

Massimo Piccardi

List of Publications by Year in descending order

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116
papers

4,490
citations

623188

14
h-index

189595

50
g-index

122
all docs

122
docs citations

122
times ranked

3382
citing authors

#	ARTICLE	IF	CITATIONS
1	Regressing Word and Sentence Embeddings for Low-Resource Neural Machine Translation. IEEE Transactions on Artificial Intelligence, 2023, 4, 450-463.	3.4	2
2	BiLSTM-SSVM: Training the BiLSTM with a Structured Hinge Loss for Named-Entity Recognition. IEEE Transactions on Big Data, 2022, 8, 203-212.	4.4	10
3	Neural Topic Model Training with the REBAR Gradient Estimator. ACM Transactions on Asian and Low-Resource Language Information Processing, 2022, 21, 1-18.	1.3	0
4	Multichannel mixture models for time-series analysis and classification of engagement with multiple health services: An application to psychology and physiotherapy utilization patterns after traffic accidents. Artificial Intelligence in Medicine, 2021, 111, 101997.	3.8	3
5	Learning Neural Textual Representations for Citation Recommendation. , 2021, , .		1
6	Topic-Document Inference With the Gumbel-Softmax Distribution. IEEE Access, 2021, 9, 1313-1320.	2.6	2
7	BERTTune: Fine-Tuning Neural Machine Translation with BERTScore. , 2021, , .		2
8	RewardsOfSum: Exploring Reinforcement Learning Rewards for Summarisation. , 2021, , .		0
9	An Embedding-Based Topic Model for Document Classification. ACM Transactions on Asian and Low-Resource Language Information Processing, 2021, 20, 1-13.	1.3	8
10	Machine learning applications to neuroimaging for glioma detection and classification: An artificial intelligence augmented systematic review. Journal of Clinical Neuroscience, 2021, 89, 177-198.	0.8	49
11	NeuSub: A Neural Submodular Approach for Citation Recommendation. IEEE Access, 2021, 9, 148459-148468.	2.6	2
12	Ethical thinking machines in surgery and the requirement for clinical leadership. American Journal of Surgery, 2020, 220, 1372-1374.	0.9	11
13	A simulated annealing-based maximum-margin clustering algorithm. Computational Intelligence, 2019, 35, 23-41.	2.1	10
14	The use of privacy-protected computer vision to measure the quality of healthcare worker hand hygiene. International Journal for Quality in Health Care, 2019, 31, 36-42.	0.9	13
15	Well-M ³ N: A Maximum-Margin Approach to Unsupervised Structured Prediction. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 427-439.	3.4	0
16	Title is missing!. , 2019, , .		3
17	Taxonomy-Augmented Features for Document Clustering. Communications in Computer and Information Science, 2019, , 241-252.	0.4	1
18	Sequential Labeling With Structural SVM Under Nondecomposable Losses. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4177-4188.	7.2	6

#	ARTICLE	IF	CITATIONS
19	Minimum-risk temporal alignment of videos. <i>Multimedia Tools and Applications</i> , 2018, 77, 14891-14906.	2.6	0
20	Analysis of healthcare service utilization after transport-related injuries by a mixture of hidden Markov models. <i>PLoS ONE</i> , 2018, 13, e0206274.	1.1	9
21	AdOn HDP-HMM: An Adaptive Online Model for Segmentation and Classification of Sequential Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 3953-3968.	7.2	18
22	A Semi-supervised Hidden Markov Topic Model Based on Prior Knowledge. <i>Communications in Computer and Information Science</i> , 2018, , 265-276.	0.4	0
23	A Shared Attention Mechanism for Interpretation of Neural Automatic Post-Editing Systems. , 2018, , .		5
24	V-JAUNE. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2017, 13, 1-19.	3.0	16
25	Prototype-based budget maintenance for tracking in depth videos. <i>Multimedia Tools and Applications</i> , 2017, 76, 21117-21132.	2.6	4
26	Recurrent neural networks with specialized word embeddings for health-domain named-entity recognition. <i>Journal of Biomedical Informatics</i> , 2017, 76, 102-109.	2.5	101
27	Dissimilarity-based action recognition with the pair hidden Markov support vector machine. , 2017, , .		0
28	Minimum-Risk Structured Learning of Video Summarization. , 2017, , .		3
29	Local depth patterns for fine-grained activity recognition in depth videos. , 2016, , .		2
30	A pair hidden Markov support vector machine for alignment of human actions. , 2016, , .		2
31	Joint action recognition and summarization by sub-modular inference. , 2016, , .		3
32	Static action recognition by efficient greedy inference. , 2016, , .		1
33	An Investigation of Recurrent Neural Architectures for Drug Name Recognition. , 2016, , .		25
34	Sequential Labeling with Structural SVM Under an Average Precision Loss. <i>Lecture Notes in Computer Science</i> , 2016, , 344-354.	1.0	2
35	Inertial Sensor based Post Fall Analysis for False Alarming Reduction. , 2016, , .		0
36	Structural SVM with Partial Ranking for Activity Segmentation and Classification. <i>IEEE Signal Processing Letters</i> , 2015, 22, 2344-2348.	2.1	10

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37	Tracking people under heavy occlusions by layered data association. Multimedia Tools and Applications, 2015, 74, 7239-7259.	2.6	2
38	Local Depth Patterns for Tracking in Depth Videos. , 2015, , .		13
39	An Infinite Adaptive Online Learning Model for Segmentation and Classification of Streaming Data. , 2014, , .		5
40	Complex event recognition by latent temporal models of concepts. , 2014, , .		3
41	Special issue on background modeling for foreground detection in real-world dynamic scenes. Machine Vision and Applications, 2014, 25, 1101-1103.	1.7	14
42	Training Initialization of Hidden Markov Models in Human Action Recognition. IEEE Transactions on Automation Science and Engineering, 2014, 11, 394-408.	3.4	33
43	Sequential labeling with structural SVM under the $F_{1</math>$ loss. , 2014, , .		1
44	Joint Action Segmentation and Classification by an Extended Hidden Markov Model. IEEE Signal Processing Letters, 2013, 20, 1207-1210.	2.1	20
45	Discriminative prototype selection methods for graph embedding. Pattern Recognition, 2013, 46, 1648-1657.	5.1	42
46	Towards simultaneous place classification and object detection based on conditional random field with multiple cues. , 2013, , .		0
47	An online HDP-HMM for joint action segmentation and classification in motion capture data. , 2012, , .		14
48	Human Action Recognition in Video by Fusion of Structural and Spatio-temporal Features. Lecture Notes in Computer Science, 2012, , 474-482.	1.0	1
49	HMM-MIO: An enhanced hidden Markov model for action recognition. , 2011, , .		8
50	A discriminative prototype selection approach for graph embedding in human action recognition. , 2011, , .		11
51	MLiT: mixtures of Gaussians under linear transformations. Pattern Analysis and Applications, 2011, 14, 193-205.	3.1	2
52	Robust density modelling using the student's t-distribution for human action recognition. , 2011, , .		4
53	System-Wide Tracking of Individuals. Studies in Computational Intelligence, 2011, , 83-103.	0.7	0
54	Automatic Human Action Recognition in Videos by Graph Embedding. Lecture Notes in Computer Science, 2011, , 19-28.	1.0	4

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55	Histogram-Based Training Initialisation of Hidden Markov Models for Human Action Recognition. , 2010, , .		5
56	Human action recognition with MPEG-7 descriptors and architectures. , 2010, , .		4
57	Compressive Sensing of Time Series for Human Action Recognition. , 2010, , .		3
58	Robust Dimensionality Reduction for Human Action Recognition. , 2010, , .		6
59	An efficient Bayesian framework for on-line action recognition. , 2009, , .		11
60	Deterministic Initialization of Hidden Markov Models for Human Action Recognition. , 2009, , .		5
61	Automatic Temporal Segment Detection and Affect Recognition From Face and Body Display. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 64-84.	5.5	159
62	Head detection for video surveillance based on categorical hair and skin colour models. , 2009, , .		18
63	Mixtures of Normalized Linear Projections. Lecture Notes in Computer Science, 2009, , 66-76.	1.0	0
64	A hardware generator of multi-point distributed random numbers for Monte Carlo simulation. Mathematics and Computers in Simulation, 2008, 77, 45-56.	2.4	5
65	Feature extraction techniques for abandoned object classification in video surveillance. , 2008, , .		16
66	An accurate algorithm for head detection based on XYZ and HSV hair and skin color models. , 2008, , .		10
67	Tracking People in Crowds by a Part Matching Approach. , 2008, , .		14
68	Maximum-likelihood dimensionality reduction in gaussian mixture models with an application to object classification. , 2008, , .		2
69	Automatic Classification of Abandoned Objects for Surveillance of Public Premises. , 2008, , .		3
70	Comparative performance analysis of feature sets for abandoned object classification. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	2
71	Comparison of Classifiers for Human Activity Recognition. Lecture Notes in Computer Science, 2007, , 192-201.	1.0	6
72	A framework for track matching across disjoint cameras using robust shape and appearance features. , 2007, , .		12

#	ARTICLE	IF	CITATIONS
73	Hidden Markov Models with Kernel Density Estimation of Emission Probabilities and their Use in Activity Recognition. , 2007, , .		19
74	Detecting Major Segmentation Errors for a Tracked Person Using Colour Feature Analysis. , 2007, , .		3
75	Bi-modal emotion recognition from expressive face and body gestures. Journal of Network and Computer Applications, 2007, 30, 1334-1345.	5.8	293
76	Tracking people across disjoint camera views by an illumination-tolerant appearance representation. Machine Vision and Applications, 2007, 18, 233-247.	1.7	154
77	Comparison Between Genetic Algorithms and the Baum-Welch Algorithm in Learning HMMs for Human Activity Classification. , 2007, , 399-406.		13
78	A Bimodal Face and Body Gesture Database for Automatic Analysis of Human Nonverbal Affective Behavior. , 2006, , .		127
79	Assessing facial beauty through proportion analysis by image processing and supervised learning. International Journal of Human Computer Studies, 2006, 64, 1184-1199.	3.7	86
80	Video Surveillance at the Beginning of the Third Millennium: The Viewpoint of Research, Industry, Government Bodies, Research Funding Agencies and the Community. , 2006, , .		0
81	Matching of Objects Moving Across Disjoint Cameras. , 2006, , .		25
82	Creating and Annotating Affect Databases from Face and Body Display: A Contemporary Survey. , 2006, , .		11
83	Mitigating the Effects of Variable Illumination for Tracking across Disjoint Camera Views. , 2006, , .		4
84	Fusing Face and Body Display for Bi-modal Emotion Recognition: Single Frame Analysis and Multi-frame Post Integration. Lecture Notes in Computer Science, 2005, , 102-111.	1.0	20
85	An FPGA generator for multipoint distributed random variables (abstract only). , 2005, , .		0
86	Neighbor Cache Prefetching for Multimedia Image and Video Processing. IEEE Transactions on Multimedia, 2004, 6, 539-552.	5.2	10
87	Automated classification of female facial beauty by image analysis and supervised learning. , 2004, , .		4
88	Improving Data Prefetching Efficacy in Multimedia Applications. Multimedia Tools and Applications, 2003, 20, 159-178.	2.6	7
89	Detecting moving objects, ghosts, and shadows in video streams. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1337-1342.	9.7	1,149
90	Neural network classifiers for automated video surveillance. , 2003, , .		4

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91	An application of machine learning and statistics to defect detection. Intelligent Data Analysis, 2001, 5, 151-164.	0.4	3
92	From eager to lazy constrained data acquisition: A general framework. New Generation Computing, 2001, 19, 339-367.	2.5	5
93	Computational models for image processing for shared-memory multiprocessors. Integrated Computer-Aided Engineering, 2000, 7, 39-52.	2.5	0
94	Image analysis and rule-based reasoning for a traffic monitoring system. IEEE Transactions on Intelligent Transportation Systems, 2000, 1, 119-130.	4.7	303
95	Eliciting visual primitives for detection of elongated shapes. Image and Vision Computing, 1999, 17, 347-355.	2.7	3
96	A real-time hardware implementation of the hough transform. Journal of Systems Architecture, 1998, 45, 31-45.	2.5	10
97	Exploiting symbolic learning in visual inspection. Lecture Notes in Computer Science, 1997, , 223-234.	1.0	2
98	The GIOTTO System: a Parallel Computer for Image Processing. Real Time Imaging, 1997, 3, 343-353.	1.6	4
99	Learning for feature selection and shape detection. Lecture Notes in Computer Science, 1997, , 535-542.	1.0	0
100	Detection of Circular Objects by Wave Propagation on a Mesh-Connected Computer. Journal of Parallel and Distributed Computing, 1995, 31, 77-87.	2.7	4
101	Detection of luminosity profiles of elongated shapes. , 0, , .		0
102	Block processing on multiprocessor DSPs for multimedia applications. , 0, , .		3
103	Exploiting image processing locality in cache pre-fetching. , 0, , .		9
104	Exploiting cache in multimedia. , 0, , .		15
105	Real-time detection of moving vehicles. , 0, , .		20
106	3D object recognition by VC-graphs and interactive constraint satisfaction. , 0, , .		2
107	Hardware prefetching techniques for cache memories in multimedia applications. , 0, , .		3
108	Detecting objects, shadows and ghosts in video streams by exploiting color and motion information. , 0, , .		73

#	ARTICLE	IF	CITATIONS
109	Efficient video object classifier using locality-enhanced support vector machines. , 0, , .		2
110	Background subtraction techniques: a review. , 0, , .		1,186
111	Comparative beauty classification for pre-surgery planning. , 0, , .		4
112	Automatic Visual Recognition of Face and Body Action Units. , 0, , .		5
113	A Hardware Generator for Multi-point Distributed Random Variables. , 0, , .		1
114	Affect Recognition from Face and Body: Early Fusion vs. Late Fusion. , 0, , .		87
115	Multi-Frame Moving Object Track Matching Based on an Incremental Major Color Spectrum Histogram Matching Algorithm. , 0, , .		22
116	Human-Focused Computer Vision Applications. , 0, , .		0