

Vittorio Murino

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

4,456
citations

32
h-index

59
g-index

271
ext. papers

5,561
ext. citations

3.9
avg, IF

5.86
L-index

#	Paper	IF	Citations
246	Custom Pictorial Structures for Re-identification 2011 ,		345
245	The grapevine expression atlas reveals a deep transcriptome shift driving the entire plant into a maturation program. <i>Plant Cell</i> , 2012 , 24, 3489-505	11.6	252
244	Symmetry-driven accumulation of local features for human characterization and re-identification. <i>Computer Vision and Image Understanding</i> , 2013 , 117, 130-144	4.3	216
243	Multiple-shot person re-identification by chromatic and epitomic analyses. <i>Pattern Recognition Letters</i> , 2012 , 33, 898-903	4.7	163
242	Chronic and acute intranasal oxytocin produce divergent social effects in mice. <i>Neuropsychopharmacology</i> , 2014 , 39, 1102-14	8.7	138
241	Human behavior analysis in video surveillance: A Social Signal Processing perspective. <i>Neurocomputing</i> , 2013 , 100, 86-97	5.4	114
240	Background Subtraction for Automated Multisensor Surveillance: A Comprehensive Review. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010 , 2010,	1.9	114
239	Characterizing humans on Riemannian manifolds. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 1972-84	13.3	111
238	Social interaction discovery by statistical analysis of F-formations 2011 ,		98
237	Multiple-Shot Person Re-identification by HPE Signature 2010 ,		92
236	Audio Surveillance. <i>ACM Computing Surveys</i> , 2016 , 48, 1-46	13.4	90
235	Re-identification with RGB-D Sensors. <i>Lecture Notes in Computer Science</i> , 2012 , 433-442	0.9	83
234	Adversarial Feature Augmentation for Unsupervised Domain Adaptation 2018 ,		80
233	. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 660-673	4.8	66
232	Analyzing Tracklets for the Detection of Abnormal Crowd Behavior 2015 ,		63
231	Investigating Hidden Markov Models' capabilities in 2D shape classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 281-6	13.3	62
230	Bounding Multiple Gaussians Uncertainty with Application to Object Tracking. <i>International Journal of Computer Vision</i> , 2016 , 118, 364-379	10.6	58

229	Multi-branch convolutional neural network for multiple sclerosis lesion segmentation. <i>NeuroImage</i> , 2019 , 196, 1-15	7.9	56
228	Decentralized particle filter for joint individual-group tracking 2012 ,		52
227	Automatic visual tracking and social behaviour analysis with multiple mice. <i>PLoS ONE</i> , 2013 , 8, e74557	3.7	50
226	Stel component analysis: Modeling spatial correlations in image class structure 2009 ,		49
225	A Hidden Markov Model-Based Approach to Sequential Data Clustering. <i>Lecture Notes in Computer Science</i> , 2002 , 734-743	0.9	49
224	Modality Distillation with Multiple Stream Networks for Action Recognition. <i>Lecture Notes in Computer Science</i> , 2018 , 106-121	0.9	47
223	Unsupervised Spike Sorting for Large-Scale, High-Density Multielectrode Arrays. <i>Cell Reports</i> , 2017 , 18, 2521-2532	10.6	46
222	Optimizing interaction force for global anomaly detection in crowded scenes 2011 ,		40
221	Semi-supervised multi-feature learning for person re-identification 2013 ,		39
220	Towards Computational Proxemics: Inferring Social Relations from Interpersonal Distances 2011 ,		37
219	A sequential pruning strategy for the selection of the number of states in hidden Markov models. <i>Pattern Recognition Letters</i> , 2003 , 24, 1395-1407	4.7	36
218	Detecting conversational groups in images and sequences: A robust game-theoretic approach. <i>Computer Vision and Image Understanding</i> , 2016 , 143, 11-24	4.3	35
217	Sparse representation classification with manifold constraints transfer 2015 ,		35
216	Similarity-Based Clustering of Sequences Using Hidden Markov Models 2003 , 86-95		33
215	Violence detection in crowded scenes using substantial derivative 2015 ,		32
214	2013 ,		32
213	Multi-class Classification on Riemannian Manifolds for Video Surveillance. <i>Lecture Notes in Computer Science</i> , 2010 , 378-391	0.9	32
212	The Visual Social Distancing Problem. <i>IEEE Access</i> , 2020 , 8, 126876-126886	3.5	32

211	Angry Crowds: Detecting Violent Events in Videos. <i>Lecture Notes in Computer Science</i> , 2016 , 3-18	0.9	30
210	Adaptive Local Movement Modeling for Robust Object Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 1515-1526	6.4	29
209	A Multiple Component Matching Framework for Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2011 , 140-149	0.9	29
208	Novel dataset for fine-grained abnormal behavior understanding in crowd 2016 ,		28
207	Registration of Multiple Acoustic Range Views for Underwater Scene Reconstruction. <i>Computer Vision and Image Understanding</i> , 2002 , 87, 78-89	4.3	28
206	A closed form solution to the microphone position self-calibration problem 2012 ,		27
205	A Hidden Markov Model approach for appearance-based 3D object recognition. <i>Pattern Recognition Letters</i> , 2005 , 26, 2588-2599	4.7	26
204	Free Energy Score Spaces: Using Generative Information in Discriminative Classifiers. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 1249-62	13.3	25
203	A real-time versatile roadway path extraction and tracking on an FPGA platform. <i>Computer Vision and Image Understanding</i> , 2010 , 114, 1164-1179	4.3	25
202	Augmented scene modeling and visualization by optical and acoustic sensor integration. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2004 , 10, 625-36	4	24
201	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 441-456	6.6	23
200	Kernel-based classification for brain connectivity graphs on the Riemannian manifold of positive definite matrices 2015 ,		23
199	Crowd motion monitoring using tracklet-based commotion measure 2015 ,		23
198	Detecting emergent leader in a meeting environment using nonverbal visual features only 2016 ,		23
197	Conversationally-inspired stylometric features for authorship attribution in instant messaging 2012 ,		21
196	Classification of first-episode psychosis: a multi-modal multi-feature approach integrating structural and diffusion imaging. <i>Journal of Neural Transmission</i> , 2015 , 122, 897-905	4.3	20
195	Kernelized covariance for action recognition 2016 ,		20
194	Investigating topic models' capabilities in expression microarray data classification. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012 , 9, 1831-6	3	20

193	Abnormal Crowd Behavior Detection by Social Force Optimization. <i>Lecture Notes in Computer Science</i> , 2011 , 134-145	0.9	20
192	Excitation Backprop for RNNs 2018 ,		20
191	A new shape diffusion descriptor for brain classification. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 426-33	0.9	19
190	Video Gesture Analysis for Autism Spectrum Disorder Detection 2018 ,		19
189	Joint Individual-Group Modeling for Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 746-59	13.3	18
188	Functional connectivity estimation over large networks at cellular resolution based on electrophysiological recordings and structural prior. <i>Frontiers in Neuroanatomy</i> , 2014 , 8, 137	3.6	18
187	Abnormality Detection with Improved Histogram of Oriented Tracklets. <i>Lecture Notes in Computer Science</i> , 2015 , 722-732	0.9	18
186	The human brain reveals resting state activity patterns that are predictive of biases in attitudes toward robots. <i>Science Robotics</i> , 2020 , 5,	18.6	18
185	SDALF: Modeling Human Appearance with Symmetry-Driven Accumulation of Local Features 2014 , 43-69		18
184	Curriculum Dropout 2017 ,		17
183	Dissimilarity-based detection of schizophrenia. <i>International Journal of Imaging Systems and Technology</i> , 2011 , 21, 179-192	2.5	17
182	Learning with Privileged Information via Adversarial Discriminative Modality Distillation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 2581-2593	13.3	17
181	Unsupervised Adaptive Re-identification in Open World Dynamic Camera Networks 2017 ,		16
180	Generative modeling and classification of dialogs by a low-level turn-taking feature. <i>Pattern Recognition</i> , 2011 , 44, 1785-1800	7.7	16
179	Addressing Model Vulnerability to Distributional Shifts Over Image Transformation Sets 2019 ,		16
178	Unsupervised scene analysis: A hidden Markov model approach. <i>Computer Vision and Image Understanding</i> , 2006 , 102, 22-41	4.3	15
177	Seeing the Sound: A New Multimodal Imaging Device for Computer Vision 2015 ,		14
176	Conversation analysis at work: detection of conflict in competitive discussions through semi-automatic turn-organization analysis. <i>Cognitive Processing</i> , 2012 , 13 Suppl 2, 533-40	1.5	14

175	2013,		14
174	Toward an automatically generated soundtrack from low-level cross-modal correlations for automotive scenarios 2010,		14
173	Grouping as a Searching Process for Minimum-Energy Configurations of Labelled Random Fields. <i>Computer Vision and Image Understanding</i> , 1996 , 64, 157-174	4.3	14
172	Deep Endoscope: Intelligent Duct Inspection for the Avionic Industry. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1701-1711	11.9	13
171	Similarity-based pattern recognition. <i>Pattern Recognition</i> , 2006 , 39, 1813-1814	7.7	13
170	Identification of emergent leaders in a meeting scenario using multiple kernel learning 2016,		13
169	Predicting online lecture ratings based on gesturing and vocal behavior. <i>Journal on Multimodal User Interfaces</i> , 2014 , 8, 151-160	1.7	12
168	Stel component analysis: Modeling spatial correlations in image class structure		12
167	Kernel-Based Analysis of Functional Brain Connectivity on Grassmann Manifold. <i>Lecture Notes in Computer Science</i> , 2015 , 604-611	0.9	12
166	Biologically-aware Latent Dirichlet Allocation (BaLDA) for the Classification of Expression Microarray. <i>Lecture Notes in Computer Science</i> , 2010 , 230-241	0.9	12
165	Detecting Abnormal Behavioral Patterns in Crowd Scenarios. <i>Intelligent Systems Reference Library</i> , 2016 , 185-205	0.8	12
164	Statistical 3D Shape Analysis by Local Generative Descriptors. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 2555-60	13.3	11
163	Look at Who's Talking: Voice Activity Detection by Automated Gesture Analysis. <i>Communications in Computer and Information Science</i> , 2012 , 72-80	0.3	11
162	Intra-Camera Supervised Person Re-Identification: A New Benchmark 2019,		11
161	Investigation of Small Group Social Interactions Using Deep Visual Activity-Based Nonverbal Features 2018,		11
160	Adaptive Local Movement Modelling for Object Tracking 2015,		10
159	Audio Tracking in Noisy Environments by Acoustic Map and Spectral Signature. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1619-1632	10.2	10
158	Describing the Conformational Landscape of Small Organic Molecules through Gaussian Mixtures in Dihedral Space. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 2557-68	6.4	10

157	Temporal Poselets for Collective Activity Detection and Recognition 2013 ,		10
156	2013 ,		10
155	Learning natural scene categories by selective multi-scale feature extraction. <i>Image and Vision Computing</i> , 2010 , 28, 927-939	3.7	10
154	2D into 3D Hough-space mapping for planar object pose estimation. <i>Image and Vision Computing</i> , 1997 , 15, 435-444	3.7	10
153	Reconstruction and segmentation of underwater acoustic images combining confidence information in MRF models. <i>Pattern Recognition</i> , 2001 , 34, 981-997	7.7	10
152	Exploiting Feature Correlations by Brownian Statistics for People Detection and Recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 1-12	7.3	10
151	Efficient pooling of image based CNN features for action recognition in videos 2017 ,		9
150	Tracking the Leader: Gaze Behavior in Group Interactions. <i>IScience</i> , 2019 , 16, 242-249	6.1	9
149	Non-myopic information theoretic sensor management of a single pan-tilt-zoom camera for multiple object detection and tracking. <i>Computer Vision and Image Understanding</i> , 2015 , 134, 74-88	4.3	9
148	Person re-identification by order-induced metric fusion. <i>Neurocomputing</i> , 2018 , 275, 667-676	5.4	9
147	Multi-level background initialization using Hidden Markov Models 2003 ,		9
146	Online Bayesian Non-parametrics for Social Group Detection 2012 ,		9
145	Group-wise functional community detection through joint Laplacian diagonalization. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 708-15	0.9	9
144	An Experimental Framework for Evaluating PTZ Tracking Algorithms. <i>Lecture Notes in Computer Science</i> , 2011 , 81-90	0.9	9
143	Aggregation Signature for Small Object Tracking. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	9
142	Scalable and compact 3D action recognition with approximated RBF kernel machines. <i>Pattern Recognition</i> , 2019 , 93, 25-35	7.7	8
141	Automated multi-subject fiber clustering of mouse brain using dominant sets. <i>Frontiers in Neuroinformatics</i> , 2014 , 8, 87	3.9	8
140	2011 ,		8

139	Collaborative particle filters for group tracking 2010 ,		8
138	Markov-based methodology for the restoration of underwater acoustic images. <i>International Journal of Imaging Systems and Technology</i> , 1997 , 8, 386-395	2.5	8
137	A Game-Theoretic Probabilistic Approach for Detecting Conversational Groups. <i>Lecture Notes in Computer Science</i> , 2015 , 658-675	0.9	8
136	Deep 2D Encoder-Decoder Convolutional Neural Network for Multiple Sclerosis Lesion Segmentation in Brain MRI. <i>Lecture Notes in Computer Science</i> , 2019 , 132-141	0.9	7
135	Person Re-identification by Discriminatively Selecting Parts and Features. <i>Lecture Notes in Computer Science</i> , 2015 , 147-161	0.9	7
134	Approximate Log-Hilbert-Schmidt Distances between Covariance Operators for Image Classification 2016 ,		7
133	Moving as a Leader 2017 ,		7
132	Predicting Human Intentions from Motion Cues Only 2017 ,		7
131	Weighted bag of visual words for object recognition 2014 ,		7
130	Heterogeneous Auto-similarities of Characteristics (HASC): Exploiting Relational Information for Classification 2013 ,		7
129	Content visualization and management of geo-located image databases 2008 ,		7
128	A supervised data-driven approach for microarray spot quality classification. <i>Pattern Analysis and Applications</i> , 2005 , 8, 181-187	2.3	7
127	Clustering-Based Construction of Hidden Markov Models for Generative Kernels. <i>Lecture Notes in Computer Science</i> , 2009 , 466-479	0.9	7
126	Towards a Subject-Centered Analysis for Automated Video Surveillance. <i>Lecture Notes in Computer Science</i> , 2009 , 481-489	0.9	7
125	Predicting Intentions from Motion: The Subject-Adversarial Adaptation Approach. <i>International Journal of Computer Vision</i> , 2020 , 128, 220-239	10.6	7
124	Exploiting Multiple Detections for Person Re-Identification. <i>Journal of Imaging</i> , 2018 , 4, 28	3.1	7
123	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2107-2116	6.6	6
122	Audio-Visual Model Distillation Using Acoustic Images 2020 ,		6

121	Physics-Inspired Models for Detecting Abnormal Behaviors in Crowded Scenes 2017 , 253-272		6
120	Covariances in Computer Vision and Machine Learning. <i>Synthesis Lectures on Computer Vision</i> , 2017 , 7, 1-170	1	6
119	Person re-identification using sparse representation with manifold constraints 2016 ,		6
118	Biomimetic Locomotion on Water of a Porous Natural Polymeric Composite. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500854	4.6	6
117	A Multi-View Learning Approach to Deception Detection 2018 ,		6
116	Information theoretic sensor management for multi-target tracking with a single pan-tilt-zoom camera 2014 ,		6
115	Exploiting multiple detections to learn robust brightness transfer functions in re-identification systems 2015 ,		6
114	In silico deconstruction of ATP-competitive inhibitors of glycogen synthase kinase-3 <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 3233-44	6.1	6
113	Sparseness Achievement in Hidden Markov Models 2007 ,		6
112	Video Objects Segmentation by Robust Background Modeling 2007 ,		6
111	Revisiting Human Action Recognition: Personalization vs. Generalization. <i>Lecture Notes in Computer Science</i> , 2017 , 469-480	0.9	6
110	Analyzing Groups: A Social Signaling Perspective. <i>Studies in Computational Intelligence</i> , 2012 , 271-305	0.8	6
109	Combining information theoretic kernels with generative embeddings for classification. <i>Neurocomputing</i> , 2013 , 101, 161-169	5.4	5
108	Multi-task learning of social psychology assessments and nonverbal features for automatic leadership identification 2017 ,		5
107	Generative embeddings based on Rician mixtures for kernel-based classification of magnetic resonance images. <i>Neurocomputing</i> , 2014 , 123, 49-59	5.4	5
106	2010 ,		5
105	FPGA-based robust ellipse estimation for circular road sign detection 2010 ,		5
104	Non-linear generative embeddings for kernels on latent variable models 2009 ,		5

103	Explainable Deep Classification Models for Domain Generalization 2021 ,		5
102	Intra-Camera Supervised Person Re-Identification. <i>International Journal of Computer Vision</i> , 2021 , 129, 1580-1595	10.6	5
101	Designing the Minimal Structure of Hidden Markov Model by Bisimulation. <i>Lecture Notes in Computer Science</i> , 2001 , 75-90	0.9	5
100	Adaptation of person re-identification models for on-boarding new camera(s). <i>Pattern Recognition</i> , 2019 , 96, 106991	7.7	4
99	A novel unsupervised analysis of electrophysiological signals reveals new sleep substages in mice. <i>PLoS Biology</i> , 2018 , 16, e2003663	9.7	4
98	Personality Traits Classification Using Deep Visual Activity-based Nonverbal Features of Key-Dynamic Images. <i>IEEE Transactions on Affective Computing</i> , 2019 , 1-1	5.7	4
97	Learning how to teach from Videolectures—automatic prediction of lecture ratings based on teacher’s nonverbal behavior 2012 ,		4
96	Visual MRI: merging information visualization and non-parametric clustering techniques for MRI dataset analysis. <i>Artificial Intelligence in Medicine</i> , 2008 , 44, 183-99	7.4	4
95	Face recognition with Multilevel B-Splines and Support Vector Machines 2003 ,		4
94	Effective Brain Connectivity Through a Constrained Autoregressive Model. <i>Lecture Notes in Computer Science</i> , 2016 , 140-147	0.9	4
93	Object Recognition with Hierarchical Stel Models. <i>Lecture Notes in Computer Science</i> , 2010 , 15-28	0.9	4
92	Unsupervised spike sorting for large scale, high density multielectrode arrays		4
91	Guided Zoom: Zooming into Network Evidence to Refine Fine-Grained Model Decisions. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 4196-4202	13.3	4
90	Automatic inspection of aeronautic components. <i>Machine Vision and Applications</i> , 2017 , 28, 591-605	2.8	3
89	MultiLink Analysis: Brain Network Comparison via Sparse Connectivity Analysis. <i>Scientific Reports</i> , 2019 , 9, 65	4.9	3
88	Filling the Gaps: Predicting Missing Joints of Human Poses Using Denoising Autoencoders. <i>Lecture Notes in Computer Science</i> , 2019 , 364-379	0.9	3
87	Person Re-identification Using Robust Brightness Transfer Functions Based on Multiple Detections. <i>Lecture Notes in Computer Science</i> , 2015 , 449-459	0.9	3
86	Trusting Skype: Learning the Way People Chat for Fast User Recognition and Verification 2013 ,		3

85	What Will I Do Next? The Intention from Motion Experiment 2017 ,		3
84	Exploiting Gaussian mixture importance for person re-identification 2017 ,		3
83	When Kernel Methods Meet Feature Learning: Log-Covariance Network for Action Recognition From Skeletal Data 2017 ,		3
82	Summarization and Classification of Wearable Camera Streams by Learning the Distributions over Deep Features of Out-of-Sample Image Sequences 2017 ,		3
81	Manifold Constrained Low-Rank Decomposition 2017 ,		3
80	Learning with dataset bias in latent subcategory models 2015 ,		3
79	A comparison of crowd commotion measures from generative models 2015 ,		3
78	Mapping brains on grids of features for schizophrenia analysis. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 805-12	0.9	3
77	Automatic human interaction understanding: lessons from a multidisciplinary approach. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 57	3.3	3
76	A Re-evaluation of Pedestrian Detection on Riemannian Manifolds 2010 ,		3
75	Nonlinear Mappings for Generative Kernels on Latent Variable Models 2010 ,		3
74	An FPGA-based Classification Architecture on Riemannian Manifolds 2010 ,		3
73	Fast FPGA-based architecture for pedestrian detection based on covariance matrices 2011 ,		3
72	Combination of atomic force microscopy and principal component analysis as a general method for direct recognition of functional and structural domains in nanocomposite materials. <i>Microscopy Research and Technique</i> , 2010 , 73, 973-81	2.8	3
71	A Belief-Based Approach for Adaptive Image Processing. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1997 , 11, 359-392	1.1	3
70	A geometrical approach to the surface-fitting problem in underwater three-dimensional acoustic images. <i>Measurement Science and Technology</i> , 1999 , 10, 1135-1141	2	3
69	Leveraging Acoustic Images for Effective Self-supervised Audio Representation Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 119-135	0.9	3
68	Structure from Motion and Photometric Stereo for Dense 3D Shape Recovery. <i>Lecture Notes in Computer Science</i> , 2011 , 660-669	0.9	3

67	Learning Discriminative Spatial Relations for Detector Dictionaries: An Application to Pedestrian Detection. <i>Lecture Notes in Computer Science</i> , 2012 , 273-286	0.9	3
66	A New Generative Feature Set Based on Entropy Distance for Discriminative Classification. <i>Lecture Notes in Computer Science</i> , 2009 , 199-208	0.9	3
65	Unsupervised mouse behavior analysis: A data-driven study of mice interactions 2016 ,		3
64	From Covariance Matrices to Covariance Operators: Data Representation from Finite to Infinite-Dimensional Settings. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016 , 115-143	1.1	3
63	Voice Activity Detection by Upper Body Motion Analysis and Unsupervised Domain Adaptation 2019 ,		3
62	Person re-identification 2018 , 365-394		3
61	Excitation Dropout: Encouraging Plasticity in Deep Neural Networks. <i>International Journal of Computer Vision</i> , 2021 , 129, 1139-1152	10.6	3
60	Geodesic Clustering of Positive Definite Matrices For Classification of Mental Disorder Using Brain Functional Connectivity 2020 ,		2
59	Unsupervised Domain-Adaptive Person Re-Identification Based on Attributes 2019 ,		2
58	Sleep-stage scoring in mice: The influence of data pre-processing on a system's performance. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 598-601	0.9	2
57	Multi-view Photometric Stereo Using Semi-isometric Mappings 2012 ,		2
56	Stel Component Analysis: Joint Segmentation, Modeling and Recognition of Objects Classes. <i>International Journal of Computer Vision</i> , 2012 , 100, 241-260	10.6	2
55	Dirichlet Process Mixtures of Multinomials for Data Mining in Mice Behaviour Analysis 2013 ,		2
54	Online subjective feature selection for occlusion management in tracking applications 2009 ,		2
53	A joint structural and functional analysis of in-vitro neuronal networks 2012 ,		2
52	Segmentation of Retinal Ganglion Cells From Fluorescent Microscopy Imaging 2017 ,		2
51	A Novel Dictionary Learning based Multiple Instance Learning Approach to Action Recognition from Videos 2017 ,		2
50	Comparisons of Visual Activity Primitives for Voice Activity Detection. <i>Lecture Notes in Computer Science</i> , 2019 , 48-59	0.9	2

49	Robust Initialization for Learning Latent Dirichlet Allocation. <i>Lecture Notes in Computer Science</i> , 2015 , 117-132	0.9	2
48	Groups and Crowds: Behaviour Analysis of People Aggregations. <i>Communications in Computer and Information Science</i> , 2017 , 3-32	0.3	2
47	A Compact Kernel Approximation for 3D Action Recognition. <i>Lecture Notes in Computer Science</i> , 2017 , 211-222	0.9	2
46	Information Theoretical Kernels for Generative Embeddings Based on Hidden Markov Models. <i>Lecture Notes in Computer Science</i> , 2010 , 463-472	0.9	2
45	Multimodal Schizophrenia Detection by Multiclassification Analysis. <i>Lecture Notes in Computer Science</i> , 2011 , 491-498	0.9	2
44	Combining Data Sources Nonlinearly for Cell Nucleus Classification of Renal Cell Carcinoma. <i>Lecture Notes in Computer Science</i> , 2011 , 250-260	0.9	2
43	Encoding Classes of Unaligned Objects Using Structural Similarity Cross-Covariance Tensors. <i>Lecture Notes in Computer Science</i> , 2013 , 133-140	0.9	2
42	Directional Visual Descriptors and Multirobot Strategies for Large-Scale Coverage Problems. <i>Journal of Field Robotics</i> , 2016 , 33, 489-511	6.7	2
41	Distillation Multiple Choice Learning for Multimodal Action Recognition 2021 ,		2
40	Manifold constraint transfer for visual structure-driven optimization. <i>Pattern Recognition</i> , 2018 , 77, 87-98.7	9.7	2
39	Improving FREAK Descriptor for Image Classification. <i>Lecture Notes in Computer Science</i> , 2015 , 14-23	0.9	1
38	Semantic Multi-body Motion Segmentation 2015 ,		1
37	ENCODING STRUCTURAL SIMILARITY BY CROSS-COVARIANCE TENSORS FOR IMAGE CLASSIFICATION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2014 , 28, 1460008 ^{1,1}		1
36	The Group and Crowd Analysis Interdisciplinary Challenge 2017 , 1-11		1
35	Bridging the gap in connectomic studies: A particle filtering framework for estimating structural connectivity at network scale. <i>Medical Image Analysis</i> , 2015 , 21, 1-14	15.4	1
34	Automatic conversational scene analysis in children with Asperger syndrome/high-functioning autism and typically developing peers. <i>PLoS ONE</i> , 2014 , 9, e85819	3.7	1
33	Automatic Tractography Analysis through Sparse Networks in Case-Control Studies 2012 ,		1
32	Biomarker Evaluation by Multiple Kernel Learning for Schizophrenia Detection 2012 ,		1

31	2LDA: Segmentation for Recognition 2010 ,		1
30	Discriminative Dictionary Design for Action Classification in Still Images. <i>Lecture Notes in Computer Science</i> , 2017 , 160-170	0.9	1
29	Learning Approach to Analyze Tumour Heterogeneity in DCE-MRI Data During Anti-cancer Treatment. <i>Lecture Notes in Computer Science</i> , 2009 , 385-389	0.9	1
28	A Localized MKL Method for Brain Classification with Known Intra-class Variability. <i>Lecture Notes in Computer Science</i> , 2012 , 152-159	0.9	1
27	Hybrid Generative-Discriminative Nucleus Classification of Renal Cell Carcinoma. <i>Lecture Notes in Computer Science</i> , 2011 , 77-89	0.9	1
26	A Multiple Kernel Learning Algorithm for Cell Nucleus Classification of Renal Cell Carcinoma. <i>Lecture Notes in Computer Science</i> , 2011 , 413-422	0.9	1
25	Exploiting Geometry in Counting Grids. <i>Lecture Notes in Computer Science</i> , 2013 , 250-264	0.9	1
24	Using Dominant Sets for k-NN Prototype Selection. <i>Lecture Notes in Computer Science</i> , 2013 , 131-140	0.9	1
23	. <i>IEEE Transactions on Multimedia</i> , 2020 , 1-1	6.6	1
22	Learning Unbiased Representations via Mutual Information Backpropagation 2021 ,		1
21	Guest Editorial Special Section on Learning in Non-(geo)metric Spaces. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 1290-1293	10.3	1
20	Traveling on discrete embeddings of gene expression. <i>Artificial Intelligence in Medicine</i> , 2016 , 70, 1-11	7.4	1
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17	Transductive Zero-Shot Learning by Decoupled Feature Generation 2021 ,		1
16	Fully non-homogeneous hidden Markov model double net: a generative model for haplotype reconstruction and block discovery. <i>Artificial Intelligence in Medicine</i> , 2009 , 45, 135-50	7.4	0
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