Yusuf Tansel Ic

List of Publications by Year
in descending order

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51	917	687363	477307
papers	citations	13 h-index	29 g-index

51	51	51	831
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An experimental design approach using TOPSIS method for the selection of computer-integrated manufacturing technologies. Robotics and Computer-Integrated Manufacturing, 2012, 28, 245-256.	9.9	145
2	AHP approach in the credit evaluation of the manufacturing firms in Turkey. International Journal of Production Economics, 2004, 88, 269-289.	8.9	100
3	A TOPSIS-based Taguchi optimization to determine optimal mixture proportions of the high strength self-compacting concrete. Chemometrics and Intelligent Laboratory Systems, 2013, 125, 18-32.	3.5	95
4	Development of a quick credibility scoring decision support system using fuzzy TOPSIS. Expert Systems With Applications, 2010, 37, 567-574.	7.6	66
5	Application of correlation test to criteria selection for multi criteria decision making (MCDM) models. International Journal of Advanced Manufacturing Technology, 2009, 40, 403-412.	3.0	60
6	A RSM-Based Multi-Response Optimization Application for Determining Optimal Mix Proportions of Standard Ready-Mixed Concrete. Arabian Journal for Science and Engineering, 2016, 41, 1435-1450.	1.1	46
7	MOORA-based Taguchi optimisation for improving product or process quality. International Journal of Production Research, 2013, 51, 3321-3341.	7.5	45
8	Optimisation of cutting parameters for minimizing carbon emission and maximising cutting quality in turning process. International Journal of Production Research, 2018, 56, 4035-4055.	7.5	43
9	Development of a credit limit allocation model for banks using an integrated Fuzzy TOPSIS and linear programming. Expert Systems With Applications, 2012, 39, 5309-5316.	7.6	41
10	A Multi-Objective Credit Evaluation Model Using MOORA Method and Goal Programming. Arabian Journal for Science and Engineering, 2020, 45, 2035-2048.	3.0	25
11	Development of a component-based machining centre selection model using AHP. International Journal of Production Research, 2012, 50, 6489-6498.	7.5	23
12	Development of a new trapezoidal fuzzy AHP-TOPSIS hybrid approach for manufacturing firm performance measurement. Granular Computing, 2021, 6, 915-929.	8.0	19
13	Fuzzy failure mode and effect analysis application to reduce risk level in a ready-mixed concrete plant: A fuzzy rule based system modelling approach. Mathematics and Computers in Simulation, 2020, 178, 549-587.	4.4	15
14	An improved decision support system for ABC inventory classification. Evolving Systems, 2020, 11, 683-696.	3.9	14
15	New mathematical models for team formation of sports clubs before the match. Central European Journal of Operations Research, 2019, 27, 93-109.	1.8	12
16	Development of a new multi-criteria optimization method for engineering design problems. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2016, 27, 413-436.	2.1	11
17	An integrated AHP-modified VIKOR model for financial performance modeling in retail and wholesale trade companies. Decision Analytics Journal, 2022, 3, 100077.	4.8	11
18	A decision support system for selection of net-shape primary manufacturing processes. International Journal of Production Research, 2014, 52, 1528-1541.	7.5	10

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19	An Integrated Fuzzy TOPSIS-Knapsack Problem Model for Order Selection in a Bakery. Arabian Journal for Science and Engineering, 2017, 42, 5321-5337.	3.0	10
20	Building a Graphical User Interface for Concrete Production Processes: A Combined Application of Statistical Process Control and Design of Experiment. Arabian Journal for Science and Engineering, 2019, 44, 4373-4393.	3.0	9
21	Development of a multi-criteria decision-making model for comparing the performance of Turkish commercial banks. Journal of Advances in Management Research, 2021, 18, 250-272.	3.0	9
22	Development of a multi-level performance measurement model for manufacturing companies using a modified version of the fuzzy TOPSIS approach. Soft Computing, 2018, 22, 7491-7503.	3.6	8
23	Development of a Spreadsheet DSS for Multi-Response Taguchi Parameter Optimization Problems Using the TOPSIS, VIKOR, and GRA Methods. International Journal of Information Technology and Decision Making, 2019, 18, 1501-1531.	3.9	8
24	Comparison of Fuzzy and Crisp Versions of an AHP and TOPSIS Model for Nontraditional Manufacturing Process Ranking Decision. Journal of Advanced Manufacturing Systems, 2019, 18, 167-192.	1.0	8
25	Operating window perspective integrated TOPSIS approach for hybrid electrical automobile selection. SN Applied Sciences, 2019, 1, 1.	2.9	7
26	Airfoilâ€“slat arrangement model design for wind turbines in fuzzy environment. Neural Computing and Applications, 2020, 32, 13931-13939.	5.6	7
27	Topsis based Taguchi method for multi-response simulation optimization of flexible manufacturing system. , 2014, , .		6
28	Development of an intuitionistic fuzzy ranking model for nontraditional machining processes. Soft Computing, 2020, 24, 10095-10110.	3.6	6
29	Analysis of Performance Improvement Brought by the Application of an ISO 9001 Quality Management System With TOPSIS Approach. International Journal of Knowledge-Based Organizations, 2019, 9, 1-13.	0.4	5
30	Reducing Uncertainty in a Type J Thermocouple Calibration Process. International Journal of Thermophysics, 2019, 40, 1.	2.1	5
31	A knowledge-based material selection system for interactive pressure vessel design. International Journal on Interactive Design and Manufacturing, 2020, 14, 323-343.	2.2	5
32	The development of a reviewer selection method: a multi-level hesitant fuzzy VIKOR and TOPSIS approaches. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 3275-3302.	4.9	5
33	Development of a hybrid financial performance measurement model using AHP and DOE methods for Turkish commercial banks. Soft Computing, 2022, 26, 2959-2979.	3.6	5
34	Development of a New Support Mechanism to Calculate Feed-in Tariffs for Electricity Generation from Renewable Energy Sources in Turkey. Process Integration and Optimization for Sustainability, 2019, 3, 423-436.	2.6	4
35	Reliability Centered Maintenance Analysis Using Analytic Hierarchy Process for Electro-mechanical Actuators. Aerotecnica Missili & Spazio, 2021, 100, 321-335.	0.9	4
36	Analysis of the manufacturing flexibility parameters with effective performance metrics: a new interactive approach based on modified TOPSIS-Taguchi method. International Journal on Interactive Design and Manufacturing, 2022, 16, 197-225.	2.2	4

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37	Multi-objective Optimization of Turning Parameters for SiC- or Al2O3-Reinforced Aluminum Matrix Composites. Process Integration and Optimization for Sustainability, 2021, 5, 609-623.	2.6	3
38	Development of a decision support system to determine engineering student achievement levels based on individual program output during the accreditation process. Education and Information Technologies, 2022, 27, 4447-4472.	5.7	3
39	Variable refrigerant flow air conditioning system applicant company selection using PROMETHEE method. International Journal of Energy and Environmental Engineering, 2022, 13, 1177-1204.	2.5	3
40	Development of a goal programming model based on response surface and analytic hierarchy process approaches for laser cutting process optimization of St-52 steel plates. Journal of Advanced Manufacturing Systems, 0, , .	1.0	2
41	Understanding the Effect of Assignment of Importance Scores of Evaluation Criteria Randomly in the Application of DOE-TOPSIS in Decision Making. Advances in Intelligent Systems and Computing, 2019, , 411-424.	0.6	2
42	A New Multi-response Taguchi-Based Goal Programming Model for Sustainable Turning Process. Arabian Journal for Science and Engineering, 2022, 47, 3915.	3.0	2
43	Partitioning of a manufacturing system into machine cellsâ€”a practical application. Evolving Systems, 2021, 12, 423-438.	3.9	1
44	A Simplified Throughput Model for a Unit-Load AS/RS Considering Dynamics Principles. Journal of Advanced Manufacturing Systems, 2022, 21, 125-142.	1.0	1
45	A Multi-Objective Mathematical Model for Level of Repair Analysis with Lead Times and Multi-Transportation Modes. International Journal of Information Technology and Decision Making, 0, , 1-18.	3.9	1
46	A New Multi Echelon Repair Network Model with Multiple Upstream Locations for Level of Repair Analysis Problem. Defence Science Journal, 2021, 71, 762-771.	0.8	1
47	Selecting the field hospital location for earthquakes: an application for Ankara Province in Turkey. International Journal of Emergency Services, 2021, , .	1.1	1
48	A new long term (strategic) ranking model for machining center selection decisions based on the review of machining center structural components using triangular fuzzy numbers. Decision Analytics Journal, 2022, 4, 100081.	4.8	1
49	Development of a new hesitant fuzzy ranking model for NTMP ranking problem. Soft Computing, 2021, 25, 14537-14548.	3.6	0
50	Development and comparison of airplane fuselage panel assembly system alternatives using axiomatic design principles and simulation methodology. International Journal on Interactive Design and Manufacturing, 0, , 1.	2.2	0
51	Analysis of the Robustness of the Operational Performance Using a Combined Model of the Design of Experiment and Goal Programming Approaches for a Flexible Manufacturing Cell. Journal of Advanced Manufacturing Systems, 0, , 1-26.	1.0	0