

Vittorio Murino

List of Publications by Year in Descending Order

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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	Beyond the Visual Analysis of Deep Model Saliency. <i>Lecture Notes in Computer Science</i> , 2022 , 255-269	0.9	
245	Mixing Zero-Shot Learning Up: Learning Unseen Classes from Mixed Features. <i>Lecture Notes in Computer Science</i> , 2022 , 610-620	0.9	
244	Towards Open Zero-Shot Learning. <i>Lecture Notes in Computer Science</i> , 2022 , 564-575	0.9	
243	Explainable Deep Classification Models for Domain Generalization 2021 ,		5
242	Learning Unbiased Representations via Mutual Information Backpropagation 2021 ,		1
241	S-VVAD: Visual Voice Activity Detection by Motion Segmentation 2021 ,		1
240	Distillation Multiple Choice Learning for Multimodal Action Recognition 2021 ,		2
239	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
238	Intra-Camera Supervised Person Re-Identification. <i>International Journal of Computer Vision</i> , 2021 , 129, 1580-1595	10.6	5
237	Structurally constrained effective brain connectivity. <i>NeuroImage</i> , 2021 , 239, 118288	7.9	1
236	Organ Segmentation with Recursive Data Augmentation for Deep Models. <i>Lecture Notes in Computer Science</i> , 2021 , 337-343	0.9	
235	Transductive Zero-Shot Learning by Decoupled Feature Generation 2021 ,		1
234	Excitation Dropout: Encouraging Plasticity in Deep Neural Networks. <i>International Journal of Computer Vision</i> , 2021 , 129, 1139-1152	10.6	3
233	Geodesic Clustering of Positive Definite Matrices For Classification of Mental Disorder Using Brain Functional Connectivity 2020 ,		2
232	Audio-Visual Model Distillation Using Acoustic Images 2020 ,		6
231	Leveraging Acoustic Images for Effective Self-supervised Audio Representation Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 119-135	0.9	3
230	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

229	. <i>IEEE Transactions on Multimedia</i> , 2020 , 1-1	6.6	1
228	The Visual Social Distancing Problem. <i>IEEE Access</i> , 2020 , 8, 126876-126886	3.5	32
227	Predicting Intentions from Motion: The Subject-Adversarial Adaptation Approach. <i>International Journal of Computer Vision</i> , 2020 , 128, 220-239	10.6	7
226	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
225	Adaptation of person re-identification models for on-boarding new camera(s). <i>Pattern Recognition</i> , 2019 , 96, 106991	7.7	4
224	MultiLink Analysis: Brain Network Comparison via Sparse Connectivity Analysis. <i>Scientific Reports</i> , 2019 , 9, 65	4.9	3
223	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2107-2116	6.6	6
222	Tracking the Leader: Gaze Behavior in Group Interactions. <i>IScience</i> , 2019 , 16, 242-249	6.1	9
221	Scalable and compact 3D action recognition with approximated RBF kernel machines. <i>Pattern Recognition</i> , 2019 , 93, 25-35	7.7	8
220	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
219	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
218	Multi-branch convolutional neural network for multiple sclerosis lesion segmentation. <i>NeuroImage</i> , 2019 , 196, 1-15	7.9	56
217	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
216	Unsupervised Domain-Adaptive Person Re-Identification Based on Attributes 2019 ,		2
215	Comparisons of Visual Activity Primitives for Voice Activity Detection. <i>Lecture Notes in Computer Science</i> , 2019 , 48-59	0.9	2
214	Voice Activity Detection by Upper Body Motion Analysis and Unsupervised Domain Adaptation 2019 ,		3
213	Intra-Camera Supervised Person Re-Identification: A New Benchmark 2019 ,		11
212	Addressing Model Vulnerability to Distributional Shifts Over Image Transformation Sets 2019 ,		16

211	Aggregation Signature for Small Object Tracking. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	9
210	Deep Endoscope: Intelligent Duct Inspection for the Avionic Industry. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1701-1711	11.9	13
209	Audio Tracking in Noisy Environments by Acoustic Map and Spectral Signature. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1619-1632	10.2	10
208	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 441-456	6.6	23
207	Person re-identification by order-induced metric fusion. <i>Neurocomputing</i> , 2018 , 275, 667-676	5.4	9
206	Discriminative body part interaction mining for mid-level action representation and classification. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 55, 829-840	2.7	
205	A novel unsupervised analysis of electrophysiological signals reveals new sleep substages in mice. <i>PLoS Biology</i> , 2018 , 16, e2003663	9.7	4
204	A Multi-View Learning Approach to Deception Detection 2018 ,		6
203	Automatic Segmentation of Neurons from Fluorescent Microscopy Imaging. <i>Communications in Computer and Information Science</i> , 2018 , 121-133	0.3	0
202	Modality Distillation with Multiple Stream Networks for Action Recognition. <i>Lecture Notes in Computer Science</i> , 2018 , 106-121	0.9	47
201	Person re-identification 2018 , 365-394		3
200	Manifold constraint transfer for visual structure-driven optimization. <i>Pattern Recognition</i> , 2018 , 77, 87-98.	7	2
199	Adversarial Feature Augmentation for Unsupervised Domain Adaptation 2018 ,		80
198	Excitation Backprop for RNNs 2018 ,		20
197	Exploiting Multiple Detections for Person Re-Identification. <i>Journal of Imaging</i> , 2018 , 4, 28	3.1	7
196	Video Gesture Analysis for Autism Spectrum Disorder Detection 2018 ,		19
195	Investigation of Small Group Social Interactions Using Deep Visual Activity-Based Nonverbal Features 2018 ,		11
194	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

193	Unsupervised Spike Sorting for Large-Scale, High-Density Multielectrode Arrays. <i>Cell Reports</i> , 2017 , 18, 2521-2532	10.6	46
192	Automatic inspection of aeronautic components. <i>Machine Vision and Applications</i> , 2017 , 28, 591-605	2.8	3
191	Efficient pooling of image based CNN features for action recognition in videos 2017 ,		9
190	Physics-Inspired Models for Detecting Abnormal Behaviors in Crowded Scenes 2017 , 253-272		6
189	Covariances in Computer Vision and Machine Learning. <i>Synthesis Lectures on Computer Vision</i> , 2017 , 7, 1-170	1	6
188	What Will I Do Next? The Intention from Motion Experiment 2017 ,		3
187	Exploiting Gaussian mixture importance for person re-identification 2017 ,		3
186	Moving as a Leader 2017 ,		7
185	Predicting Human Intentions from Motion Cues Only 2017 ,		7
184	Multi-task learning of social psychology assessments and nonverbal features for automatic leadership identification 2017 ,		5
183	When Kernel Methods Meet Feature Learning: Log-Covariance Network for Action Recognition From Skeletal Data 2017 ,		3
182	Unsupervised Adaptive Re-identification in Open World Dynamic Camera Networks 2017 ,		16
181	Summarization and Classification of Wearable Camera Streams by Learning the Distributions over Deep Features of Out-of-Sample Image Sequences 2017 ,		3
180	Curriculum Dropout 2017 ,		17
179	Manifold Constrained Low-Rank Decomposition 2017 ,		3
178	The Group and Crowd Analysis Interdisciplinary Challenge 2017 , 1-11		1
177	Segmentation of Retinal Ganglion Cells From Fluorescent Microscopy Imaging 2017 ,		2
176	A Novel Dictionary Learning based Multiple Instance Learning Approach to Action Recognition from Videos 2017 ,		2

175	Groups and Crowds: Behaviour Analysis of People Aggregations. <i>Communications in Computer and Information Science</i> , 2017 , 3-32	0.3	2
174	Discriminative Dictionary Design for Action Classification in Still Images. <i>Lecture Notes in Computer Science</i> , 2017 , 160-170	0.9	1
173	A Compact Kernel Approximation for 3D Action Recognition. <i>Lecture Notes in Computer Science</i> , 2017 , 211-222	0.9	2
172	Revisiting Human Action Recognition: Personalization vs. Generalization. <i>Lecture Notes in Computer Science</i> , 2017 , 469-480	0.9	6
171	Novel dataset for fine-grained abnormal behavior understanding in crowd 2016 ,		28
170	Person re-identification using sparse representation with manifold constraints 2016 ,		6
169	Approximate Log-Hilbert-Schmidt Distances between Covariance Operators for Image Classification 2016 ,		7
168	Kernelized covariance for action recognition 2016 ,		20
167	Biomimetic Locomotion on Water of a Porous Natural Polymeric Composite. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500854	4.6	6
166	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
165	Audio Surveillance. <i>ACM Computing Surveys</i> , 2016 , 48, 1-46	13.4	90
164	Effective Brain Connectivity Through a Constrained Autoregressive Model. <i>Lecture Notes in Computer Science</i> , 2016 , 140-147	0.9	4
163	Directional Visual Descriptors and Multirobot Strategies for Large-Scale Coverage Problems. <i>Journal of Field Robotics</i> , 2016 , 33, 489-511	6.7	2
162	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
161	Unsupervised mouse behavior analysis: A data-driven study of mice interactions 2016 ,		3
160	Identification of emergent leaders in a meeting scenario using multiple kernel learning 2016 ,		13
159	Detecting emergent leader in a meeting environment using nonverbal visual features only 2016 ,		23
158	Detecting Abnormal Behavioral Patterns in Crowd Scenarios. <i>Intelligent Systems Reference Library</i> , 2016 , 185-205	0.8	12

157	Traveling on discrete embeddings of gene expression. <i>Artificial Intelligence in Medicine</i> , 2016 , 70, 1-11	7.4	1
156	Bounding Multiple Gaussians Uncertainty with Application to Object Tracking. <i>International Journal of Computer Vision</i> , 2016 , 118, 364-379	10.6	58
155	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
154	Angry Crowds: Detecting Violent Events in Videos. <i>Lecture Notes in Computer Science</i> , 2016 , 3-18	0.9	30
153	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
152	Joint Individual-Group Modeling for Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 746-59	13.3	18
151	Adaptive Local Movement Modelling for Object Tracking 2015 ,		10
150	Improving FREAK Descriptor for Image Classification. <i>Lecture Notes in Computer Science</i> , 2015 , 14-23	0.9	1
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	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
147	Person Re-identification by Discriminatively Selecting Parts and Features. <i>Lecture Notes in Computer Science</i> , 2015 , 147-161	0.9	7
146	Analyzing Tracklets for the Detection of Abnormal Crowd Behavior 2015 ,		63
145	Semantic Multi-body Motion Segmentation 2015 ,		1
144	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
143	Sparse representation classification with manifold constraints transfer 2015 ,		35
142	Seeing the Sound: A New Multimodal Imaging Device for Computer Vision 2015 ,		14
141	Exploiting multiple detections to learn robust brightness transfer functions in re-identification systems 2015 ,		6
140	Learning with dataset bias in latent subcategory models 2015 ,		3

139	Kernel-based classification for brain connectivity graphs on the Riemannian manifold of positive definite matrices 2015 ,		23
138	A comparison of crowd commotion measures from generative models 2015 ,		3
137	Crowd motion monitoring using tracklet-based commotion measure 2015 ,		23
136	Violence detection in crowded scenes using substantial derivative 2015 ,		32
135	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
134	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
133	A Game-Theoretic Probabilistic Approach for Detecting Conversational Groups. <i>Lecture Notes in Computer Science</i> , 2015 , 658-675	0.9	8
132	Abnormality Detection with Improved Histogram of Oriented Tracklets. <i>Lecture Notes in Computer Science</i> , 2015 , 722-732	0.9	18
131	Robust Initialization for Learning Latent Dirichlet Allocation. <i>Lecture Notes in Computer Science</i> , 2015 , 117-132	0.9	2
130	Kernel-Based Analysis of Functional Brain Connectivity on Grassmann Manifold. <i>Lecture Notes in Computer Science</i> , 2015 , 604-611	0.9	12
129	Chronic and acute intranasal oxytocin produce divergent social effects in mice. <i>Neuropsychopharmacology</i> , 2014 , 39, 1102-14	8.7	138
128	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
127	Information theoretic sensor management for multi-target tracking with a single pan-tilt-zoom camera 2014 ,		6
126	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
125	Automated multi-subject fiber clustering of mouse brain using dominant sets. <i>Frontiers in Neuroinformatics</i> , 2014 , 8, 87	3.9	8
124	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
123	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
122	Weighted bag of visual words for object recognition 2014 ,		7

121	Mapping brains on grids of features for schizophrenia analysis. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 805-12	0.9	3
120	Generative embeddings based on Rician mixtures for kernel-based classification of magnetic resonance images. <i>Neurocomputing</i> , 2014 , 123, 49-59	5.4	5
119	Predicting online lecture ratings based on gesturing and vocal behavior. <i>Journal on Multimodal User Interfaces</i> , 2014 , 8, 151-160	1.7	12
118	Group-wise functional community detection through joint Laplacian diagonalization. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 708-15	0.9	9
117	Socially-Driven Computer Vision for Group Behavior Analysis. <i>Studies in Computational Intelligence</i> , 2014 , 223-256	0.8	
116	SDALF: Modeling Human Appearance with Symmetry-Driven Accumulation of Local Features 2014 , 43-69		18
115	Human behavior analysis in video surveillance: A Social Signal Processing perspective. <i>Neurocomputing</i> , 2013 , 100, 86-97	5.4	114
114	Trusting Skype: Learning the Way People Chat for Fast User Recognition and Verification 2013 ,		3
113	Combining information theoretic kernels with generative embeddings for classification. <i>Neurocomputing</i> , 2013 , 101, 161-169	5.4	5
112	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
111	Characterizing humans on Riemannian manifolds. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 1972-84	13.3	111
110	Temporal Poselets for Collective Activity Detection and Recognition 2013 ,		10
109	2013 ,		10
108	Dirichlet Process Mixtures of Multinomials for Data Mining in Mice Behaviour Analysis 2013 ,		2
107	2013 ,		32
106	Heterogeneous Auto-similarities of Characteristics (HASC): Exploiting Relational Information for Classification 2013 ,		7
105	2013 ,		14
104	Semi-supervised multi-feature learning for person re-identification 2013 ,		39

103	Automatic visual tracking and social behaviour analysis with multiple mice. <i>PLoS ONE</i> , 2013 , 8, e74557	3.7	50
102	Exploiting Geometry in Counting Grids. <i>Lecture Notes in Computer Science</i> , 2013 , 250-264	0.9	1
101	Using Dominant Sets for k-NN Prototype Selection. <i>Lecture Notes in Computer Science</i> , 2013 , 131-140	0.9	1
100	Encoding Classes of Unaligned Objects Using Structural Similarity Cross-Covariance Tensors. <i>Lecture Notes in Computer Science</i> , 2013 , 133-140	0.9	2
99	SDALF+C: Augmenting the SDALF Descriptor by Relation-Based Information for Multi-shot Re-identification. <i>Lecture Notes in Computer Science</i> , 2013 , 423-430	0.9	0
98	Multiple-shot person re-identification by chromatic and epitomic analyses. <i>Pattern Recognition Letters</i> , 2012 , 33, 898-903	4.7	163
97	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
96	Multi-view Photometric Stereo Using Semi-isometric Mappings 2012 ,		2
95	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
94	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
93	Automatic Tractography Analysis through Sparse Networks in Case-Control Studies 2012 ,		1
92	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
91	Biomarker Evaluation by Multiple Kernel Learning for Schizophrenia Detection 2012 ,		1
90	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
89	Learning how to teach from Videolectures Automatic prediction of lecture ratings based on teacher's nonverbal behavior 2012 ,		4
88	Automatic human interaction understanding: lessons from a multidisciplinary approach. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 57	3.3	3
87	Conversationally-inspired stylometric features for authorship attribution in instant messaging 2012 ,		21
86	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

85	A closed form solution to the microphone position self-calibration problem 2012 ,		27
84	Decentralized particle filter for joint individual-group tracking 2012 ,		52
83	A joint structural and functional analysis of in-vitro neuronal networks 2012 ,		2
82	. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 660-673	4.8	66
81	Online Bayesian Non-parametrics for Social Group Detection 2012 ,		9
80	Analyzing Groups: A Social Signaling Perspective. <i>Studies in Computational Intelligence</i> , 2012 , 271-305	0.8	6
79	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
78	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
77	Re-identification with RGB-D Sensors. <i>Lecture Notes in Computer Science</i> , 2012 , 433-442	0.9	83
76	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
75	2011 ,		8
74	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
73	Generative modeling and classification of dialogs by a low-level turn-taking feature. <i>Pattern Recognition</i> , 2011 , 44, 1785-1800	7.7	16
72	Dissimilarity-based detection of schizophrenia. <i>International Journal of Imaging Systems and Technology</i> , 2011 , 21, 179-192	2.5	17
71	Fast FPGA-based architecture for pedestrian detection based on covariance matrices 2011 ,		3
70	Towards Computational Proxemics: Inferring Social Relations from Interpersonal Distances 2011 ,		37
69	Custom Pictorial Structures for Re-identification 2011 ,		345
68	Optimizing interaction force for global anomaly detection in crowded scenes 2011 ,		40

67	Social interaction discovery by statistical analysis of F-formations 2011 ,		98
66	A new shape diffusion descriptor for brain classification. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 426-33	0.9	19
65	An Experimental Framework for Evaluating PTZ Tracking Algorithms. <i>Lecture Notes in Computer Science</i> , 2011 , 81-90	0.9	9
64	Structure from Motion and Photometric Stereo for Dense 3D Shape Recovery. <i>Lecture Notes in Computer Science</i> , 2011 , 660-669	0.9	3
63	A Multiple Component Matching Framework for Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2011 , 140-149	0.9	29
62	Multimodal Schizophrenia Detection by Multiclassification Analysis. <i>Lecture Notes in Computer Science</i> , 2011 , 491-498	0.9	2
61	Abnormal Crowd Behavior Detection by Social Force Optimization. <i>Lecture Notes in Computer Science</i> , 2011 , 134-145	0.9	20
60	Hybrid Generative-Discriminative Nucleus Classification of Renal Cell Carcinoma. <i>Lecture Notes in Computer Science</i> , 2011 , 77-89	0.9	1
59	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
58	A Method for Asteroids 3D Surface Reconstruction from Close Approach Distances. <i>Lecture Notes in Computer Science</i> , 2011 , 21-30	0.9	
57	Heat Diffusion Based Dissimilarity Analysis for Schizophrenia Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 306-317	0.9	0
56	Renal Cancer Cell Classification Using Generative Embeddings and Information Theoretic Kernels. <i>Lecture Notes in Computer Science</i> , 2011 , 75-86	0.9	
55	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
54	A Re-evaluation of Pedestrian Detection on Riemannian Manifolds 2010 ,		3
53	Multiple-Shot Person Re-identification by HPE Signature 2010 ,		92
52	Collaborative particle filters for group tracking 2010 ,		8
51	Background Subtraction for Automated Multisensor Surveillance: A Comprehensive Review. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010 , 2010,	1.9	114
50	Nonlinear Mappings for Generative Kernels on Latent Variable Models 2010 ,		3

49	2LDA: Segmentation for Recognition 2010 ,		1
48	Toward an automatically generated soundtrack from low-level cross-modal correlations for automotive scenarios 2010 ,		14
47	An FPGA-based Classification Architecture on Riemannian Manifolds 2010 ,		3
46	2010 ,		5
45	FPGA-based robust ellipse estimation for circular road sign detection 2010 ,		5
44	Multi-class Classification on Riemannian Manifolds for Video Surveillance. <i>Lecture Notes in Computer Science</i> , 2010 , 378-391	0.9	32
43	Combination of atomic force microscopy and principal component analysis as a general method for direct recognition of functional and structural domains in nanonocomposite materials. <i>Microscopy Research and Technique</i> , 2010 , 73, 973-81	2.8	3
42	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
41	Learning natural scene categories by selective multi-scale feature extraction. <i>Image and Vision Computing</i> , 2010 , 28, 927-939	3.7	10
40	Information Theoretical Kernels for Generative Embeddings Based on Hidden Markov Models. <i>Lecture Notes in Computer Science</i> , 2010 , 463-472	0.9	2
39	Object Recognition with Hierarchical Stel Models. <i>Lecture Notes in Computer Science</i> , 2010 , 15-28	0.9	4
38	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
37	A Generative Score Space for Statistical Dialog Characterization in Social Signalling. <i>Lecture Notes in Computer Science</i> , 2010 , 630-639	0.9	
36	Distillation 2010 , 244-264		
35	Online subjective feature selection for occlusion management in tracking applications 2009 ,		2
34	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
33	Stel component analysis: Modeling spatial correlations in image class structure 2009 ,		49
32	Non-linear generative embeddings for kernels on latent variable models 2009 ,		5

31	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
30	Clustering-Based Construction of Hidden Markov Models for Generative Kernels. <i>Lecture Notes in Computer Science</i> , 2009 , 466-479	0.9	7
29	Towards a Subject-Centered Analysis for Automated Video Surveillance. <i>Lecture Notes in Computer Science</i> , 2009 , 481-489	0.9	7
28	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
27	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
26	Content visualization and management of geo-located image databases 2008 ,		7
25	Geo-located Image Grouping Using Latent Descriptions 2008 , 425-434		
24	Sparseness Achievement in Hidden Markov Models 2007 ,		6
23	Video Objects Segmentation by Robust Background Modeling 2007 ,		6
22	Unsupervised scene analysis: A hidden Markov model approach. <i>Computer Vision and Image Understanding</i> , 2006 , 102, 22-41	4.3	15
21	Similarity-based pattern recognition. <i>Pattern Recognition</i> , 2006 , 39, 1813-1814	7.7	13
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