

Alper Basturk

List of Publications by Year in descending order

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53
papers

1,073
citations

430874
18
h-index

434195
31
g-index

53
all docs

53
docs citations

53
times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Unclonable Features via Electrospraying of Bulk Polymers. ACS Applied Polymer Materials, 2022, 4, 5952-5964.	4.4	14
3	Performance Improvement Of Pre-trained Convolutional Neural Networks For Action Recognition. Computer Journal, 2021, 64, 1715-1730.	2.4	9
4	Efficient Detection of Counterfeit Banknotes Using Adaptive Network Based Fuzzy Inference Systems. , 2021,, .		0
5	A comprehensive review of deep learning in colon cancer. Computers in Biology and Medicine, 2020, 126, 104003.	7.0	125
6	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
7	Metabolic Imaging Based Sub-Classification of Lung Cancer. IEEE Access, 2020, 8, 218470-218476.	4.2	19
8	Human action recognition with deep learning and structural optimization using a hybrid heuristic algorithm. Cluster Computing, 2020, 23, 2847-2860.	5.0	28
9	Transfer learning-based convolutional neural networks with heuristic optimization for hand gesture recognition. Neural Computing and Applications, 2019, 31, 8955-8970.	5.6	73
10	Static Image-Based Emotion Recognition Using Convolutional Neural Network. , 2019, , .		7
11	Application of Deep Neural Networks for Disease Diagnosis Through Medical Data Sets. Smart Innovation, Systems and Technologies, 2019, , 259-292.	0.6	2
12	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
13	Classification of high resolution hyperspectral remote sensing data using deep neural networks. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2273-2285.	1.4	21
14	Performance improvement of deep neural network classifiers by a simple training strategy. Engineering Applications of Artificial Intelligence, 2018, 67, 14-23.	8.1	40
15	Fingerprint recognition by deep neural networks and fingercodes. , 2018, , .		3
16	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
17	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
18	Parallel population-based algorithm portfolios: An empirical study. Neurocomputing, 2017, 247, 115-125.	5.9	16

#	ARTICLE	IF	CITATIONS
19	Deep neural network classifier for hand movement prediction. , 2017, , .		5
20	Deep neural network based diagnosis system for melanoma skin cancer. , 2017, , .		10
21	A Deep Neural Network Classifier for Decoding Human Brain Activity Based on Magnetoencephalography. Elektronika Ir Elektrotechnika, 2017, 23, .	0.8	22
22	The effect of autoencoders over reducing the dimensionality of a dermatology data set. , 2016, , .		2
23	Classification of human activity by using a Stacked Autoencoder. , 2016, , .		6
24	Accelerating Discrete Haar Wavelet Transform on GPU cluster. , 2015, , .		2
25	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
26	A novel fuzzy filter for speckle noise removal. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 1367-1381.	1.4	4
27	Parallel artificial bee colony algorithm for traveling salesman problem. , 2014, , .		0
28	A type-2 fuzzy edge detector based speckle noise remover. , 2014, , .		0
29	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
30	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
31	Performance analysis of the coarse-grained parallel model of the artificial bee colony algorithm. Information Sciences, 2013, 253, 34-55.	6.9	25
32	Improved Digital Image Enhancement Filters Based on Type-2 Neuro-Fuzzy Techniques. , 2013, , 3-20.		0
33	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
34	High Performance Fuzzy Systems for Real World Problems. Advances in Fuzzy Systems, 2012, 2012, 1-2.	0.9	2
35	Application of Type-2 Fuzzy Logic Filtering to Reduce Noise in Color Images. IEEE Computational Intelligence Magazine, 2012, 7, 25-35.	3.2	41
36	Adaptive neuro fuzzy supported Kalman filter approach for simultaneous localization and mapping. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
37	Comparison of LTE 800 MHz and LTE 2600 MHz frequency bands in terms of cell coverage. , 2011, , .		3
38	Rule based optimization of type-2 fuzzy inference system used at impulse noise removing. , 2011, , .		2
39	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
40	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
41	Clonal selection algorithm based cloning template learning for edge detection in digital images with CNN. , 2008, , .		2
42	Adaptive neuro-fuzzy inference system for speckle noise reduction in SAR images. , 2007, , .		2
43	A Type-2 Fuzzy Logic Operator for Impulse Noise Removal from Digital Images. , 2007, , .		0
44	Inspection of defects in fabrics using Gabor wavelets and principle component analysis. , 2007, , .		10
45	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
46	Efficient Distortion Reduction of Mixed Noise Filters by Neuro-fuzzy Processing. Lecture Notes in Computer Science, 2006, , 331-339.	1.3	2
47	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
48	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
49	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
50	Neuro-fuzzy soft switching hybrid filter for impulse noise removal from digital images. , 0, , .		1
51	Detection of local defects in fabrics using Gabor filter banks. , 0, , .		0
52	A Generalized Neuro-Fuzzy Filter for Removing Different Types of Noise in Digital Images by A Single Operator. , 0, , .		1
53	ERUSLR: yeni bir TÃ¼rkÃ§e iÃ§aret dili veri seti ve hiperparametre optimizasyonu destekli evriÃ§imli sinir aÃ§Ä± ile tanÄ±nmasÄ±. Journal of the Faculty of Engineering and Architecture of Gazi University, 0, , .	0.8	6