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List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,919
citations

361413

20
h-index

189892

50
g-index

82
all docs

82
docs citations

82
times ranked

2409
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Model Compression and Architecture Optimization for Embedded Systems: A Survey. Journal of Signal Processing Systems, 2021, 93, 863-878.	2.1	32
2	Learning Sparse Filters in Deep Convolutional Neural Networks with a $\ \cdot \ _2$ Pseudo-Norm. Lecture Notes in Computer Science, 2021, , 662-676.	1.3	4
3	Similarity Metric Learning. , 2021, , 103-125.		1
4	RADON: Robust Autoencoder for Unsupervised Anomaly Detection. , 2021, , .		3
5	Low-Complexity Approximate Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5981-5992.	11.3	32
6	Handling noise in textual image resolution enhancement using online and offline learned dictionaries. International Journal on Document Analysis and Recognition, 2018, 21, 137-157.	3.4	8
7	Class-balanced siamese neural networks. Neurocomputing, 2018, 273, 47-56.	5.9	22
8	Fast Pixelwise Adaptive Visual Tracking of Non-Rigid Objects. IEEE Transactions on Image Processing, 2017, 26, 2368-2380.	9.8	11
9	Contribution of recurrent connectionist language models in improving LSTM-based Arabic text recognition in videos. Pattern Recognition, 2017, 64, 245-254.	8.1	46
10	Visual Focus of Attention Estimation With Unsupervised Incremental Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 2264-2272.	8.3	17
11	Siamese multi-layer perceptrons for dimensionality reduction and face identification. Multimedia Tools and Applications, 2016, 75, 5055-5073.	3.9	36
12	Resolution enhancement of textual images: a survey of single image-based methods. IET Image Processing, 2016, 10, 325-337.	2.5	14
13	Polar Sine Based Siamese Neural Network for Gesture Recognition. Lecture Notes in Computer Science, 2016, , 406-414.	1.3	1
14	Joint denoising and magnification of noisy Low-Resolution textual images. , 2015, , .		3
15	ICDAR2015 competition on Text Image Super-Resolution. , 2015, , .		29
16	Resolution enhancement of textual images via multiple coupled dictionaries and adaptive sparse representation selection. International Journal on Document Analysis and Recognition, 2015, 18, 87-107.	3.4	21
17	Inertial Gesture Recognition with BLSTM-RNN. Springer Series in Bio-/neuroinformatics, 2015, , 393-410.	0.1	17
18	The Visual Object Tracking VOT2014 Challenge Results. Lecture Notes in Computer Science, 2015, , 191-217.	1.3	136

#	ARTICLE	IF	CITATIONS
19	A Sparse Coding Based Approach for the Resolution Enhancement and Restoration of Printed and Handwritten Textual Images. , 2014, , .		4
20	A Coarse-to-Fine Word Spotting Approach for Historical Handwritten Documents Based on Graph Embedding and Graph Edit Distance. , 2014, , .		14
21	Sparse Coding with a Coupled Dictionary Learning Approach for Textual Image Super-resolution. , 2014, , .		8
22	Arabic text detection in videos using neural and boosting-based approaches: Application to video indexing. , 2014, , .		11
23	Improving texture categorization with biologically-inspired filtering. Image and Vision Computing, 2014, 32, 424-436.	4.5	20
24	Evaluation of video activity localizations integrating quality and quantity measurements. Computer Vision and Image Understanding, 2014, 127, 14-30.	4.7	54
25	Text recognition in multimedia documents: a study of two neural-based OCRs using and avoiding character segmentation. International Journal on Document Analysis and Recognition, 2014, 17, 19-31.	3.4	14
26	Convolutional Bottleneck Network with Dropout for Dysarthric Speech Recognition. Transactions on Machine Learning and Artificial Intelligence, 2014, 2, 48-62.	0.3	6
27	A Dictionary-Learning Sparse Representation framework for pose classification. , 2013, , .		2
28	Single Textual Image Super-Resolution Using Multiple Learned Dictionaries Based Sparse Coding. Lecture Notes in Computer Science, 2013, , 439-448.	1.3	7
29	Multiple Learned Dictionaries Based Clustered Sparse Coding for the Super-Resolution of Single Text Image. , 2013, , .		16
30	Exploring Interest Points and Local Descriptors for Word Spotting Application on Historical Handwriting Images. Lecture Notes in Computer Science, 2013, , 408-415.	1.3	0
31	Unsupervised online learning of visual focus of attention. , 2013, , .		4
32	Learning a bag of features based nonlinear metric for facial similarity. , 2013, , .		5
33	A Comprehensive Representation Model for Handwriting Dedicated to Word Spotting. , 2013, , .		5
34	PixelTrack: A Fast Adaptive Algorithm for Tracking Non-rigid Objects. , 2013, , .		90
35	BLSTM-RNN Based 3D Gesture Classification. Lecture Notes in Computer Science, 2013, , 381-388.	1.3	45
36	Incremental Principal Component Analysis-Based Sparse Representation for Face Pose Classification. Lecture Notes in Computer Science, 2013, , 620-631.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Supervised Learning and Codebook Optimization for Bag-of-Words Models. Cognitive Computation, 2012, 4, 409-419.	5.2	32
38	Combining Multi-scale Character Recognition and Linguistic Knowledge for Natural Scene Text OCR. , 2012, , .		20
39	Text Recognition in Videos Using a Recurrent Connectionist Approach. Lecture Notes in Computer Science, 2012, , 172-179.	1.3	6
40	Simplifying ConvNets for Fast Learning. Lecture Notes in Computer Science, 2012, , 58-65.	1.3	73
41	Spatio-Temporal Convolutional Sparse Auto-Encoder for Sequence Classification. , 2012, , .		48
42	Kernel Similarity Based AAMs for Face Recognition. Lecture Notes in Computer Science, 2012, , 395-406.	1.3	1
43	Sequential Deep Learning for Human Action Recognition. Lecture Notes in Computer Science, 2011, , 29-39.	1.3	447
44	A comprehensive neural-based approach for text recognition in videos using natural language processing. , 2011, , .		10
45	Embedded facial image processing with Convolutional Neural Networks. , 2010, , .		9
46	Action Classification in Soccer Videos with Long Short-Term Memory Recurrent Neural Networks. Lecture Notes in Computer Science, 2010, , 154-159.	1.3	59
47	Adapted Active Appearance Models. Eurasip Journal on Image and Video Processing, 2009, 2009, 1-14.	2.6	2
48	The image Text Recognition Graph (iTRG). , 2009, , .		10
49	Robust detection of outliers for projection-based face recognition methods. Multimedia Tools and Applications, 2008, 38, 271-291.	3.9	6
50	A probabilistic Self-Organizing Map for facial recognition. , 2008, , .		8
51	An Automatic Method for Video Character Segmentation. Lecture Notes in Computer Science, 2008, , 557-566.	1.3	7
52	Facial Image Processing. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-2.	2.6	3
53	Real-Time Video Convolutional Face Finder on Embedded Platforms. Eurasip Journal on Embedded Systems, 2007, 2007, 1-8.	1.2	6
54	An Embedded Robust Facial Feature Detector. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	2

#	ARTICLE	IF	CITATIONS
55	Facial biometry by stimulating salient singularity masks. , 2007, , .		1
56	An Online Backpropagation Algorithm with Validation Error-Based Adaptive Learning Rate. Lecture Notes in Computer Science, 2007, , 249-258.	1.3	19
57	Real-Time Video Convolutional Face Finder on Embedded Platforms. Eurasip Journal on Embedded Systems, 2007, 2007, 021724.	1.2	6
58	Facial Image Processing. Eurasip Journal on Image and Video Processing, 2007, 2007, 070872.	2.6	12
59	Facial Image Processing with Convolutional Neural Networks. Advances in Pattern Recognition, 2007, , 97-108.	0.8	2
60	Embedded Convolutional Face Finder. , 2006, , .		4
61	WaveRead: Automatic measurement of relative gene expression levels from microarrays using wavelet analysis. Journal of Biomedical Informatics, 2006, 39, 379-388.	4.3	7
62	Modeling Gaze Behavior for a 3D ECA in a Dialogue Situation. Lecture Notes in Computer Science, 2006, , 252-255.	1.3	1
63	The 2005 PASCAL Visual Object Classes Challenge. Lecture Notes in Computer Science, 2006, , 117-176.	1.3	125
64	A Neural Scheme for Robust Detection of Transparent Logos in TV Programs. Lecture Notes in Computer Science, 2006, , 14-23.	1.3	10
65	Industry and Object Recognition: Applications, Applied Research and Challenges. Lecture Notes in Computer Science, 2006, , 49-64.	1.3	17
66	On the impact of outliers on high-dimensional data analysis methods for face recognition. , 2005, , .		4
67	Online face detection and user authentication. , 2005, , .		10
68	Comparing Robustness of Two-Dimensional PCA and Eigenfaces for Face Recognition. Lecture Notes in Computer Science, 2004, , 717-724.	1.3	15
69	Convolutional face finder: a neural architecture for fast and robust face detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 1408-1423.	13.9	431
70	Bayesian Level Sets for Image Segmentation. Journal of Visual Communication and Image Representation, 2002, 13, 44-64.	2.8	47
71	Optimal projection of 2-D displacements for 3-D translational motion estimation. Image and Vision Computing, 2002, 20, 793-804.	4.5	6
72	Wavelet packet analysis for face recognition. Image and Vision Computing, 2000, 18, 289-297.	4.5	121

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73	Novel cryptand analogs incorporating a chiral spiran moiety. Tetrahedron Letters, 1999, 40, 4993-4996.	1.4	9
74	Chiral recognition properties of spiroacetal polyethers using electrospray ionisation mass spectrometry. Tetrahedron Letters, 1999, 40, 4997-5000.	1.4	29
75	Fully Vision-based Calibration of a Hand-Eye Robot. Autonomous Robots, 1999, 6, 223-238.	4.8	4
76	Pose Estimation using Point and Line Correspondences. Real Time Imaging, 1999, 5, 215-230.	1.6	51
77	Face detection using quantized skin color regions merging and wavelet packet analysis. IEEE Transactions on Multimedia, 1999, 1, 264-277.	7.2	474
78	Chiral macrocyclic polyethers incorporating a tetraoxaspiro[5.5]undecane or trioxa-azaspiro[5.5]undecane moiety. Tetrahedron: Asymmetry, 1998, 9, 4253-4265.	1.8	7
79	Virtual meeting in cyberstage. , 1998, , .		7
80	Meet.Me@Cyberstage: towards Immersive Telepresence. Eurographics, 1998, , 90-102.	0.4	0
81	<title>Robust camera calibration using 2D-to-3D feature correspondences</title>. , 1997, , .		10