# Alper Basturk

List of Publications by Year
in descending order

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|---|---|---|---|
| 53<br>papers | 1,073<br>citations | 430874<br>18<br>h-index | 434195<br>31<br>g-index |
| 53<br>all docs | 53<br>docs citations | 53<br>times ranked | 742<br>citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | A comprehensive review of deep learning in colon cancer. Computers in Biology and Medicine, 2020, 126, 104003. | 7.0 | 125 |
| 2 | Efficient edge detection in digital images using a cellular neural network optimized by differential evolution algorithm. Expert Systems With Applications, 2009, 36, 2645-2650. | 7.6 | 95 |
| 3 | A new efficient training strategy for deep neural networks by hybridization of artificial bee colony and limited–memory BFGS optimization algorithms. Neurocomputing, 2017, 266, 506-526. | 5.9 | 94 |
| 4 | Transfer learning-based convolutional neural networks with heuristic optimization for hand gesture recognition. Neural Computing and Applications, 2019, 31, 8955-8970. | 5.6 | 73 |
| 5 | An efficient real-time colonic polyp detection with YOLO algorithms trained by using negative samples and large datasets. Computers in Biology and Medicine, 2022, 141, 105031. | 7.0 | 67 |
| 6 | Efficient Removal of Impulse Noise from Highly Corrupted Digital Images by a Simple Neuro-Fuzzy Operator. AEU - International Journal of Electronics and Communications, 2003, 57, 214-219. | 2.9 | 60 |
| 7 | Impulse Noise Removal From Digital Images by a Detail-Preserving Filter Based on Type-2 Fuzzy Logic. IEEE Transactions on Fuzzy Systems, 2008, 16, 920-928. | 9.8 | 56 |
| 8 | A new hybrid optimization method combining artificial bee colony and limited-memory BFGS algorithms for efficient numerical optimization. Applied Soft Computing Journal, 2018, 70, 826-844. | 7.2 | 43 |
| 9 | Application of Type-2 Fuzzy Logic Filtering to Reduce Noise in Color Images. IEEE Computational Intelligence Magazine, 2012, 7, 25-35. | 3.2 | 41 |
| 10 | Performance improvement of deep neural network classifiers by a simple training strategy. Engineering Applications of Artificial Intelligence, 2018, 67, 14-23. | 8.1 | 40 |
| 11 | A simple generalized neuro-fuzzy operator for efficient removal of impulse noise from highly corrupted digital images. AEU - International Journal of Electronics and Communications, 2005, 59, 1-7. | 2.9 | 29 |
| 12 | Human action recognition with deep learning and structural optimization using a hybrid heuristic algorithm. Cluster Computing, 2020, 23, 2847-2860. | 5.0 | 28 |
| 13 | Detail-Preserving Restoration of Impulse Noise Corrupted Images by a Switching Median Filter Guided by a Simple Neuro-Fuzzy Network. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1. | 1.7 | 26 |
| 14 | Performance analysis of the coarse-grained parallel model of the artificial bee colony algorithm. Information Sciences, 2013, 253, 34-55. | 6.9 | 25 |
| 15 | Parallel Implementation of Synchronous Type Artificial Bee Colony Algorithm for Global Optimization. Journal of Optimization Theory and Applications, 2012, 155, 1095-1104. | 1.5 | 22 |
| 16 | A Deep Neural Network Classifier for Decoding Human Brain Activity Based on Magnetoencephalography. Elektronika Ir Elektrotechnika, 2017, 23, . | 0.8 | 22 |
| 17 | Classification of high resolution hyperspectral remote sensing data usingÂdeep neural networks. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2273-2285. | 1.4 | 21 |
| 18 | Lip Reading Using Convolutional Neural Networks with and without Pre-Trained Models. Balkan Journal of Electrical and Computer Engineering, 2019, 7, 195-201. | 0.6 | 21 |

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|---|---------|-----|-----------|
| 19 | Metabolic Imaging Based Sub-Classification of Lung Cancer. IEEE Access, 2020, 8, 218470-218476. | 4.2 | 19 |
| 20 | Artificial bee colony optimization for modelling of indoor PLC channels: A case study from Turkey. Electric Power Systems Research, 2015, 127, 73-79. | 3.6 | 18 |
| 21 | Static facial expression recognition using convolutional neural networks based on transfer learning and hyperparameter optimization. Multimedia Tools and Applications, 2020, 79, 26587-26604. | 3.9 | 17 |
| 22 | Parallel population-based algorithm portfolios: An empirical study. Neurocomputing, 2017, 247, 115-125. | 5.9 | 16 |
| 23 | Unclonable Features via Electrospraying of Bulk Polymers. ACS Applied Polymer Materials, 2022, 4, 5952-5964. | 4.4 | 14 |
| 24 | Inspection of defects in fabrics using Gabor wavelets and principle component analysis. , 2007, , . | | 10 |
| 25 | Deep neural network based diagnosis system for melanoma skin cancer. , 2017, , . | | 10 |
| 26 | A Detail-Preserving Type-2 Fuzzy Logic Filter for Impulse Noise Removal from Digital Images. IEEE International Conference on Fuzzy Systems, 2007, , . | 0.0 | 9 |
| 27 | Performance Improvement Of Pre-trained Convolutional Neural Networks For Action Recognition. Computer Journal, 2021, 64, 1715-1730. | 2.4 | 9 |
| 28 | Performance of LDPC coded image transmission over realistic PLC channels for smart grid applications. International Journal of Electrical Power and Energy Systems, 2014, 62, 549-555. | 5.5 | 8 |
| 29 | Static Image-Based Emotion Recognition Using Convolutional Neural Network. , 2019, , . | | 7 |
| 30 | Classification of human activity by using a Stacked Autoencoder. , 2016, , . | | 6 |
| 31 | ERUSLR: yeni bir TÃ¼rkÃ§e iÅŸaret dili veri seti ve hiperparametre optimizasyonu destekli evriÅŸimli sinir aÄŸÄ± ile tanÄ±nmasÄ±. Journal of the Faculty of Engineering and Architecture of Gazi University, 0, , . | 0.8 | 6 |
| 32 | Deep neural network classifier for hand movement prediction. , 2017, , . | | 5 |
| 33 | A novel fuzzy filter for speckle noise removal. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 1367-1381. | 1.4 | 4 |
| 34 | Comparison of LTE 800 MHz and LTE 2600 MHz frequency bands in terms of cell coverage. , 2011, , . | | 3 |
| 35 | Fingerprint recognition by deep neural networks and fingercodes. , 2018, , . | | 3 |
| 36 | Adaptive neuro-fuzzy inference system for speckle noise reduction in SAR images. , 2007, , . | | 2 |

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|---|---------|----|-----------|
| 37 | Clonal selection algorithm based cloning template learning for edge detection in digital images with CNN. , 2008, , . | | 2 |
| 38 | Rule based optimization of type-2 fuzzy inference system used at impulse noise removing. , 2011, , . | | 2 |
| 39 | High Performance Fuzzy Systems for Real World Problems. Advances in Fuzzy Systems, 2012, 2012, 1-2. | 0.9 | 2 |
| 40 | Highly Accurate Analytic Approximation to the Gaussian Q-function Based on the Use of Nonlinear Least Squares Optimization Algorithm. Journal of Optimization Theory and Applications, 2013, 159, 183-191. | 1.5 | 2 |
| 41 | Accelerating Discrete Haar Wavelet Transform on GPU cluster. , 2015, , . | | 2 |
| 42 | The effect of autoencoders over reducing the dimensionality of a dermatology data set. , 2016, , . | | 2 |
| 43 | Application of Deep Neural Networks for Disease Diagnosis Through Medical Data Sets. Smart Innovation, Systems and Technologies, 2019, , 259-292. | 0.6 | 2 |
| 44 | Efficient Distortion Reduction of Mixed Noise Filters by Neuro-fuzzy Processing. Lecture Notes in Computer Science, 2006, , 331-339. | 1.3 | 2 |
| 45 | Neuro-fuzzy soft switching hybrid filter for impulse noise removal from digital images. , 0, , . | | 1 |
| 46 | A Generalized Neuro-Fuzzy Filter for Removing Different Types of Noise in Digital Images by A Single Operator. , 0, , . | | 1 |
| 47 | Adaptive neuro fuzzy supported Kalman filter approach for simultaneous localization and mapping. , 2011, , . | | 1 |
| 48 | Detection of local defects in fabrics using Gabor filter banks. , 0, , . | | 0 |
| 49 | A Type-2 Fuzzy Logic Operator for Impulse Noise Removal from Digital Images. , 2007, , . | | 0 |
| 50 | Parallel artificial bee colony algorithm for traveling salesman problem. , 2014, , . | | 0 |
| 51 | A type-2 fuzzy edge detector based speckle noise remover. , 2014, , . | | 0 |
| 52 | Improved Digital Image Enhancement Filters Based on Type-2 Neuro-Fuzzy Techniques. , 2013, , 3-20. | | 0 |
| 53 | Efficient Detection of Counterfeit Banknotes Using Adaptive Network Based Fuzzy Inference Systems. , 2021, , . | | 0 |