaurants. <i>Entrepreneurship and Sustainability Issues</i> , 2019 , 6, 1127-1138	3.3	14
26	Assessment of concentrated solar power (CSP) technologies based on a modified intuitionistic fuzzy topsis and trigonometric entropy weights. <i>Technological Forecasting and Social Change</i> , 2019 , 140, 258-270	9.5	65
25	Concentrated solar power (CSP) hybridized systems. Ranking based on an intuitionistic fuzzy multi-criteria algorithm. <i>Journal of Cleaner Production</i> , 2018 , 179, 407-416	10.3	38
24	The Impact of Greening Tax Systems on Sustainable Energy Development in the Baltic States. <i>Energies</i> , 2018 , 11, 1193	3.1	13
23	The Role of Process Innovation between Firm-Specific Capabilities and Sustainable Innovation in SMEs: Empirical Evidence from Indonesia. <i>Sustainability</i> , 2018 , 10, 2244	3.6	24
22	Measuring Country Sustainability Performance Using Ensembles of Neuro-Fuzzy Technique. <i>Sustainability</i> , 2018 , 10, 2707	3.6	12
21	The Multi-Aspect Criterion in the PMADM Outline and Its Possible Application to Sustainability Assessment. <i>Sustainability</i> , 2018 , 10, 4451	3.6	15
20	MCDM Assessment of a Healthy and Safe Built Environment According to Sustainable Development Principles: A Practical Neighborhood Approach in Vilnius. <i>Sustainability</i> , 2017 , 9, 702	3.6	53

19	Factors Influencing Consumers' Intention to Return the End of Life Electronic Products through Reverse Supply Chain Management for Reuse, Repair and Recycling. <i>Sustainability</i> , 2017 , 9, 1657	3.6	36
18	Application of Structural Equation Modeling (SEM) to Solve Environmental Sustainability Problems: A Comprehensive Review and Meta-Analysis. <i>Sustainability</i> , 2017 , 9, 1814	3.6	31
17	Design and Implementation of a Fuzzy Inference Model for Mapping the Sustainability of Energy Crops 2017 , 657-678		
16	Evaluation of Combined Heat and Power (CHP) Systems Using Fuzzy Shannon Entropy and Fuzzy TOPSIS. <i>Sustainability</i> , 2016 , 8, 556	3.6	36
15	Sustainable Assessment of Aerosol Pollution Decrease Applying Multiple Attribute Decision-Making Methods. <i>Sustainability</i> , 2016 , 8, 586	3.6	19
14	A Takagi-Sugeno Fuzzy Inference System for Developing a Sustainability Index of Biomass. <i>Sustainability</i> , 2015 , 7, 12359-12371	3.6	42
13	Sustainable and Renewable Energy: An Overview of the Application of Multiple Criteria Decision Making Techniques and Approaches. <i>Sustainability</i> , 2015 , 7, 13947-13984	3.6	156
12	Design and Implementation of a Fuzzy Inference Model for Mapping the Sustainability of Energy Crops. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2015 , 47-68	0.4	2
11	A Fuzzy Inference System to Evaluate the Environmental Effects of Electricity Generation Technologies. <i>Springer Proceedings in Energy</i> , 2015 , 227-233	0.2	
10	Assessment of Nuclear Energy Competitiveness Using a Multi-Criteria Fuzzy Approach. <i>International Journal of Energy Optimization and Engineering</i> , 2013 , 2, 21-36	0.9	2
9	Sustainability Assessment of Solar Technologies Based on Linguistic Information. <i>Green Energy and Technology</i> , 2013 , 3-25	0.6	5
8	Fuzzy PROMETHEE for the Environmental Quality Assessment of Energy Dedicated Crops. <i>Atlantis Computational Intelligence Systems</i> , 2012 , 231-250		2
7	A comparative assessment of thin-film photovoltaic production processes using the ELECTRE III method. <i>Energy Policy</i> , 2010 , 38, 463-474	7.2	76
6	Fuzzy TOPSIS approach for assessing thermal-energy storage in concentrated solar power (CSP) systems. <i>Applied Energy</i> , 2010 , 87, 496-503	10.7	179
5	Multi-criteria decision aid to assess concentrated solar thermal technologies. <i>Renewable Energy</i> , 2009 , 34, 1678-1685	8.1	140
4	A Life Cycle Assessment (LCA) of a Paraboloidal-Dish Solar Thermal Power Generation System 2006 , ,		14
3	Electric load analysis using an artificial neural network. <i>International Journal of Energy Research</i> , 2005 , 29, 377-392	4.5	15
2	A multicriteria approach to evaluate wind energy plants on an Italian island. <i>Energy Policy</i> , 2005 , 33, 235-244	7.4	178

1	An Integrated Multi-Criteria System to Assess Sustainable Energy Options: An Application of the Promethee Method. <i>SSRN Electronic Journal</i> , 2005 ,	1	19
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