

BogusÅ,aw Cyganek

List of Publications by Year in descending order

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55
papers

1,186
citations

623734

14
h-index

454955

30
g-index

76
all docs

76
docs citations

76
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Image recognition with deep neural networks in presence of noise“ Dealing with and taking advantage of distortions. Integrated Computer-Aided Engineering, 2017, 24, 337-349.	4.6	132
2	Clustering-based ensembles for one-class classification. Information Sciences, 2014, 264, 182-195.	6.9	114
3	Hybrid computer vision system for drivers' eye recognition and fatigue monitoring. Neurocomputing, 2014, 126, 78-94.	5.9	111
4	One-Class Support Vector Ensembles for Image Segmentation and Classification. Journal of Mathematical Imaging and Vision, 2012, 42, 103-117.	1.3	75
5	Driver’s fatigue recognition based on yawn detection in thermal images. Neurocomputing, 2019, 338, 274-292.	5.9	55
6	COLOR IMAGE SEGMENTATION WITH SUPPORT VECTOR MACHINES: APPLICATIONS TO ROAD SIGNS DETECTION. International Journal of Neural Systems, 2008, 18, 339-345.	5.2	46
7	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
8	A Survey of Big Data Issues in Electronic Health Record Analysis. Applied Artificial Intelligence, 2016, 30, 497-520.	3.2	34
9	Circular road signs recognition with soft classifiers. Integrated Computer-Aided Engineering, 2007, 14, 323-343.	4.6	32
10	Multidimensional data classification with chordal distance based kernel and Support Vector Machines. Engineering Applications of Artificial Intelligence, 2015, 46, 10-22.	8.1	30
11	Data stream classification using active learned neural networks. Neurocomputing, 2019, 353, 74-82.	5.9	24
12	Tensor-Based Shot Boundary Detection in Video Streams. New Generation Computing, 2017, 35, 311-340.	3.3	20
13	Learning Decision Trees from Data Streams with Concept Drift. Procedia Computer Science, 2016, 80, 1682-1691.	2.0	19
14	Real-time marine snow noise removal from underwater video sequences. Journal of Electronic Imaging, 2018, 27, 1.	0.9	16
15	Selecting locally specialised classifiers for one-class classification ensembles. Pattern Analysis and Applications, 2017, 20, 427-439.	4.6	15
16	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
17	Active Learning Classification of Drifted Streaming Data. Procedia Computer Science, 2016, 80, 1724-1733.	2.0	14
18	Speckle Noise Filtering in Side-Scan Sonar Images Based on the Tucker Tensor Decomposition. Sensors, 2019, 19, 2903.	3.8	14

#	ARTICLE	IF	CITATIONS
19	Real-Time Detection of the Triangular and Rectangular Shape Road Signs. , 2007, , 744-755.		13
20	Image Segmentation with a Hybrid Ensemble of One-Class Support Vector Machines. Lecture Notes in Computer Science, 2010, , 254-261.	1.3	13
21	An LSTM Network for Apnea and Hypopnea Episodes Detection in Respiratory Signals. Sensors, 2021, 21, 5858.	3.8	12
22	Comparison of Nonparametric Transformations and Bit Vector Matching for Stereo Correlation. Lecture Notes in Computer Science, 2004, , 534-547.	1.3	12
23	Fast eyes detection in thermal images. Multimedia Tools and Applications, 2021, 80, 3601-3621.	3.9	11
24	Hybrid ensemble of classifiers for logo and trademark symbols recognition. Soft Computing, 2015, 19, 3413-3430.	3.6	10
25	Vehicle Logo Recognition with an Ensemble of Classifiers. Lecture Notes in Computer Science, 2014, , 117-126.	1.3	10
26	Adding parallelism to the hybrid image processing library in multi-threading and multi-core systems. , 2011, , .		7
27	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
28	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
29	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
30	Change Detection in Multidimensional Data Streams with Efficient Tensor Subspace Model. Lecture Notes in Computer Science, 2018, , 694-705.	1.3	5
31	Thumbnail Tensor – A Method for Multidimensional Data Streams Clustering with an Efficient Tensor Subspace Model in the Scale-Space. Sensors, 2019, 19, 4088.	3.8	5
32	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
33	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
34	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
35	Intelligent Methods Applied to Health-Care Information Systems. Applied Artificial Intelligence, 2016, 30, 495-496.	3.2	3
36	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

#	ARTICLE	IF	CITATIONS
37	Virtual High Dynamic Range Imaging for Underwater Drone Navigation. , 2018, , .		3
38	Dental implant examination based on the log-polar matching of the maxillary radiograph images in the anisotropic scale space. , 2010, 2010, 3093-6.		2
39	A framework for image analysis and object recognition in industrial applications with the ensemble of classifiers. , 2013, , .		2
40	Efficient Computation of the Tensor Chordal Kernels. Procedia Computer Science, 2016, 80, 1702-1711.	2.0	2
41	Real-time framework for tensor-based image enhancement for object classification. , 2016, , .		2
42	Weighted One-Class Classifier Ensemble Based on Fuzzy Feature Space Partitioning. , 2014, , .		1
43	Robust median background subtraction for embedded vision platforms. , 2017, , .		1
44	Efficient Real-Time Background Detection Based on the PCA Subspace Decomposition. Lecture Notes in Computer Science, 2017, , 485-496.	1.3	1
45	Clustering-Based Ensemble of One-Class Classifiers for Hyperspectral Image Segmentation. Lecture Notes in Computer Science, 2014, , 678-688.	1.3	1
46	Ensemble of HOSVD Generated Tensor Subspace Classifiers with Optimal Tensor Flattening Directions. Lecture Notes in Computer Science, 2016, , 560-571.	1.3	1
47	Comparison of Sparse Image Descriptors for Eyes Detection in Thermal Images. , 2019, , .		1
48	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
49	Basics of Tensor Calculus for Image Processing. , 2009, , 391-401.		0
50	Distortions and Noise in Images. , 2009, , 403-408.		0
51	Scale-Space Vision. , 2009, , 165-192.		0
52	How orthogonal are we? A note on fast and accurate inner product computation in the floating-point arithmetic. , 2019, , .		0
53	Visual front-end for underwater scene change detection and environment monitoring by the autonomous drone. , 2019, , .		0
54	Overview of Tensor Methods for Multi-dimensional Signals Change Detection and Compression. Advances in Intelligent Systems and Computing, 2020, , 3-5.	0.6	0

#	ARTICLE	IF	CITATIONS
55	Classification of Histopathological Images using Scale-Invariant Feature Transform. , 2020, , .		0