

# Erkan Aşelik

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,536  
citations

172207

29  
h-index

205818

48  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1720  
citing authors

#	ARTICLE	IF	CITATIONS
1	A state of the art literature review of VIKOR and its fuzzy extensions on applications. Applied Soft Computing Journal, 2016, 46, 60-89.	4.1	210
2	A comprehensive review of multi criteria decision making approaches based on interval type-2 fuzzy sets. Knowledge-Based Systems, 2015, 85, 329-341.	4.0	173
3	An integrated novel interval type-2 fuzzy MCDM method to improve customer satisfaction in public transportation for Istanbul. Transportation Research, Part E: Logistics and Transportation Review, 2013, 58, 28-51.	3.7	166
4	A fuzzy DEMATEL method to evaluate critical operational hazards during gas freeing process in crude oil tankers. Journal of Loss Prevention in the Process Industries, 2015, 38, 243-253.	1.7	150
5	An interval type-2 fuzzy AHP and TOPSIS methods for decision-making problems in maritime transportation engineering: The case of ship loader. Ocean Engineering, 2018, 155, 371-381.	1.9	119
6	A Combined Fuzzy-AHP and Fuzzy-GRA Methodology for Hydrogen Energy Storage Method Selection in Turkey. Energies, 2013, 6, 3017-3032.	1.6	107
7	A multiattribute customer satisfaction evaluation approach for rail transit network: A real case study for Istanbul, Turkey. Transport Policy, 2014, 36, 283-293.	3.4	102
8	Application of AHP and VIKOR methods under interval type 2 fuzzy environment in maritime transportation. Ocean Engineering, 2017, 129, 107-116.	1.9	97
9	A fuzzy logic based PROMETHEE method for material selection problems. Beni-Suef University Journal of Basic and Applied Sciences, 2018, 7, 68-79.	0.8	81
10	Hazard identification, risk assessment and control for dam construction safety using an integrated BWM and MARCOS approach under interval type-2 fuzzy sets environment. Automation in Construction, 2021, 127, 103699.	4.8	74
11	An Integrated Best-Worst and Interval Type-2 Fuzzy TOPSIS Methodology for Green Supplier Selection. Mathematics, 2019, 7, 182.	1.1	72
12	Assessment of occupational hazards and associated risks in fuzzy environment: A case study of a university chemical laboratory. Human and Ecological Risk Assessment (HERA), 2017, 23, 895-924.	1.7	64
13	A quantitative risk analysis by using interval type-2 fuzzy FMEA approach: the case of oil spill. Maritime Policy and Management, 2018, 45, 979-994.	1.9	64
14	An Integrated Approach of Best-Worst Method (BWM) and Triangular Fuzzy Sets for Evaluating Driver Behavior Factors Related to Road Safety. Mathematics, 2020, 8, 414.	1.1	64
15	A hierarchical customer satisfaction framework for evaluating rail transit systems of Istanbul. Transportation Research, Part A: Policy and Practice, 2015, 77, 61-81.	2.0	61
16	A hybrid risk-based approach for maritime applications: The case of ballast tank maintenance. Human and Ecological Risk Assessment (HERA), 2017, 23, 1389-1403.	1.7	55
17	A trapezoidal type-2 fuzzy MCDM method to identify and evaluate critical success factors for humanitarian relief logistics management. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2847-2855.	0.8	52
18	Fuzzy rule-based FineKinney risk assessment approach for rail transportation systems. Human and Ecological Risk Assessment (HERA), 2018, 24, 1786-1812.	1.7	48

#	ARTICLE	IF	CITATIONS
19	A modified human reliability analysis for cargo operation in single point mooring (SPM) off-shore units. <i>Applied Ocean Research</i> , 2016, 58, 11-20.	1.8	45
20	An outranking approach based on interval type-2 fuzzy sets to evaluate preparedness and response ability of non-governmental humanitarian relief organizations. <i>Computers and Industrial Engineering</i> , 2016, 101, 21-34.	3.4	45
21	A holistic FMEA approach by fuzzy-based Bayesian network and best-worst method. <i>Complex &amp; Intelligent Systems</i> , 2021, 7, 1547-1564.	4.0	44
22	Green supplier selection for textile industry: a case study using BWM-TODIM integration under interval type-2 fuzzy sets. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64793-64817.	2.7	42
23	A manufacturing failure mode and effect analysis based on fuzzy and probabilistic risk analysis. <i>Applied Soft Computing Journal</i> , 2020, 96, 106689.	4.1	41
24	An exhaustive review and analysis on applications of statistical forecasting in hospital emergency departments. <i>Health Systems</i> , 2020, 9, 263-284.	0.9	37
25	Emergency department performance evaluation by an integrated simulation and interval type-2 fuzzy MCDM-based scenario analysis. <i>European Journal of Industrial Engineering</i> , 2016, 10, 196.	0.5	36
26	An assessment approach for non-governmental organizations in humanitarian relief logistics and an application in Turkey. <i>Technological and Economic Development of Economy</i> , 2015, 24, 1-26.	2.3	35
27	The role of human factor in maritime environment risk assessment: A practical application on Ballast Water Treatment (BWT) system in ship. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018, 24, 653-666.	1.7	33
28	A practical application of human reliability assessment for operating procedures of the emergency fire pump at ship. <i>Ships and Offshore Structures</i> , 2018, 13, 208-216.	0.9	32
29	A cause and effect relationship model for location of temporary shelters in disaster operations management. <i>International Journal of Disaster Risk Reduction</i> , 2017, 22, 257-268.	1.8	30
30	An extended fuzzy TOPSIS-GRA method based on different separation measures for green logistics service provider selection. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1377-1392.	1.8	29
31	A new approach for rebalancing of U-lines with stochastic task times using ant colony optimisation algorithm. <i>International Journal of Production Research</i> , 2014, 52, 7262-7275.	4.9	28
32	Supply-driven rebalancing of disassembly lines: A novel mathematical model approach. <i>Journal of Cleaner Production</i> , 2019, 213, 1157-1164.	4.6	25
33	A multi-method patient arrival forecasting outline for hospital emergency departments. <i>International Journal of Healthcare Management</i> , 2020, 13, 283-295.	1.2	24
34	An interval type-2 fuzzy QUALIFLEX approach to measure performance effectiveness of ballast water treatment (BWT) system on-board ship. <i>Ships and Offshore Structures</i> , 2019, 14, 675-683.	0.9	22
35	A fuzzy best-worst method (BWM) to assess the potential environmental impacts of the process of ship recycling. <i>Maritime Policy and Management</i> , 2022, 49, 396-409.	1.9	21
36	Identifying Key Factors of Rail Transit Service Quality: An Empirical Analysis for Istanbul. <i>Journal of Public Transportation</i> , 2017, 20, 63-90.	0.3	20

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37	A New Extension of the ELECTRE Method Based Upon Interval Type-2 Fuzzy Sets for Green Logistic Service Providers Evaluation. <i>Journal of Testing and Evaluation</i> , 2016, 44, 1813-1827.	0.4	19
38	An efficient algorithm for U-type assembly line re-balancing problem with stochastic task times. <i>Assembly Automation</i> , 2019, 39, 581-595.	1.0	17
39	A FUZZY AHP AND ELECTRE METHOD FOR SELECTING STABILIZING DEVICE IN SHIP INDUSTRY. <i>Brodogradnja</i> , 2018, 69, 61-77.	0.6	15
40	Analyzing the service quality priorities in cargo transportation before and during the Covid-19 outbreak. <i>Transport Policy</i> , 2021, 108, 34-46.	3.4	14
41	ANN and ANFIS Approaches to Calculate the Heating and Cooling Degree Day Values: The Case of Provinces in Turkey. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 7581-7597.	1.7	13
42	Performance Comparison between ARIMAX, ANN and ARIMAX-ANN Hybridization in Sales Forecasting for Furniture Industry. <i>Drvna Industrija</i> , 2018, 69, 357-370.	0.3	12
43	How Covid-19 pandemic and partial lockdown decisions affect air quality of a city? The case of Istanbul, Turkey. <i>Environment, Development and Sustainability</i> , 2022, 24, 1616-1654.	2.7	12
44	Application of Artificial Neural Networks Using Bayesian Training Rule in Sales Forecasting for Furniture Industry. <i>Drvna Industrija</i> , 2017, 68, 219-228.	0.3	9
45	Stochastic multi-criteria decision-making: an overview to methods and applications. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2019, 8, .	0.8	9
46	An integral based fuzzy approach to evaluate waste materials for concrete. <i>Smart Structures and Systems</i> , 2017, 19, 323-333.	1.9	8
47	An extended human reliability analysing under fuzzy logic environment for ship navigation. <i>Australian Journal of Maritime and Ocean Affairs</i> , 2023, 15, 189-209.	1.1	8
48	Forecasting daily natural gas consumption with regression, time series and machine learning based methods. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-16.	1.2	7
49	A Forecasting Model for Patient Arrivals of an Emergency Department in Healthcare Management Systems. <i>Advances in Healthcare Information Systems and Administration Book Series</i> , 2019, , 266-284.	0.2	5
50	Fine Kinney-Based Occupational Risk Assessment Using Single-Valued Neutrosophic TOPSIS. <i>Studies in Fuzziness and Soft Computing</i> , 2021, , 111-133.	0.6	5
51	PERFORMANCE EVALUATION OF TURKISH RETAIL FIRMS USING THE FUZZY AHP, PROMETHEE, ELECTRE AND VIKOR METHODS. <i>World Scientific Proceedings Series on Computer Engineering and Information Science</i> , 2012, , 243-248.	0.1	3
52	A Fuzzy DEMATAL Model Proposal for the Cause and Effect of the Fault Occuring in the Auxiliary Systems of the Ships' Main Engine. , 2018, Vol 160, .		3
53	A Fuzzy Decision-Making Model for the Key Performance Indicators of Hospital Service Quality Evaluation. <i>Advances in Healthcare Information Systems and Administration Book Series</i> , 2020, , 42-62.	0.2	3
54	NARX Neural Networks Model for Forecasting Daily Patient Arrivals in the Emergency Department. <i>Advances in Healthcare Information Systems and Administration Book Series</i> , 2020, , 1-18.	0.2	3

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55	Fine Kinney Occupational Risk Assessment Method and Its Extensions by Fuzzy Sets: A State-of-the-Art Review. <i>Studies in Fuzziness and Soft Computing</i> , 2021, , 1-11.	0.6	2
56	AN INTUITIONISTIC FUZZY APPROACH FOR EVALUATING SERVICE QUALITY OF PUBLIC TRANSPORTATION SYSTEMS. , 2016, , .		1
57	A Risk Assessment Approach Using Both Stochastic Data and Subjective Judgments. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 1104-1111.	0.5	1
58	Fine Kinney-Based Occupational Risk Assessment Using Interval Type-2 Fuzzy TOPSIS. <i>Studies in Fuzziness and Soft Computing</i> , 2021, , 31-44.	0.6	1
59	Metaheuristic Approaches Integrated with ANN in Forecasting Daily Emergency Department Visits. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	0.6	1