Fausto Cavallaro

List of Publications by Citations

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	Carbon dioxide (CO) emissions and economic growth: A systematic review of two decades of research from 1995 to 2017. *Science of the Total Environment*, **2019**, 649, 31-49	10.2	209
53	Fuzzy TOPSIS approach for assessing thermal-energy storage in concentrated solar power (CSP) systems. *Applied Energy*, **2010**, 87, 496-503	10.7	179
52	A multicriteria approach to evaluate wind energy plants on an Italian island. *Energy Policy*, **2005**, 33, 235-244	7.1	178
51	Sustainable and Renewable Energy: An Overview of the Application of Multiple Criteria Decision Making Techniques and Approaches. *Sustainability*, **2015**, 7, 13947-13984	3.6	156
50	Multi-criteria decision aid to assess concentrated solar thermal technologies. *Renewable Energy*, **2009**, 34, 1678-1685	8.1	140
49	A novel approach to extended fuzzy TOPSIS based on new divergence measures for renewable energy sources selection. *Journal of Cleaner Production*, **2020**, 257, 120352	10.3	76
48	A comparative assessment of thin-film photovoltaic production processes using the ELECTRE III method. *Energy Policy*, **2010**, 38, 463-474	7.2	76
47	A review of greenhouse gas emission profiles, dynamics, and climate change mitigation efforts across the key climate change players. *Journal of Cleaner Production*, **2019**, 234, 1113-1133	10.3	74
46	Assessment of concentrated solar power (CSP) technologies based on a modified intuitionistic fuzzy topsis and trigonometric entropy weights. *Technological Forecasting and Social Change*, **2019**, 140, 258-270	9.5	65
45	MCDM Assessment of a Healthy and Safe Built Environment According to Sustainable Development Principles: A Practical Neighborhood Approach in Vilnius. *Sustainability*, **2017**, 9, 702	3.6	53
44	A Takagi-Sugeno Fuzzy Inference System for Developing a Sustainability Index of Biomass. *Sustainability*, **2015**, 7, 12359-12371	3.6	42
43	An integrated Multi-Criteria Decision Making Model for Sustainability Performance Assessment for Insurance Companies. *Sustainability*, **2020**, 12, 789	3.6	40
42	Concentrated solar power (CSP) hybridized systems. Ranking based on an intuitionistic fuzzy multi-criteria algorithm. *Journal of Cleaner Production*, **2018**, 179, 407-416	10.3	38
41	Factors Influencing Consumers Intention to Return the End of Life Electronic Products through Reverse Supply Chain Management for Reuse, Repair and Recycling. *Sustainability*, **2017**, 9, 1657	3.6	36
40	Pythagorean Fuzzy SWARA VIKOR Framework for Performance Evaluation of Solar Panel Selection. *Sustainability*, **2020**, 12, 4278	3.6	36
39	Evaluation of Combined Heat and Power (CHP) Systems Using Fuzzy Shannon Entropy and Fuzzy TOPSIS. *Sustainability*, **2016**, 8, 556	3.6	36
38	Hesitant Fuzzy SWARA-Complex Proportional Assessment Approach for Sustainable Supplier Selection (HF-SWARA-COPRAS). *Symmetry*, **2020**, 12, 1152	2.7	35

37	Application of Structural Equation Modeling (SEM) to Solve Environmental Sustainability Problems: A Comprehensive Review and Meta-Analysis. *Sustainability*, **2017**, 9, 1814	3.6	31
36	Scientific Decision Framework for Evaluation of Renewable Energy Sources under Q-Rung Orthopair Fuzzy Set with Partially Known Weight Information. *Sustainability*, **2019**, 11, 4202	3.6	28
35	The Role of Process Innovation between Firm-Specific Capabilities and Sustainable Innovation in SMEs: Empirical Evidence from Indonesia. *Sustainability*, **2018**, 10, 2244	3.6	24
34	A Group Decision Framework for Renewable Energy Source Selection under Interval-Valued Probabilistic linguistic Term Set. *Energies*, **2020**, 13, 986	3.1	22
33	A multi-stage method to predict carbon dioxide emissions using dimensionality reduction, clustering, and machine learning techniques. *Journal of Cleaner Production*, **2020**, 275, 122942	10.3	20
32	A Hesitant Fuzzy Combined Compromise Solution Framework-Based on Discrimination Measure for Ranking Sustainable Third-Party Reverse Logistic Providers. *Sustainability*, **2021**, 13, 2064	3.6	20
31	An Integrated Multi-Criteria System to Assess Sustainable Energy Options: An Application of the Promethee Method. *SSRN Electronic Journal*, **2005**,	1	19
30	Sustainable Assessment of Aerosol Pollution Decrease Applying Multiple Attribute Decision-Making Methods. *Sustainability*, **2016**, 8, 586	3.6	19
29	Algorithm Selection for Edge Detection in Satellite Images by Neutrosophic WASPAS Method. *Sustainability*, **2020**, 12, 548	3.6	16
28	Examination of the Sustainable Rural Tourism Potential of the Brko District of Bosnia and Herzegovina Using a Fuzzy Approach Based on Group Decision Making. *Sustainability*, **2021**, 13, 583	3.6	16
27	Application of Sustainability Principles for Harsh Environment Exploration by Autonomous Robot. *Sustainability*, **2019**, 11, 2518	3.6	15
26	Electric load analysis using an artificial neural network. *International Journal of Energy Research*, **2005**, 29, 377-392	4.5	15
25	The Multi-Aspect Criterion in the PMADM Outline and Its Possible Application to Sustainability Assessment. *Sustainability*, **2018**, 10, 4451	3.6	15
24	A Life Cycle Assessment (LCA) of a Paraboloidal-Dish Solar Thermal Power Generation System **2006** ,		14
23	An approach to determining customer satisfaction in traditional Serbian restaurants. *Entrepreneurship and Sustainability Issues*, **2019**, 6, 1127-1138	3.3	14
22	A Fuzzy Gain-Based Dynamic Ant Colony Optimization for Path Planning in Dynamic Environments. *Symmetry*, **2021**, 13, 280	2.7	14
21	The Impact of Greening Tax Systems on Sustainable Energy Development in the Baltic States. *Energies*, **2018**, 11, 1193	3.1	13
20	Measuring Country Sustainability Performance Using Ensembles of Neuro-Fuzzy Technique. *Sustainability*, **2018**, 10, 2707	3.6	12

19	An Integrated Single-Valued Neutrosophic Combined Compromise Solution Methodology for Renewable Energy Resource Selection Problem. *Energies*, **2021**, 14, 4594	3.1	12
18	The social acceptance of nuclear fusion for decision making towards carbon free circular economy: Evidence from Czech Republic. *Technological Forecasting and Social Change*, **2021**, 163, 120477	9.5	9
17	A Hybrid Intuitionistic Fuzzy-MEREC-RS-DNMA Method for Assessing the Alternative Fuel Vehicles with Sustainability Perspectives. *Sustainability*, **2022**, 14, 5463	3.6	7
16	Sustainability Assessment of Solar Technologies Based on Linguistic Information. *Green Energy and Technology*, **2013**, 3-25	0.6	5
15	A Novel Image Processing Approach to Enhancement and Compression of X-ray Images. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	4
14	Environmental Assessment of a Solar Tower Using the Life Cycle Assessment (LCA). *Smart Innovation, Systems and Technologies*, **2019**, 621-628	0.5	2
13	Design and Implementation of a Fuzzy Inference Model for Mapping the Sustainability of Energy Crops. *Advances in Environmental Engineering and Green Technologies Book Series*, **2015**, 47-68	0.4	2
12	A Bibliometric Review on Decision Approaches for Clean Energy Systems under Uncertainty. *Energies*, **2021**, 14, 6824	3.1	2
11	Fuzzy PROMETHEE for the Environmental Quality Assessment of Energy Dedicated Crops. *Atlantis Computational Intelligence Systems*, **2012**, 231-250		2
10	Assessment of Nuclear Energy Competiveness Using a Multi-Criteria Fuzzy Approach. *International Journal of Energy Optimization and Engineering*, **2013**, 2, 21-36	0.9	2
9	The COVID-19 Pandemic and Nature-Based Tourism, Scenario Planning Approach (Case Study of Nature-Based Tourism in Iran). *Sustainability*, **2022**, 14, 3954	3.6	2
8	Analyzing the Factors Enabling Green Lean Six Sigma Implementation in the Industry 4.0 Era. *Sustainability*, **2022**, 14, 3450	3.6	2
7	A q-Rung Orthopair Fuzzy FUCOM Double Normalization-Based Multi-Aggregation Method for Healthcare Waste Treatment Method Selection. *Sustainability*, **2022**, 14, 4171	3.6	2
6	Clean energy selection for sustainable development by using entropy-based decision model with hesitant fuzzy information.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
5	An Integrated Fuzzy Goal Programming Theory of Constraints Model for Production Planning and Optimization. *Sustainability*, **2021**, 13, 12728	3.6	0
4	Development of a Index for Sustainable Energy Technologies Based on an Intelligent Fuzzy Expert System. *Studies in Systems, Decision and Control*, **2020**, 137-143	0.8	0
3	A Fuzzy Inference System to Evaluate the Environmental Effects of Electricity Generation Technologies. *Springer Proceedings in Energy*, **2015**, 227-233	0.2	
2	Design and Implementation of a Fuzzy Inference Model for Mapping the Sustainability of Energy Crops **2017**, 657-678		

List of Publications

1 An extended fuzzy divergence measure-based technique for order preference by similarity to ideal solution method for renewable energy investments **2021**, 469-490