# Diyar Akay

## List of Publications by Year in Descending Order

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|---|---|---|---|
| **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 | Linguistic summarization to support supply network decisions. *Journal of Intelligent Manufacturing*, **2021**, 32, 1573-1586 | 6.7 | 1 |
| 36 | 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 |
| 35 | A possibilistic approach for interval type-2 fuzzy linguistic summarization of time series. *Artificial Intelligence Review*, **2021**, 54, 3991-4018 | 9.7 | 2 |
| 34 | 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 |
| 33 | Concept design evaluation by using Z-axiomatic design. *Computers in Industry*, **2020**, 122, 103278 | 11.6 | 13 |
| 32 | ANFIS and Deep Learning based missing sensor data prediction in IoT. *Concurrency Computation Practice and Experience*, **2020**, 32, e5400 | 1.4 | 9 |
| 31 | Linguistic summarization of fuzzy social and economic networks: an application on the international trade network. *Soft Computing*, **2020**, 24, 1511-1527 | 3.5 | 8 |
| 30 | 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 |
| 29 | Fuzzy Quantification and Opinion Mining on Qualitative Data using Feature Reduction. *International Journal of Intelligent Systems*, **2018**, 33, 1840-1857 | 8.4 | 5 |
| 28 | Grey relational analysis between Turkey's macroeconomic indicators and domestic savings. *Grey Systems Theory and Application*, **2017**, 7, 45-59 | 1.6 | 7 |
| 27 | 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 |
| 26 | 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 |
| 25 | An overview of methods for linguistic summarization with fuzzy sets. *Expert Systems With Applications*, **2016**, 61, 356-377 | 7.8 | 46 |
| 24 | 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 |
| 23 | A generic method for the evaluation of interval type-2 fuzzy linguistic summaries. *IEEE Transactions on Cybernetics*, **2014**, 44, 1632-45 | 10.2 | 18 |
| 22 | 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 |
| 21 | Making Tactile Textures with Predefined Affective Properties. *IEEE Transactions on Affective Computing*, **2014**, 5, 57-70 | 5.7 | 13 |

| 20 | A biparametric similarity measure on intuitionistic fuzzy sets with applications to pattern recognition. *Information Sciences*, **2014**, 255, 45-57 | 7.7 | 163 |
|---|---|---|---|
| 19 | . *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 1640-1653 | 8.3 | 16 |
| 18 | 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 |
| 17 | ANFIS modeling for predicting affective responses to tactile textures. *Human Factors and Ergonomics in Manufacturing*, **2012**, 22, 269-281 | 1.4 | 11 |
| 16 | Conceptual design evaluation using interval type-2 fuzzy information axiom. *Computers in Industry*, **2011**, 62, 138-146 | 11.6 | 61 |
| 15 | Personnel selection based on intuitionistic fuzzy sets. *Human Factors and Ergonomics in Manufacturing*, **2011**, 21, 493-503 | 1.4 | 78 |
| 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 | 5.8 | 16 |
| 13 | 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 |
| 12 | Interval multiplicative transitivity for consistency, missing values and priority weights of interval fuzzy preference relations. *Information Sciences*, **2010**, 180, 4877-4891 | 7.7 | 112 |
| 11 | Texture features corresponding to human touch feeling **2009**, | | 1 |
| 10 | 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 |
| 9 | A neuro-fuzzy based approach to affective design. *International Journal of Advanced Manufacturing Technology*, **2009**, 40, 425-437 | 3.2 | 14 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | Grey prediction with rolling mechanism for electricity demand forecasting of Turkey. *Energy*, **2007**, 32, 1670-1675 | 7.9 | 283 |
| 3 | Evaluation of product design concepts using grey-fuzzy information axiom **2007**, | | 1 |

| 2 | 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 |

| 1 | Usability Ranking of Intercity Bus Passenger Seats Using Fuzzy Axiomatic Design Theory. *Lecture Notes in Computer Science*, **2006**, 141-148 | 0.9 | 13 |