BogusÅ‚aw Cyganek

List of Publications by Year
in descending order

55	1,186	623734	454955
papers	citations	14 h-index	30 g-index

76	76	76	956
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast eyes detection in thermal images. Multimedia Tools and Applications, 2021, 80, 3601-3621.	3.9	11
2	An ensemble deep learning method with optimized weights for drone-based water rescue and surveillance. Integrated Computer-Aided Engineering, 2021, 28, 221-235.	4.6	36
3	An LSTM Network for Apnea and Hypopnea Episodes Detection in Respiratory Signals. Sensors, 2021, 21, 5858.	3.8	12
4	Overview of Tensor Methods for Multi-dimensional Signals Change Detection and Compression. Advances in Intelligent Systems and Computing, 2020, , 3-5.	0.6	0
5	Privacy Preserving Real-Time Video Stream Change Detection Based on the Orthogonal Tensor Decomposition Models. Lecture Notes in Business Information Processing, 2020, , 490-499.	1.0	1
6	Classification of Histopathological Images using Scale-Invariant Feature Transform. , 2020, , .		0
7	Speckle Noise Filtering in Side-Scan Sonar Images Based on the Tucker Tensor Decomposition. Sensors, 2019, 19, 2903.	3.8	14
8	Data stream classification using active learned neural networks. Neurocomputing, 2019, 353, 74-82.	5.9	24
9	Driverâ€™s fatigue recognition based on yawn detection in thermal images. Neurocomputing, 2019, 338, 274-292.	5.9	55
10	Thumbnail Tensorâ€"A Method for Multidimensional Data Streams Clustering with an Efficient Tensor Subspace Model in the Scale-Space. Sensors, 2019, 19, 4088.	3.8	5
11	How orthogonal are we? A note on fast and accurate inner product computation in the floating-point arithmetic. , 2019, , .		0
12	Comparison of Sparse Image Descriptors for Eyes Detection in Thermal Images. , 2019, , .		1
13	Visual front-end for underwater scene change detection and environment monitoring by the autonomous drone. , 2019, , .		0
14	Change Detection in Multidimensional Data Streams with Efficient Tensor Subspace Model. Lecture Notes in Computer Science, 2018, , 694-705.	1.3	5
15	Virtual High Dynamic Range Imaging for Underwater Drone Navigation. , 2018, , .		3
16	Real-time marine snow noise removal from underwater video sequences. Journal of Electronic Imaging, 2018, 27, 1.	0.9	16
17	A learning-based colour image segmentation with extended and compact structural tensor feature representation. Pattern Analysis and Applications, 2017, 20, 401-414.	4.6	5
18	Selecting locally specialised classifiers for one-class classification ensembles. Pattern Analysis and Applications, 2017, 20, 427-439.	4.6	15

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19	Tensor-Based Shot Boundary Detection in Video Streams. New Generation Computing, 2017, 35, 311-340.	3.3	20
20	Image recognition with deep neural networks in presence of noiseÂâ€“ Dealing with and taking advantage of distortions. Integrated Computer-Aided Engineering, 2017, 24, 337-349.	4.6	132
21	Robust median background subtraction for embedded vision platforms. , 2017, , .		1
22	Efficient Real-Time Background Detection Based on the PCA Subspace Decomposition. Lecture Notes in Computer Science, 2017, , 485-496.	1.3	1
23	Active Learning Classification of Drifted Streaming Data. Procedia Computer Science, 2016, 80, 1724-1733.	2.0	14
24	Efficient Computation of the Tensor Chordal Kernels. Procedia Computer Science, 2016, 80, 1702-1711.	2.0	2
25	Intelligent Methods Applied to Health-Care Information Systems. Applied Artificial Intelligence, 2016, 30, 495-496.	3.2	3
26	A Survey of Big Data Issues in Electronic Health Record Analysis. Applied Artificial Intelligence, 2016, 30, 497-520.	3.2	34
27	Real-time framework for tensor-based image enhancement for object classification. , 2016, , .		2
28	Learning Decision Trees from Data Streams with Concept Drift. Procedia Computer Science, 2016, 80, 1682-1691.	2.0	19
29	On Robust Computation of Tensor Classifiers Based on the Higher-Order Singular Value Decomposition. Advances in Intelligent Systems and Computing, 2016, , 193-201.	0.6	7
30	Ensemble of HOSVD Generated Tensor Subspace Classifiers with Optimal Tensor Flattening Directions. Lecture Notes in Computer Science, 2016, , 560-571.	1.3	1
31	An Improved Vehicle Logo Recognition Using a Classifier Ensemble Based on Pattern Tensor Representation and Decomposition. New Generation Computing, 2015, 33, 389-408.	3.3	6
32	Multidimensional data classification with chordal distance based kernel and Support Vector Machines. Engineering Applications of Artificial Intelligence, 2015, 46, 10-22.	8.1	30
33	Hybrid ensemble of classifiers for logo and trademark symbols recognition. Soft Computing, 2015, 19, 3413-3430.	3.6	10
34	Weighted One-Class Classifier Ensemble Based on Fuzzy Feature Space Partitioning. , 2014, , .		1
35	Hybrid computer vision system for drivers' eye recognition and fatigue monitoring. Neurocomputing, 2014, 126, 78-94.	5.9	111
36	Clustering-based ensembles for one-class classification. Information Sciences, 2014, 264, 182-195.	6.9	114

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37	Vehicle Logo Recognition with an Ensemble of Classifiers. Lecture Notes in Computer Science, 2014, , 117-126.	1.3	10
38	Object Recognition with the Higher-Order Singular Value Decomposition of the Multi-dimensional Prototype Tensors. Advances in Intelligent Systems and Computing, 2014, , 395-405.	0.6	5
39	Clustering-Based Ensemble of One-Class Classifiers for Hyperspectral Image Segmentation. Lecture Notes in Computer Science, 2014, , 678-688.	1.3	1
40	A framework for image analysis and object recognition in industrial applications with the ensemble of classifiers. , 2013, , .		2
41	One-Class Support Vector Ensembles for Image Segmentation and Classification. Journal of Mathematical Imaging and Vision, 2012, 42, 103-117.	1.3	75
42	Pixel-Based Object Detection and Tracking with Ensemble of Support Vector Machines and Extended Structural Tensor. Lecture Notes in Computer Science, 2012, , 104-113.	1.3	3
43	Computationally Efficient Methods of Approximations of the S-Shape Functions for Image Processing and Computer Graphics Tasks. Image Processing & Communications, 2011, 16, 19-28.	0.3	3
44	Adding parallelism to the hybrid image processing library in multi-threading and multi-core systems. , 2011, , .		7
45	Dental implant examination based on the log-polar matching of the maxillary radiograph images in the anisotropic scale space. , 2010, 2010, 3093-6.		2
46	Image Segmentation with a Hybrid Ensemble of One-Class Support Vector Machines. Lecture Notes in Computer Science, 2010, , 254-261.	1.3	13
47	Basics of Tensor Calculus for Image Processing. , 2009, , 391-401.		0
48	Distortions and Noise in Images. , 2009, , 403-408.		0
49	Scale-Space Vision. , 2009, , 165-192.		0
50	Framework for Object Tracking with Support Vector Machines, Structural Tensor and the Mean Shift Method. Lecture Notes in Computer Science, 2009, , 399-408.	1.3	4
51	COLOR IMAGE SEGMENTATION WITH SUPPORT VECTOR MACHINES: APPLICATIONS TO ROAD SIGNS DETECTION. International Journal of Neural Systems, 2008, 18, 339-345.	5.2	46
52	Circular road signs recognition with soft classifiers. Integrated Computer-Aided Engineering, 2007, 14, 323-343.	4.6	32
53	Road Signs Recognition by the Scale-Space Template Matching in the Log-Polar Domain. Lecture Notes in Computer Science, 2007, , 330-337.	1.3	15
54	Real-Time Detection of the Triangular and Rectangular Shape Road Signs. , 2007, , 744-755.		13

#	Article	IF	Citations
55	Comparison of Nonparametric Transformations and Bit Vector Matching for Stereo Correlation. Lecture Notes in Computer Science, 2004, , 534-547.	1.3	12