

Bir Bhanu

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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.

314
papers

6,082
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38
h-index

70
g-index

402
ext. papers

7,265
ext. citations

4.4
avg, IF

6.24
L-index

#	Paper	IF	Citations
3 ¹⁴	Individual recognition using gait energy image. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2006 , 28, 316-22	13.3	1049
3 ¹³	3D free-form object recognition in range images using local surface patches. <i>Pattern Recognition Letters</i> , 2007 , 28, 1252-1262	4.7	272
3 ¹²	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1986 , AES-22, 364-379	3.7	211
3 ¹¹	Human ear recognition in 3D. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 718-37	13.3	190
3 ¹⁰	Fingerprint indexing based on novel features of minutiae triplets. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2003 , 25, 616-622	13.3	149
3 ⁰⁹	Physical models for moving shadow and object detection in video. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 1079-87	13.3	133
3 ⁰⁸	Adaptive image segmentation using a genetic algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1995 , 25, 1543-1567		127
3 ⁰⁷	Shape matching of two-dimensional objects. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1984 , 6, 137-56	13.3	117
3 ⁰⁶	Fusion of color and infrared video for moving human detection. <i>Pattern Recognition</i> , 2007 , 40, 1771-1784	4.7	115
3 ⁰⁵	. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 100-109	11.9	107
3 ⁰⁴	Representation and shape matching of 3-d objects. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1984 , 6, 340-51	13.3	101
3 ⁰³	Probabilistic Feature Relevance Learning for Content-Based Image Retrieval. <i>Computer Vision and Image Understanding</i> , 1999 , 75, 150-164	4.3	83
3 ⁰²	Genetic algorithm based feature selection for target detection in SAR images. <i>Image and Vision Computing</i> , 2003 , 21, 591-608	3.7	79
3 ⁰¹	Integrating face and gait for human recognition at a distance in video. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 1119-37		77
3 ⁰⁰	Fingerprint matching by genetic algorithms. <i>Pattern Recognition</i> , 2006 , 39, 465-477	7.7	70
2 ⁹⁹	Closed-loop object recognition using reinforcement learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1998 , 20, 139-154	13.3	68
2 ⁹⁸	Visual learning by coevolutionary feature synthesis. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 409-25		66

297	Feature fusion of side face and gait for video-based human identification. <i>Pattern Recognition</i> , 2008 , 41, 778-795	7.7	63
296	Recognition of articulated and occluded objects. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1999 , 21, 603-613	13.3	62
295	High-throughput large-area automated identification and quality control of graphene and few-layer graphene films. <i>ACS Nano</i> , 2011 , 5, 914-22	16.7	59
294	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 776-787	6.4	56
293	Evolutionary feature synthesis for facial expression recognition. <i>Pattern Recognition Letters</i> , 2006 , 27, 1289-1298	4.7	56
292	Integrating relevance feedback techniques for image retrieval using reinforcement learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005 , 27, 1536-51	13.3	56
291	Person Re-Identification by Robust Canonical Correlation Analysis. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 1103-1107	3.2	54
290	. <i>IEEE Transactions on Evolutionary Computation</i> , 2007 , 11, 635-650	15.6	50
289	CAD-Based 3D Object Representation for Robot Vision. <i>Computer</i> , 1987 , 20, 19-35	1.6	48
288	Face image super-resolution using 2D CCA. <i>Signal Processing</i> , 2014 , 103, 184-194	4.4	46
287	Efficient recognition of highly similar 3D objects in range images. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2009 , 31, 172-9	13.3	46
286	Semantic Concept Co-Occurrence Patterns for Image Annotation and Retrieval. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 785-99	13.3	44
285	Recognition of occluded objects: A cluster-structure algorithm. <i>Pattern Recognition</i> , 1987 , 20, 199-211	7.7	44
284	Efficient smile detection by Extreme Learning Machine. <i>Neurocomputing</i> , 2015 , 149, 354-363	5.4	43
283	Genetic Learning for Adaptive Image Segmentation 1994 ,		43
282	Reference-based person re-identification 2013 ,		41
281	Facial expression recognition using emotion avatar image 2011 ,		40
280	Sparse representation matching for person re-identification. <i>Information Sciences</i> , 2016 , 355-356, 74-89	7.7	40

279	The specification of distributed sensing and control. <i>Journal of Field Robotics</i> , 1985 , 2, 387-396		39
278	Stochastic models for recognition of occluded targets. <i>Pattern Recognition</i> , 2003 , 36, 2855-2873	7.7	38
277	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1995 , 31, 1268-1291	3.7	37
276	. <i>IEEE Transactions on Affective Computing</i> , 2014 , 5, 418-431	5.7	35
275	Gabor wavelet representation for 3-D object recognition. <i>IEEE Transactions on Image Processing</i> , 1997 , 6, 47-64	8.7	33
274	Object detection in multi-modal images using genetic programming. <i>Applied Soft Computing Journal</i> , 2004 , 4, 175-201	7.5	33
273	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 1090-1103	6.6	32
272	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1990 , 26, 2-11	3.7	32
271	Segmentation of images having unimodal distributions. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1982 , 4, 408-19	13.3	32
270	. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 2132-2143	8	31
269	Improving person re-identification by soft biometrics based reranking 2013 ,		30
268	Automated detection of brain abnormalities in neonatal hypoxia ischemic injury from MR images. <i>Medical Image Analysis</i> , 2014 , 18, 1059-69	15.4	28
267	. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2013 , 3, 155-164	5.2	28
266	An Online Learned Elementary Grouping Model for Multi-target Tracking 2014 ,		27
265	Computational analysis reveals increased blood deposition following repeated mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2012 , 1, 18-28	5.3	27
264	Predicting performance of object recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2000 , 22, 956-969	13.3	27
263	Image super-resolution by extreme learning machine 2012 ,		26
262	Object detection via feature synthesis using MDL-based genetic programming. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 538-47		26

261	Automated ischemic lesion detection in a neonatal model of hypoxic ischemic injury. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 772-81	5.6	25
260	Concepts learning with fuzzy clustering and relevance feedback. <i>Engineering Applications of Artificial Intelligence</i> , 2002 , 15, 123-138	7.2	24
259	. <i>IEEE Sensors Journal</i> , 2011 , 11, 676-687	4	23
258	Recognizing articulated objects in SAR images. <i>Pattern Recognition</i> , 2001 , 34, 469-485	7.7	23
257	Target indexing in SAR images using scattering centers and the Hausdorff distance. <i>Pattern Recognition Letters</i> , 1996 , 17, 1191-1198	4.7	23
256	Active concept learning in image databases. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 450-66		22
255	Contour Matching for 3D Ear Recognition 2005 ,		22
254	A software system for automated identification and retrieval of moth images based on wing attributes. <i>Pattern Recognition</i> , 2016 , 51, 225-241	7.7	21
253	Recognizing target variants and articulations in synthetic aperture radar images. <i>Optical Engineering</i> , 2000 , 39, 712	1.1	21
252	Iris Liveness Detection by Relative Distance Comparisons 2017 ,		20
251	Human Ear Recognition by Computer. <i>Advances in Pattern Recognition</i> , 2008 ,		20
250	Deep Analysis of Mitochondria and Cell Health Using Machine Learning. <i>Scientific Reports</i> , 2018 , 8, 16354.9		20
249	Reflection symmetry-integrated image segmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 1827-41	13.3	19
248	Segmentation of natural scenes. <i>Pattern Recognition</i> , 1987 , 20, 487-496	7.7	19
247	Understanding Dynamic Social Grouping Behaviors of Pedestrians. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2015 , 9, 317-329	7.5	18
246	Reference-Based Scheme Combined With K-SVD for Scene Image Categorization. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 67-70	3.2	17
245	Deep Triplet Embedding Representations for Liveness Detection. <i>Advances in Computer Vision and Pattern Recognition</i> , 2017 , 287-307	1.1	17
244	Long-Term Cross-Session Relevance Feedback Using Virtual Features. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 352-368	4.2	17

243	Uncertain spatial data handling: Modeling, indexing and query. <i>Computers and Geosciences</i> , 2007 , 33, 42-61	4.5	17
242	Performance prediction for individual recognition by gait. <i>Pattern Recognition Letters</i> , 2005 , 26, 615-624	4.7	17
241	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2001 , 37, 316-328	3.7	17
240	Evaluating Cell Processes, Quality, and Biomarkers in Pluripotent Stem Cells Using Video Bioinformatics. <i>PLoS ONE</i> , 2016 , 11, e0148642	3.7	17
239	Soccer: Who Has the Ball? Generating Visual Analytics and Player Statistics 2018 ,		17
238	Latent Fingerprint Image Segmentation Using Deep Neural Network. <i>Advances in Computer Vision and Pattern Recognition</i> , 2017 , 83-107	1.1	16
237	Multitarget Tracking in Nonoverlapping Cameras Using a Reference Set. <i>IEEE Sensors Journal</i> , 2015 , 15, 2692-2704	4	16
236	A system for model-based object recognition in perspective aerial images. <i>Pattern Recognition</i> , 1998 , 31, 465-491	7.7	16
235	A robust two step approach for fingerprint identification. <i>Pattern Recognition Letters</i> , 2003 , 24, 2127-2134	4.7	16
234	Guest Editor's Introduction: CAD-Based Robot Vision. <i>Computer</i> , 1987 , 20, 13-16	1.6	16
233	Predicting fingerprint biometrics performance from a small gallery. <i>Pattern Recognition Letters</i> , 2007 , 28, 40-48	4.7	15
232	Probabilistic Spatial Database Operations. <i>Lecture Notes in Computer Science</i> , 2003 , 140-158	0.9	15
231	Recognition of 3-D objects in range images using a butterfly multiprocessor. <i>Pattern Recognition</i> , 1989 , 22, 49-64	7.7	15
230	VideoWeb Dataset for Multi-camera Activities and Non-verbal Communication 2011 , 335-347		15
229	EDeN: Ensemble of Deep Networks for Vehicle Classification 2017 ,		14
228	2010 ,		14
227	Delayed reinforcement learning for adaptive image segmentation and feature extraction. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 1998 , 28, 482-488		14
226	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1996 , 32, 875-897	3.7	14

225	Concepts Learning with Fuzzy Clustering and Relevance Feedback. <i>Lecture Notes in Computer Science</i> , 2001 , 102-116	0.9	14
224	Human Recognition on Combining Kinematic and Stationary Features. <i>Lecture Notes in Computer Science</i> , 2003 , 600-608	0.9	14
223	Image retrieval with feature selection and relevance feedback 2010 ,		13
222	Recognition of walking humans in 3D: Initial results 2009 ,		13
221	Video bioinformatics analysis of human embryonic stem cell colony growth. <i>Journal of Visualized Experiments</i> , 2010 ,	1.6	13
220	Determining Topology in a Distributed Camera Network 2007 ,		13
219	Exploiting azimuthal variance of scatterers for multiple-look SAR recognition 2002 ,		13
218	2019 ,		13
217	A comparison of techniques for camera selection and handoff in a video network 2009 ,		12
216	3D free-form object recognition in range images using local surface patches 2004 ,		12
215	A Triplet Based Approach for Indexing of Fingerprint Database for Identification. <i>Lecture Notes in Computer Science</i> , 2001 , 205-210	0.9	12
214	Human Recognition at a Distance in Video by Integrating Face Profile and Gait. <i>Lecture Notes in Computer Science</i> , 2005 , 533-543	0.9	11
213	Shape Matching and Image Segmentation Using Stochastic Labeling 1981 ,		11
212	A Psychologically-Inspired Match-Score Fusion Model for Video-Based Facial Expression Recognition. <i>Lecture Notes in Computer Science</i> , 2011 , 341-350	0.9	11
211	Analysis of terrain using multispectral images. <i>Pattern Recognition</i> , 1997 , 30, 197-215	7.7	10
210	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 2382-2394	6.4	9
209	Analysis-by-synthesis: Pedestrian tracking with crowd simulation models in a multi-camera video network. <i>Computer Vision and Image Understanding</i> , 2015 , 134, 48-63	4.3	9
208	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 2226-2239	6.4	9

207	Use of Video Bioinformatics Tools in Stem Cell Toxicology 2014 , 379-402		9
206	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2013 , 14, 1796-1805	6.1	9
205	Automated Classification of Skippers based on Parts Representation. <i>American Entomologist</i> , 2008 , 54, 228-231	0.6	9
204	A study on view-insensitive gait recognition 2005 ,		9
203	Adaptive target recognition. <i>Machine Vision and Applications</i> , 2000 , 11, 289-299	2.8	9
202	Intrinsic characteristics as the interface between CAD and machine vision systems. <i>Pattern Recognition Letters</i> , 1985 , 3, 425-430	4.7	9
201	Words alignment based on association rules for cross-domain sentiment classification. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2018 , 19, 260-272	2.2	8
200	Super resolution for astronomical observations. <i>Astrophysics and Space Science</i> , 2018 , 363, 1	1.6	8
199	SAR object classification using the DAE with a modified triplet restriction. <i>IET Radar, Sonar and Navigation</i> , 2019 , 13, 1081-1091	1.4	8
198	Bio-Driven Cell Region Detection in Human Embryonic Stem Cell Assay. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2014 , 11, 604-11	3	8
197	Symmetry integrated region-based image segmentation 2009 ,		8
196	Functional template-based SAR image segmentation. <i>Pattern Recognition</i> , 2004 , 37, 61-77	7.7	8
195	Computational Algorithms for Fingerprint Recognition 2004 ,		8
194	Local discriminative learning for pattern recognition. <i>Pattern Recognition</i> , 2001 , 34, 139-150	7.7	8
193	Increasing the discrimination of synthetic aperture radar recognition models. <i>Optical Engineering</i> , 2002 , 41, 3298	1.1	8
192	Latent Fingerprint Image Segmentation Using Fractal Dimension Features and Weighted Extreme Learning Machine Ensemble 2016 ,		8
191	Coevolution and Linear Genetic Programming for Visual Learning. <i>Lecture Notes in Computer Science</i> , 2003 , 332-343	0.9	8
190	Automatic cell region detection by k-means with weighted entropy 2013 ,		7

189	On the accuracy and robustness of deep triplet embedding for fingerprint liveness detection 2017,		7
188	2012,		7
187	Automatic symmetry-integrated brain injury detection in MRI sequences 2009,		7
186	Detection of non-dynamic blebbing single unattached Human Embryonic Stem Cells 2012,		7
185	Anomalous activity classification in the distributed camera network 2008,		7
184	Super-Resolved Facial Texture Under Changing Pose and Illumination 2007,		7
183	Learning models for predicting recognition performance 2005,		7
182	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2001 , 37, 876-888	3-7	7
181	Qualitative Motion Understanding 1992,		7
180	Inertial navigation sensor integrated motion analysis for autonomous vehicle navigation. <i>Journal of Field Robotics</i> , 1992 , 9, 817-842		7
179	A new patch selection method based on parsing and saliency detection for person re-identification. <i>Neurocomputing</i> , 2020 , 374, 86-99	5-4	7
178	Background suppressing Gabor energy filtering. <i>Pattern Recognition Letters</i> , 2015 , 52, 40-47	4-7	6
177	Visual and Contextual Modeling for the Detection of Repeated Mild Traumatic Brain Injury. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 11-22	11-7	6
176	Predictive models for multibiometric systems. <i>Pattern Recognition</i> , 2014 , 47, 3779-3792	7-7	6
175	Soft Biometrics Integrated Multi-target Tracking 2014,		6
174	Real-Time Pedestrian Tracking with Bacterial Foraging Optimization 2012,		6
173	Facial emotion recognition with expression energy 2012,		6
172	Age Classification Base on Gait Using HMM 2010,		6

171	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2010 , 11, 423-440	6.1	6
170	Human Embryonic Stem Cell Detection by Spatial Information and Mixture of Gaussians 2011 ,		6
169	Coevolutionary feature synthesized EM algorithm for image retrieval 2005 ,		6
168	Performance Evaluation and Prediction for 3D Ear Recognition. <i>Lecture Notes in Computer Science</i> , 2005 , 748-757	0.9	6
167	VLSI design and implementation of a real-time image segmentation processor. <i>Machine Vision and Applications</i> , 1990 , 3, 21-44	2.8	6
166	Removing Moving Objects from Point Cloud Scenes. <i>Lecture Notes in Computer Science</i> , 2013 , 50-58	0.9	6
165	Dyfusion: Dynamic IR/RGB Fusion for Maritime Vessel Recognition 2018 ,		6
164	DeepHESC 2.0: Deep Generative Multi Adversarial Networks for improving the classification of hESC. <i>PLoS ONE</i> , 2019 , 14, e0212849	3.7	5
163	A dense flow-based framework for real-time object registration under compound motion. <i>Pattern Recognition</i> , 2017 , 63, 279-290	7.7	5
162	Novel representation for driver emotion recognition in motor vehicle videos 2017 ,		5
161	Dynamic low-level context for the detection of mild traumatic brain injury. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 145-53	5	5
160	Zapping Index:Using Smile to Measure Advertisement Zapping Likelihood. <i>IEEE Transactions on Affective Computing</i> , 2014 , 5, 432-444	5.7	5
159	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2014 , 15, 563-578	6.1	5
158	Human Recognition at a Distance in Video. <i>Advances in Computer Vision and Pattern Recognition</i> , 2010 ,	1.1	5
157	Boosting Face Recognition in Real-World Surveillance Videos 2012 ,		5
156	Super-Resolution of Facial Images in Video with Expression Changes 2008 ,		5
155	Model-based recognition of articulated objects. <i>Pattern Recognition Letters</i> , 2002 , 23, 1019-1029	4.7	5
154	Generic object recognition using multiple representations. <i>Image and Vision Computing</i> , 1996 , 14, 323-338		5

153	Multiclass Object Recognition Based on Texture Linear Genetic Programming 2007 , 291-300		5
152	Pose-Guided R-CNN for Jersey Number Recognition in Sports 2019 ,		5
151	[Regular Paper] MVPNNets: Multi-viewing Path Deep Learning Neural Networks for Magnification Invariant Diagnosis in Breast Cancer 2018 ,		5
150	Latent Fingerprint Image Quality Assessment Using Deep Learning 2018 ,		5
149	Computational Analysis: A Bridge to Translational Stroke Treatment 2012 , 881-909		5
148	People Tracking in Camera Networks: Three Open Questions. <i>Computer</i> , 2015 , 48, 78-86	1.6	4
147	Improving action units recognition using dense flow-based face registration in video 2013 ,		4
146	2013 ,		4
145	Auction protocol for camera active control 2010 ,		4
144	VideoWeb: Design of a wireless camera network for real-time monitoring of activities 2009 ,		4
143	Feature synthesized EM algorithm for image retrieval. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2008 , 4, 1-24	3-4	4
142	Hybrid coevolutionary algorithms vs. SVM algorithms 2007 ,		4
141	Feature Synthesis Using Genetic Programming for Face Expression Recognition. <i>Lecture Notes in Computer Science</i> , 2004 , 896-907	0.9	4
140	An Integrated Prediction Model for Biometrics. <i>Lecture Notes in Computer Science</i> , 2005 , 355-364	0.9	4
139	A system for model-based recognition of articulated objects		4
138	Recognizing articulated objects and object articulation in SAR images 1998 ,		4
137	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1994 , 30, 709-721	3-7	4
136	A qualitative approach to dynamic scene understanding. <i>CVGIP Image Understanding</i> , 1991 , 54, 184-205		4

135	Automated spatio-temporal analysis of dendritic spines and related protein dynamics. <i>PLoS ONE</i> , 2017 , 12, e0182958	3.7	4
134	Ensemble learning of model hyperparameters and spatiotemporal data for calibration of low-cost PM sensors. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 6858-6873	2.1	4
133	Defending Black Box Facial Recognition Classifiers Against Adversarial Attacks 2020 ,		4
132	Understanding pollen tube growth dynamics using the Unscented Kalman Filter. <i>Pattern Recognition Letters</i> , 2016 , 72, 100-108	4.7	4
131	Video-based kinetic analysis of calcification in live osteogenic human embryonic stem cell cultures reveals the developmentally toxic effect of Snus tobacco extract. <i>Toxicology and Applied Pharmacology</i> , 2019 , 363, 111-121	4.6	4
130	Improve Transmission by Designing Filters for Image Dehazing 2018 ,		4
129	Patch Based Latent Fingerprint Matching Using Deep Learning 2018 ,		4
128	Learning Features for Object Recognition. <i>Lecture Notes in Computer Science</i> , 2003 , 2227-2239	0.9	4
127	Model-Based Human Recognition 2D and 3D Gait. <i>Advances in Computer Vision and Pattern Recognition</i> , 2010 , 65-94	1.1	4
126	Attributes co-occurrence pattern mining for video-based person re-identification 2017 ,		3
125	Dynamic bi-modal fusion of images for the segmentation of pollen tubes in video 2015 ,		3
124	Improving bag-of-words scheme for scene categorization. <i>Journal of China Universities of Posts and Telecommunications</i> , 2012 , 19, 166-171		3
123	Automated identification and retrieval of moth images with semantically related visual attributes on the wings 2013 ,		3
122	Improving large-scale face image retrieval using multi-level features 2013 ,		3
121	Tracking pedestrians with bacterial foraging optimization swarms 2011 ,		3
120	Large-Scale Automated Identification and Quality Control of Exfoliated and CVD Graphene via Image Processing Technique. <i>ECS Transactions</i> , 2010 , 33, 201-209	1	3
119	3D Human Body Modeling Using Range Data 2010 ,		3
118	Symmetry-integrated injury detection for brain MRI 2009 ,		3

117	Task-oriented camera assignment in a video network 2009 ,		3
116	Continuous Learning of a Multilayered Network Topology in a Video Camera Network. <i>Eurasip Journal on Image and Video Processing</i> , 2009 , 2009, 1-19	2.5	3
115	Face recognition in video with closed-loop super-resolution 2011 ,		3
114	A biologically inspired approach for fusing facial expression and appearance for emotion recognition 2012 ,		3
113	Performance characterization of a model-based SAR target recognition system using invariants 1997 , 3070, 305		3
112	How current BNs fail to represent evolvable pattern recognition problems and a proposed solution 2008 ,		3
111	Synthesizing feature agents using evolutionary computation. <i>Pattern Recognition Letters</i> , 2004 , 25, 1519-1531	4.7	3
110	Independent feature analysis for image retrieval. <i>Pattern Recognition Letters</i> , 2001 , 22, 63-74	4.7	3
109	Performance modeling of feature-based classification in SAR imagery 1998 ,		3
108	Learning to Perceive Objects for Autonomous Navigation. <i>Autonomous Robots</i> , 1999 , 6, 187-201	3	3
107	Approximation of displacement fields using wavefront region growing. <i>Computer Vision, Graphics, and Image Processing</i> , 1988 , 41, 306-322		3
106	Fine-Grained Visual Dribbling Style Analysis for Soccer Videos With Augmented Dribble Energy Image 2019 ,		3
105	An Automated System for Generating Tactical Performance Statistics for Individual Soccer Players From Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 632-646	6.4	3
104	Extraction of Blebs in Human Embryonic Stem Cell Videos. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2016 , 13, 678-88	3	2
103	Context guided belief propagation for remote sensing image classification. <i>Applied Optics</i> , 2015 , 54, 3372-82	0.2	2
102	Segmentation of Pollen Tube Growth Videos Using Dynamic Bi-Modal Fusion and Seam Carving. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 1993-2004	8.7	2
101	Context-aware reinforcement learning for re-identification in a video network 2013 ,		2
100	Tracking People by Evolving Social Groups: An Approach with Social Network Perspective 2015 ,		2

99	Live Imaging and Video Bioinformatics. <i>Computational Biology</i> , 2015 , 3-12	0.7	2
98	Guest Editorial Special Issue on Facial Biometrics in the Wild. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 2019-2023	8	2
97	Multi-camera Pedestrian Tracking using Group Structure 2014 ,		2
96	Integrated Model for Understanding Pollen Tube Growth in Video 2014 ,		2
95	Unified Face Representation for Individual Recognition in Surveillance Videos. <i>Augmented Vision and Reality</i> , 2014 , 123-136		2
94	Soft-Biometrics and Reference Set Integrated Model for Tracking Across Cameras 2014 , 211-230		2
93	Optimizing crowd simulation based on real video data 2013 ,		2
92	Improved image super-resolution by Support Vector Regression 2011 ,		2
91	Vehicle logo super-resolution by canonical correlation analysis 2012 ,		2
90	Semantic-visual concept relatedness and co-occurrences for image retrieval 2012 ,		2
89	ORACLE: An Integrated Learning Approach for Object Recognition. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1997 , 11, 961-990	1.1	2
88	Composite class models for SAR recognition 2003 , 5095, 284		2
87	Hierarchical multi-sensor image registration using evolutionary computation 2005 ,		2
86	Validation of SAR ATR performance prediction using learned distortion models 2000 ,		2
85	3-D model building for computer vision. <i>Pattern Recognition Letters</i> , 1987 , 5, 349-356	4.7	2
84	Evaluation Of Automatic Target Recognition Algorithms 1984 , 0435, 18		2
83	Recognition of walking humans in 3D: Initial results 2009 ,		2
82	Human Recognition at a Distance in Video by Integrating Face Profile and Gait 2007 , 165-181		2

81	Generic object recognition using multiple representations 1996 , 14, 323-323		2
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