Wojciech Salabun

List of Publications by Citations

88 papers	1,623 citations	24 h-index	38 g-index
94 ext. papers	2,039 ext. citations	2.1 avg, IF	6.24 L-index

#	Paper	IF	Citations
88	Decision Making with Uncertainty Using Hesitant Fuzzy Sets. *International Journal of Fuzzy Systems*, **2018**, 20, 93-103	3.6	133
87	Are MCDA Methods Benchmarkable? A Comparative Study of TOPSIS, VIKOR, COPRAS, and PROMETHEE II Methods. *Symmetry*, **2020**, 12, 1549	2.7	118
86	The Characteristic Objects Method: A New Distance-based Approach to Multicriteria Decision-making Problems. *Journal of Multi-Criteria Decision Analysis*, **2015**, 22, 37-50	1.9	93
85	Group Decision-Making for Hesitant Fuzzy Sets Based on Characteristic Objects Method. *Symmetry*, **2017**, 9, 136	2.7	79
84	Comparative analysis of MCDM methods for the assessment of mortality in patients with acute coronary syndrome. *Artificial Intelligence Review*, **2017**, 48, 557-571	9.7	71
83	The fuzzy TOPSIS applications in the last decade. *Procedia Computer Science*, **2019**, 159, 2294-2303	1.6	63
82	A Robust q-Rung Orthopair Fuzzy Information Aggregation Using Einstein Operations with Application to Sustainable Energy Planning Decision Management. *Energies*, **2020**, 13, 2155	3.1	58
81	Best-Worst method and Hamacher aggregation operations for intuitionistic 2-tuple linguistic sets. *Expert Systems With Applications*, **2021**, 181, 115088	7.8	53
80	A New Method to Support Decision-Making in an Uncertain Environment Based on Normalized Interval-Valued Triangular Fuzzy Numbers and COMET Technique. *Symmetry*, **2020**, 12, 516	2.7	51
79	A New Coefficient of Rankings Similarity in Decision-Making Problems. *Lecture Notes in Computer Science*, **2020**, 632-645	0.9	43
78	Multicriteria Approach to Sustainable Transport Evaluation under Incomplete Knowledge: Electric Bikes Case Study. *Sustainability*, **2019**, 11, 3314	3.6	41
77	Using the COMET Method in the Sustainable City Transport Problem: an Empirical Study of the Electric Powered Cars. *Procedia Computer Science*, **2018**, 126, 2248-2260	1.6	40
76	A comparative case study of the VIKOR and TOPSIS rankings similarity. *Procedia Computer Science*, **2020**, 176, 3730-3740	1.6	35
75	Identification of a Multicriteria Decision-Making Model Using the Characteristic Objects Method. *Applied Computational Intelligence and Soft Computing*, **2014**, 2014, 1-14	2.7	33
74	Hesitant Probabilistic Multiplicative Preference Relations in Group Decision Making. *Applied Sciences (Switzerland)*, **2018**, 8, 398	2.6	32
73	A New Approach to Identifying a Multi-Criteria Decision Model Based on Stochastic Optimization Techniques. *Symmetry*, **2020**, 12, 1551	2.7	32
72	Efficiency of Methods for Determining the Relevance of Criteria in Sustainable Transport Problems: A Comparative Case Study. *Sustainability*, **2020**, 12, 7915	3.6	32

71	Identification of Relevant Criteria Set in the MCDA Process—Wind Farm Location Case Study. *Energies*, **2020**, 13, 6548	3.1	31
70	A Fuzzy Inference System for Players Evaluation in Multi-Player Sports: The Football Study Case. *Symmetry*, **2020**, 12, 2029	2.7	26
69	The Rank Reversals Paradox in Management Decisions: The Comparison of the AHP and COMET Methods. *Smart Innovation, Systems and Technologies*, **2016**, 181-191	0.5	26
68	Fuzzy Model Identification Using Monolithic and Structured Approaches in Decision Problems with Partially Incomplete Data. *Symmetry*, **2020**, 12, 1541	2.7	26
67	Intuitionistic Fuzzy Sets in Multi-Criteria Group Decision Making Problems Using the Characteristic Objects Method. *Symmetry*, **2020**, 12, 1382	2.7	26
66	Sustainable Decision-Making using the COMET Method: An Empirical Study of the Ammonium Nitrate Transport Management **2017**,		25
65	Decision-Making using the Hesitant Fuzzy Sets COMET Method: An Empirical Study of the Electric City Buses Selection **2018**,		25
64	Comparative Analysis of MCDM Methods for Assessing the Severity of Chronic Liver Disease. *Lecture Notes in Computer Science*, **2015**, 228-238	0.9	24
63	Identification of a Multi-criteria Model of Location Assessment for Renewable Energy Sources. *Lecture Notes in Computer Science*, **2016**, 321-332	0.9	24
62	D NUMBERS FUCOM FUZZY RAFSI MODEL FOR SELECTING THE GROUP OF CONSTRUCTION MACHINES FOR ENABLING MOBILITY. *Facta Universitatis, Series: Mechanical Engineering*, **2021**, 19, 447	3.2	22
61	Reduction in the Number of Comparisons Required to Create Matrix of Expert Judgment in the Comet Method. *Management and Production Engineering Review*, **2014**, 5, 62-69		22
60	Handling Data Uncertainty in Decision Making with COMET **2018**,		22
59	The Characteristic Objects Method: A New Intelligent Decision Support Tool for Sustainable Manufacturing. *Smart Innovation, Systems and Technologies*, **2016**, 349-359	0.5	21
58	Green Supplier Selection Framework Based on Multi-Criteria Decision-Analysis Approach. *Smart Innovation, Systems and Technologies*, **2016**, 361-371	0.5	21
57	Influence of various normalization methods in PROMETHEE II: an empirical study on the selection of the airport location. *Procedia Computer Science*, **2019**, 159, 2051-2060	1.6	20
56	Methodical Aspects of MCDM Based E-Commerce Recommender System. *Journal of Theoretical and Applied Electronic Commerce Research*, **2021**, 16, 2192-2229	4.1	20
55	On the Analytic Hierarchy Process Structure in Group Decision-Making Using Incomplete Fuzzy Information with Applications. *Symmetry*, **2021**, 13, 609	2.7	18
54	Intuitionistic-Fuzzy Goals in Zero-Sum Multi Criteria Matrix Games. *Symmetry*, **2017**, 9, 158	2.7	17

53	A New Approach to Eliminate Rank Reversal in the MCDA Problems. *Lecture Notes in Computer Science*, **2021**, 338-351	0.9	14
52	Identification of Players Ranking in E-Sport. *Applied Sciences (Switzerland)*, **2020**, 10, 6768	2.6	13
51	Alarming decline in recognition of anatomical structures amongst medical students and physicians. *Annals of Anatomy*, **2019**, 221, 48-56	2.9	13
50	Comparative Analysis of Solar Panels with Determination of Local Significance Levels of Criteria Using the MCDM Methods Resistant to the Rank Reversal Phenomenon. *Energies*, **2021**, 14, 5727	3.1	13
49	Identification of the football teams assessment model using the COMET method. *Procedia Computer Science*, **2019**, 159, 2491-2501	1.6	12
48	Construction and Use of the ANP Decision Model Taking into Account the Experts Competence. *Procedia Computer Science*, **2017**, 112, 2269-2279	1.6	12
47	The identification of multi-criteria model of the significance of drainage pumping stations in Poland. *Acta Scientiarum Polonorum Formatio Circumiectus*, **2015**, 14, 147-163	1.2	11
46	STUDY TOWARDS THE TIME-BASED MCDA RANKING ANALYSIS A SUPPLIER SELECTION CASE STUDY. *Facta Universitatis, Series: Mechanical Engineering*, **2021**, 19, 381	3.2	11
45	Chaotic Dynamical State Variables Selection Procedure Based Image Encryption Scheme. *Symmetry*, **2017**, 9, 312	2.7	10
44	How the normalization of the decision matrix influences the results in the VIKOR method?. *Procedia Computer Science*, **2020**, 176, 2222-2231	1.6	9
43	A New Consistency Coefficient in the Multi-criteria Decision Analysis Domain. *Lecture Notes in Computer Science*, **2021**, 715-727	0.9	6
42	Application of the fuzzy multi-criteria decision-making method to identify nonlinear decision model. *International Journal of Computer Applications*, **2014**, 89, 1-6	1.1	5
41	Which Alternative for Solving Dual Fuzzy Nonlinear Equations Is More Precise?. *Mathematics*, **2020**, 8, 1507	2.3	5
40	New Rank-Reversal Free Approach to Handle Interval Data in MCDA Problems. *Lecture Notes in Computer Science*, **2021**, 458-472	0.9	5
39	How to handling with uncertain data in the TOPSIS technique?. *Procedia Computer Science*, **2020**, 176, 2232-2242	1.6	4
38	Identification of a Multi-criteria Assessment Model of Relation Between Editorial and Commercial Content in Web Systems. *Advances in Intelligent Systems and Computing*, **2017**, 295-305	0.4	4
37	Statistical and analytical approach of multi-criteria group decision-making based on the correlation coefficient under intuitionistic 2-tuple fuzzy linguistic environment. *Expert Systems With Applications*, **2022**, 193, 116341	7.8	4
36	Challenges in reliable solar panel selection using MCDA methods. *Procedia Computer Science*, **2021**, 192, 4913-4923	1.6	4

35	Hesitant Fuzzy Linear Regression Model for Decision Making. *Symmetry*, **2021**, 13, 1846	2.7	4
34	New Pythagorean Entropy Measure with Application in Multi-Criteria Decision Analysis.. *Entropy*, **2021**, 23,	2.8	3
33	Similarity Analysis of Methods for Objective Determination of Weights in Multi-Criteria Decision Support Systems. *Symmetry*, **2021**, 13, 1874	2.7	3
32	How to Apply Fuzzy MISO PID in the Industry? An Empirical Study Case on Simulation of Crane Relocating Containers. *Electronics (Switzerland)*, **2020**, 9, 2017	2.6	3
31	Are the results of MCDA methods reliable? Selection of materials for Thermal Energy Storage. *Procedia Computer Science*, **2021**, 192, 1313-1322	1.6	3
30	On Graph Structures in Fuzzy Environment Using Optimization Parameter. *IEEE Access*, **2021**, 9, 75699-75711	3.9	3
29	The Temporal Supplier Evaluation Model Based on Multicriteria Decision Analysis Methods. *Lecture Notes in Computer Science*, **2017**, 432-442	0.9	2
28	Linguistic Query Based Quality Evaluation of Selected Image Search Engines. *Procedia Computer Science*, **2017**, 112, 1809-1818	1.6	2
27	An ANN Model Trained on Regional Data in the Prediction of Particular Weather Conditions. *Applied Sciences (Switzerland)*, **2021**, 11, 4757	2.6	2
26	A Novel Multi-Criteria Group Decision-Making Approach Based on Bonferroni and Heronian Mean Operators under Hesitant 2-Tuple Linguistic Environment. *Mathematics*, **2021**, 9, 1489	2.3	2
25	Certain convergences for intuitionistic fuzzy sets. *Journal of Intelligent and Fuzzy Systems*, **2020**, 38, 553-564	1.0	2
24	Towards the RES Development: Multi-Criteria Assessment of Energy Storage Devices **2021**,		2
23	A New Entropy Measurement for the Analysis of Uncertain Data in MCDA Problems Using Intuitionistic Fuzzy Sets and COPRAS Method. *Axioms*, **2021**, 10, 335	1.6	2
22	pyrepo-mcda Reference objects based MCDA software package. *SoftwareX*, **2022**, 19, 101107	2.7	2
21	Swimmer Assessment Model (SWAM): Expert System Supporting Sport Potential Measurement. *IEEE Access*, **2022**, 10, 5051-5068	3.5	1
20	Study of Networks via Zagreb Connection Indices. *Symmetry*, **2021**, 13, 1991	2.7	1
19	Neural Networks in Economic Problems. *Springer Proceedings in Business and Economics*, **2016**, 245-266	0.2	1
18	Modeling the Perceptual Response from Effects Oriented Web Components Towards Lower Intrusiveness. *Procedia Computer Science*, **2016**, 96, 147-158	1.6	1

17	Why Does the Choice of Normalization Technique Matter in Decision-Making. *Studies in Systems, Decision and Control*, **2022**, 107-120	0.8	1
16	Dealing with Nonmonotonic Criteria in Decision-Making Problems Using Fuzzy Normalization. *Lecture Notes in Networks and Systems*, **2022**, 27-35	0.5	1
15	How to Make Decisions with Uncertainty Using Hesitant Fuzzy Sets?. *Lecture Notes in Networks and Systems*, **2022**, 763-771	0.5	1
14	A new multi-criteria model for ranking chess players. *Procedia Computer Science*, **2021**, 192, 4290-4299	1.6	0
13	The Usage of Possibility Degree in the Multi-criteria Decision-Analysis Problems. *Lecture Notes in Computer Science*, **2021**, 330-341	0.9	0
12	Is the Distribution of Research Grants Sustainable? An Empirical Study of Grant Assessment. *Sustainability*, **2020**, 12, 6891	3.6	0
11	Experimental Study of Color Contrast Influence in Internet Advertisements with Eye Tracker Usage. *Springer Proceedings in Business and Economics*, **2017**, 365-375	0.2	
10	Multicriteria Selection of Online Advertising Content for the Habituation Effect Reduction. *Lecture Notes in Computer Science*, **2019**, 499-509	0.9	
9	Selected methodological and practical aspects of the multi-criteria method PVM. *Procedia Computer Science*, **2019**, 159, 2267-2278	1.6	
8	Decision-Making Problems with Local Extremes: Comparative Study Case. *Lecture Notes in Computer Science*, **2021**, 453-462	0.9	
7	Exploitation of Web Resources Towards Increased Conversions and Effectiveness. *Smart Innovation, Systems and Technologies*, **2016**, 97-107	0.5	
6	Application of the Characteristic Objects Method in Supply Chain Management and Logistics. *Studies in Computational Intelligence*, **2016**, 445-453	0.8	
5	MCDA Based Swimmers Performance Measurement System. *Communications in Computer and Information Science*, **2022**, 530-545	0.3	
4	Towards Reliable Results - A Comparative Analysis of Selected MCDA Techniques in the Camera Selection Problem. *Lecture Notes in Business Information Processing*, **2022**, 143-165	0.6	
3	Can MCDA Methods Be Useful in E-commerce Systems? Comparative Study Case. *Communications in Computer and Information Science*, **2022**, 546-562	0.3	
2	Asymptotic Analysis of Low Energy Extremals with Convergence in Variable Exponent Lebesgue Spaces. *Fractal and Fractional*, **2022**, 6, 128	3	
1	Study of Transformed Networks via Zagreb Connection Indices. *Information (Switzerland)*, **2022**, 13, 179	2.6	