Diyar Akay

List of Publications by Citations

37 papers	2,063 citations	14 h-index	40 g-index
40 ext. papers	2,405 ext. citations	5.1 avg, IF	5.19 L-index

#	Paper	IF	Citations
37	A multi-criteria intuitionistic fuzzy group decision making for supplier selection with TOPSIS method. *Expert Systems With Applications*, **2009**, 36, 11363-11368	7.8	936
36	Grey prediction with rolling mechanism for electricity demand forecasting of Turkey. *Energy*, **2007**, 32, 1670-1675	7.9	283
35	A biparametric similarity measure on intuitionistic fuzzy sets with applications to pattern recognition. *Information Sciences*, **2014**, 255, 45-57	7.7	163
34	Comparison of direct and iterative artificial neural network forecast approaches in multi-periodic time series forecasting. *Expert Systems With Applications*, **2009**, 36, 3839-3844	7.8	119
33	Interval multiplicative transitivity for consistency, missing values and priority weights of interval fuzzy preference relations. *Information Sciences*, **2010**, 180, 4877-4891	7.7	112
32	Personnel selection based on intuitionistic fuzzy sets. *Human Factors and Ergonomics in Manufacturing*, **2011**, 21, 493-503	1.4	78
31	Conceptual design evaluation using interval type-2 fuzzy information axiom. *Computers in Industry*, **2011**, 62, 138-146	11.6	61
30	An overview of methods for linguistic summarization with fuzzy sets. *Expert Systems With Applications*, **2016**, 61, 356-377	7.8	46
29	Collaborative tool for solving human factors problems in the manufacturing environment: the Theory of Inventive Problem Solving Technique (TRIZ) method. *International Journal of Production Research*, **2008**, 46, 2913-2925	7.8	33
28	Some picture fuzzy Bonferroni mean operators with their application to multicriteria decision making. *International Journal of Intelligent Systems*, **2020**, 35, 625-649	8.4	18
27	A generic method for the evaluation of interval type-2 fuzzy linguistic summaries. *IEEE Transactions on Cybernetics*, **2014**, 44, 1632-45	10.2	18
26	. *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 1640-1653	8.3	16
25	Grey relational analysis based on instance based learning approach for classification of risks of occupational low back disorders. *Safety Science*, **2011**, 49, 1277-1282	5.8	16
24	A neuro-fuzzy based approach to affective design. *International Journal of Advanced Manufacturing Technology*, **2009**, 40, 425-437	3.2	14
23	Making Tactile Textures with Predefined Affective Properties. *IEEE Transactions on Affective Computing*, **2014**, 5, 57-70	5.7	13
22	Ant colony optimization approach for classification of occupational low back disorder risks. *Human Factors and Ergonomics in Manufacturing*, **2009**, 19, 1-14	1.4	13
21	Usability Ranking of Intercity Bus Passenger Seats Using Fuzzy Axiomatic Design Theory. *Lecture Notes in Computer Science*, **2006**, 141-148	0.9	13

20	Concept design evaluation by using Z-axiomatic design. *Computers in Industry*, **2020**, 122, 103278	11.6	13
19	Linguistic Summarization of Europe Brent Spot Price Time Series Along with the Interpretations from the Perspective of Turkey. *International Journal of Intelligent Systems*, **2014**, 29, 946-970	8.4	12
18	NEFCLASS based extraction of fuzzy rules and classification of risks of low back disorders. *Expert Systems With Applications*, **2008**, 35, 2107-2112	7.8	12
17	ANFIS modeling for predicting affective responses to tactile textures. *Human Factors and Ergonomics in Manufacturing*, **2012**, 22, 269-281	1.4	11
16	ANFIS and Deep Learning based missing sensor data prediction in IoT. *Concurrency Computation Practice and Experience*, **2020**, 32, e5400	1.4	9
15	Linguistic summarization of fuzzy social and economic networks: an application on the international trade network. *Soft Computing*, **2020**, 24, 1511-1527	3.5	8
14	Grey relational analysis between Turkey□s macroeconomic indicators and domestic savings. *Grey Systems Theory and Application*, **2017**, 7, 45-59	1.6	7
13	The Evaluation of Power Plants Investment Alternatives with Grey Relational Analysis Approach for Turkey. *Energy Sources, Part B: Economics, Planning and Policy*, **2013**, 8, 35-43	3.1	7
12	Fuzzy Linguistic Summarization with Genetic Algorithm: An Application with Operational and Financial Healthcare Data. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2017**, 25, 599-620	0.8	6
11	A holistic and structured CPFR roadmap with an application between automotive supplier and its aftermarket customer. *International Journal of Advanced Manufacturing Technology*, **2017**, 91, 1567-1586	3.2	5
10	Classification of Risks of Occupational Low Back Disorders with Support Vector Machines. *Human Factors and Ergonomics in Manufacturing*, **2016**, 26, 550-558	1.4	5
9	Fuzzy Quantification and Opinion Mining on Qualitative Data using Feature Reduction. *International Journal of Intelligent Systems*, **2018**, 33, 1840-1857	8.4	5
8	An Extension of Fuzzy Linguistic Summarization Considering Probabilistic Uncertainty. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2018**, 26, 195-215	0.8	2
7	Developing a□Labeled Affective Magnitude scale and Fuzzy Linguistic scale for tactile feeling. *Human Factors and Ergonomics in Manufacturing*, **2021**, 31, 13-26	1.4	2
6	A possibilistic approach for interval type-2 fuzzy linguistic summarization of time series. *Artificial Intelligence Review*, **2021**, 54, 3991-4018	9.7	2
5	Texture features corresponding to human touch feeling **2009**,		1
4	Modeling of an Intermediate Temperature Solid Oxide Fuel Cell Using the Adaptive Neuro-Fuzzy Inference System (ANFIS). *Journal of Fuel Cell Science and Technology*, **2010**, 7,		1
3	Evaluation of product design concepts using grey-fuzzy information axiom **2007**,		1

2	Linguistic summarization to support supply network decisions. *Journal of Intelligent Manufacturing*, **2021**, 32, 1573-1586	6.7	1
1	The Impact of Automation and FMS in Flight Safety: Results of a Survey and an Experimental Study. *Lecture Notes in Computer Science*, **2007**, 631-638	0.9	0