LuÃ-s A Alexandre

List of Publications by Year
in descending order

63	2,295	489802 18	274796 44
papers	citations	h-index	g-index

74	74	74	1780
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal Algorithm Allocation for Single Robot Cloud Systems. IEEE Transactions on Cloud Computing, 2023, 11, 324-335.	3.1	7
2	Facial Emotion Recognition forÂSentiment Analysis ofÂSocial Media Data. Lecture Notes in Computer Science, 2022, , 207-217.	1.0	0
3	Optimal algorithm allocation for robotic network cloud systems. Robotics and Autonomous Systems, 2022, 154, 104144.	3.0	5
4	An AutoML-based Approach to Multimodal Image Sentiment Analysis. , 2021, , .		13
5	Understanding trained CNNs by indexing neuron selectivity. Pattern Recognition Letters, 2020, 136, 318-325.	2.6	17
6	Lesion classification in mammograms using convolutional neural networks and transfer learning. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 550-556.	1.3	12
7	A Multimodal Approach to Image Sentiment Analysis. Lecture Notes in Computer Science, 2019, , 302-309.	1.0	13
8	SeNA-CNN: Overcoming Catastrophic Forgetting in Convolutional Neural Networks by Selective Network Augmentation. Lecture Notes in Computer Science, 2018, , 102-112.	1.0	3
9	Distributed Learning of CNNs on Heterogeneous CPU/GPU Architectures. Applied Artificial Intelligence, 2018, 32, 822-844.	2.0	5
10	Improving SeNA-CNN by Automating Task Recognition. Lecture Notes in Computer Science, 2018, , 711-721.	1.0	0
11	Stacked Autoencoders Using Low-Power Accelerated Architectures for Object Recognition in Autonomous Systems. Neural Processing Letters, 2016, 43, 445-458.	2.0	32
12	High-Content Analysis of Breast Cancer Using Single-Cell Deep Transfer Learning. Journal of Biomolecular Screening, 2016, 21, 252-259.	2.6	71
13	3D Object Recognition Using Convolutional Neural Networks with Transfer Learning Between Input Channels. Advances in Intelligent Systems and Computing, 2016, , 889-898.	0.5	43
14	BIK-BUS: Biologically Motivated 3D Keypoint Based on Bottom-Up Saliency. IEEE Transactions on Image Processing, 2015, 24, 163-175.	6.0	21
15	Transfer Learning for the Recognition of Immunogold Particles in TEM Imaging. Lecture Notes in Computer Science, 2015, , 374-384.	1.0	5
16	3D Computer Vision: From Points to Concepts. Lecture Notes in Computer Science, 2015, , 3-14.	1.0	0
17	Improving Deep Neural Network Performance by Reusing Features Trained with Transductive Transference. Lecture Notes in Computer Science, 2014, , 265-272.	1.0	33
18	PFBIK-tracking: Particle filter with bio-inspired keypoints tracking. , 2014, , .		1

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19	Improving transfer learning accuracy by reusing Stacked Denoising Autoencoders. , 2014, , .		24
20	Algorithms for invariant long-wave infrared face segmentation: evaluation and comparison. Pattern Analysis and Applications, 2014, 17, 823-837.	3.1	10
21	Improving Performance on Problems with Few Labelled Data by Reusing Stacked Auto-Encoders. , 2014, , .		5
22	Transfer Learning Using Rotated Image Data to Improve Deep Neural Network Performance. Lecture Notes in Computer Science, 2014, , 290-300.	1.0	10
23	Weighted Convolutional Neural Network Ensemble. Lecture Notes in Computer Science, 2014, , 674-681.	1.0	24
24	A Biological Motivated Multi-scale Keypoint Detector for local 3D Descriptors. Lecture Notes in Computer Science, 2014, , 218-227.	1.0	0
25	Iris surface deformation and normalization. , 2013, , .		12
26	Using Different Cost Functions to Train Stacked Auto-Encoders. , 2013, , .		20
27	Minimum Error Entropy Classification. Studies in Computational Intelligence, 2013, , .	0.7	17
28	Toward Covert Iris Biometric Recognition: Experimental Results From the NICE Contests. IEEE Transactions on Information Forensics and Security, 2012, 7, 798-808.	4.5	83
29	Iris recognition: Analysis of the error rates regarding the accuracy of the segmentation stage. Image and Vision Computing, 2010, 28, 202-206.	2.7	78
30	Gender recognition: A multiscale decision fusion approach. Pattern Recognition Letters, 2010, 31, 1422-1427.	2.6	122
31	Introduction to the Special Issue on the Segmentation of Visible Wavelength Iris Images Captured At-a-distance and On-the-move. Image and Vision Computing, 2010, 28, 213-214.	2.7	22
32	The MEE Principle in Data Classification: A Perceptron-Based Analysis. Neural Computation, 2010, 22, 2698-2728.	1.3	15
33	The UBIRIS.v2: A Database of Visible Wavelength Iris Images Captured On-the-Move and At-a-Distance. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1529-1535.	9.7	400
34	Motion Based Particle Filter for Human Tracking with Thermal Imaging. , 2010, , .		8
35	Wigner distribution based motion tracking of human beings using thermal Imaging. , 2010, , .		8
36	Benchmarking reservoir computing on time-independent classification tasks. , 2009, , .		12

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37	Improving spectroface using pre-processing and voting. , 2009, , .		0
38	Reservoir Size, Spectral Radius and Connectivity in Static Classification Problems. Lecture Notes in Computer Science, 2009, , 1015-1024.	1.0	3
39	Decision Trees Using the Minimum Entropy-of-Error Principle. Lecture Notes in Computer Science, 2009, , 799-807.	1.0	3
40	Data classification with multilayer perceptrons using a generalized error function. Neural Networks, 2008, 21, 1302-1310.	3.3	40
41	LEGClustâ€"A Clustering Algorithm Based on Layered Entropic Subgraphs. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 62-75.	9.7	15
42	Color and Position versus Texture Features for Endoscopic Polyp Detection. , 2008, , .		63
43	Text Pre-processing for Lossless Compression. Proceedings of the Data Compression Conference, 2008, , .	0.0	3
44	Maximizing the Zero-Error Density for RTRL. , 2008, , .		0
45	Iris Recognition: A Method to Increase the Robustness to Noisy Imaging Environments through the Selection of the Higher Discriminating Features. , 2007, , .		1
46	Toward Noncooperative Iris Recognition: A Classification Approach Using Multiple Signatures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 607-612.	9.7	167
47	The NICE.I: Noisy Iris Challenge Evaluation - Part I. , 2007, , .		56
48	Polyp Detection in Endoscopic Video Using SVMs. Lecture Notes in Computer Science, 2007, , 358-365.	1.0	33
49	Iris Recognition: An Entropy-Based Coding Strategy Robust to Noisy Imaging Environments. , 2007, , 621-632.		5
50	Iris Recognition: Measuring Feature's Quality for the Feature Selection in Unconstrained Image Capture Environments. , 2006, , .		7
51	A method for the identification of inaccuracies in pupil segmentation. , 2006, , .		7
52	A Method for the Identification of Noisy Regions in Normalized Iris Images. , 2006, , .		28
53	Iris Recognition: An Analysis of the Aliasing Problem in the Iris Normalization Stage. , 2006, , .		20
54	Iris segmentation methodology for non-cooperative recognition. IET Computer Vision, 2006, 153, 199.	1.3	174

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55	Modular Neural Network Task Decomposition Via Entropic Clustering. , 2006, , .		15
56	New developments of the Z-EDM algorithm. , 2006, , .		3
57	Error Entropy in Classification Problems: A Univariate Data Analysis. Neural Computation, 2006, 18, 2036-2061.	1.3	19
58	Error Entropy Minimization for LSTM Training. Lecture Notes in Computer Science, 2006, , 244-253.	1.0	6
59	A Multiclassifier Approach for Lung Nodule Classification. Lecture Notes in Computer Science, 2006, , 612-623.	1.0	7
60	Neural Network Classification: Maximizing Zero-Error Density. Lecture Notes in Computer Science, 2005, , 127-135.	1.0	7
61	Bounds for the Average Generalization Error of the Mixture of Experts Neural Network. Lecture Notes in Computer Science, 2004, , 618-625.	1.0	2
62	A Probabilistic Model for the Cooperative Modular Neural Network. Lecture Notes in Computer Science, 2003, , 11-18.	1.0	1
63	On combining classifiers using sum and product rules. Pattern Recognition Letters, 2001, 22, 1283-1289.	2.6	99