

Diyar Akay

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,805
citations

471061

17
h-index

360668

35
g-index

40
all docs

40
docs citations

40
times ranked

2231
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-criteria intuitionistic fuzzy group decision making for supplier selection with TOPSIS method. Expert Systems With Applications, 2009, 36, 11363-11368.	4.4	1,222
2	Grey prediction with rolling mechanism for electricity demand forecasting of Turkey. Energy, 2007, 32, 1670-1675.	4.5	366
3	A biparametric similarity measure on intuitionistic fuzzy sets with applications to pattern recognition. Information Sciences, 2014, 255, 45-57.	4.0	242
4	Comparison of direct and iterative artificial neural network forecast approaches in multi-periodic time series forecasting. Expert Systems With Applications, 2009, 36, 3839-3844.	4.4	174
5	Interval multiplicative transitivity for consistency, missing values and priority weights of interval fuzzy preference relations. Information Sciences, 2010, 180, 4877-4891.	4.0	128
6	Personnel selection based on intuitionistic fuzzy sets. Human Factors and Ergonomics in Manufacturing, 2011, 21, 493-503.	1.4	101
7	Conceptual design evaluation using interval type-2 fuzzy information axiom. Computers in Industry, 2011, 62, 138-146.	5.7	85
8	An overview of methods for linguistic summarization with fuzzy sets. Expert Systems With Applications, 2016, 61, 356-377.	4.4	72
9	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.	4.9	43
10	Some picture fuzzy Bonferroni mean operators with their application to multicriteria decision making. International Journal of Intelligent Systems, 2020, 35, 625-649.	3.3	42
11	Concept design evaluation by using Z-axiomatic design. Computers in Industry, 2020, 122, 103278.	5.7	36
12	A Generic Method for the Evaluation of Interval Type-2 Fuzzy Linguistic Summaries. IEEE Transactions on Cybernetics, 2014, 44, 1632-1645.	6.2	25
13	A Probabilistic Framework for Interval Type-2 Fuzzy Linguistic Summarization. IEEE Transactions on Fuzzy Systems, 2014, 22, 1640-1653.	6.5	21
14	Grey relational analysis based on instance based learning approach for classification of risks of occupational low back disorders. Safety Science, 2011, 49, 1277-1282.	2.6	20
15	Making Tactile Textures with Predefined Affective Properties. IEEE Transactions on Affective Computing, 2014, 5, 57-70.	5.7	20
16	ANFIS and Deep Learning based missing sensor data prediction in IoT. Concurrency Computation Practice and Experience, 2020, 32, e5400.	1.4	20
17	A neuro-fuzzy based approach to affective design. International Journal of Advanced Manufacturing Technology, 2009, 40, 425-437.	1.5	18
18	Linguistic summarization of fuzzy social and economic networks: an application on the international trade network. Soft Computing, 2020, 24, 1511-1527.	2.1	17

#	ARTICLE	IF	CITATIONS
19	Ant colony optimization approach for classification of occupational low back disorder risks. Human Factors and Ergonomics in Manufacturing, 2009, 19, 1-14.	1.4	16
20	NEFCLASS based extraction of fuzzy rules and classification of risks of low back disorders. Expert Systems With Applications, 2008, 35, 2107-2112.	4.4	14
21	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.	3.3	14
22	ANFIS modeling for predicting affective responses to tactile textures. Human Factors and Ergonomics in Manufacturing, 2012, 22, 269-281.	1.4	11
23	Grey relational analysis between Turkey's macroeconomic indicators and domestic savings. Grey Systems Theory and Application, 2017, 7, 45-59.	1.0	11
24	A holistic and structured CPFRR roadmap with an application between automotive supplier and its aftermarket customer. International Journal of Advanced Manufacturing Technology, 2017, 91, 1567-1586.	1.5	10
25	Fuzzy Linguistic Summarization with Genetic Algorithm: An Application with Operational and Financial Healthcare Data. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2017, 25, 599-620.	0.9	9
26	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.	1.8	7
27	Classification of Risks of Occupational Low Back Disorders with Support Vector Machines. Human Factors and Ergonomics in Manufacturing, 2016, 26, 550-558.	1.4	7
28	Fuzzy Quantification and Opinion Mining on Qualitative Data using Feature Reduction. International Journal of Intelligent Systems, 2018, 33, 1840-1857.	3.3	7
29	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	7
30	An Extension of Fuzzy Linguistic Summarization Considering Probabilistic Uncertainty. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2018, 26, 195-215.	0.9	6
31	Evaluation of product design concepts using grey-fuzzy information axiom. , 2007, , .		4
32	Linguistic summarization to support supply network decisions. Journal of Intelligent Manufacturing, 2021, 32, 1573-1586.	4.4	4
33	A possibilistic approach for interval type-2 fuzzy linguistic summarization of time series. Artificial Intelligence Review, 2021, 54, 3991-4018.	9.7	3
34	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, .	0.8	2
35	Opinion mining and fuzzy quantification in hotel reviews. , 2016, , .		2
36	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.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Texture features corresponding to human touch feeling. , 2009, , .		1
38	Patent Mining. Journal of Polytechnic, 2021, 24, 745-753.	0.4	1
39	Linguistic Descriptions of Airport Evaluation Data for Recommendation Strategies. , 2021, , .		0