Bir Bhanu

List of Publications by Year in Descending Order

314 papers	6,082 citations	38 h-index	70 g-index
402 ext. papers	7,265 ext. citations	4.4 avg, IF	6.24 L-index

#	Paper	IF	Citations
314	Unbiased Spatio-Temporal Representation with Uncertainty Control for Person Re-identification. *IEEE Transactions on Cognitive and Developmental Systems*, **2022**, 1-1	3	0
313	A Machine Learning-Based Ensemble Framework for Forecasting PM2.5 Concentrations in Puli, Taiwan. *Applied Sciences (Switzerland)*, **2022**, 12, 2484	2.6	0
312	Multi-level cross-view consistent feature learning for person re-identification. *Neurocomputing*, **2021**, 435, 1-14	5.4	2
311	An Automated System for Generating Tactical Performance Statistics for Individual Soccer Players From Videos. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 31, 632-646	6.4	3
310	Fast Region-Adaptive Defogging and Enhancement for Outdoor Images Containing Sky **2021**,		1
309	Video-based calcification assay: A novel method for kinetic analysis of osteogenesis in live cultures. *MethodsX*, **2021**, 8, 101265	1.9	0
308	Defending Black Box Facial Recognition Classifiers Against Adversarial Attacks **2020**,		4
307	Physical Features and Deep Learning-based Appearance Features for Vehicle Classification from Rear View Videos. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 21, 1096-1108	6.1	2
306	A new patch selection method based on parsing and saliency detection for person re-identification. *Neurocomputing*, **2020**, 374, 86-99	5.4	7
305	DeephESC 2.0: Deep Generative Multi Adversarial Networks for improving the classification of hESC. *PLoS ONE*, **2019**, 14, e0212849	3.7	5
304	SAR object classification using the DAE with a modified triplet restriction. *IET Radar, Sonar and Navigation*, **2019**, 13, 1081-1091	1.4	8
303	Ensemble learning of model hyperparameters and spatiotemporal data for calibration of low-cost PM sensors. *Mathematical Biosciences and Engineering*, **2019**, 16, 6858-6873	2.1	4
302	Pose-Guided R-CNN for Jersey Number Recognition in Sports **2019**,		5
301	Fine-Grained Visual Dribbling Style Analysis for Soccer Videos With Augmented Dribble Energy Image **2019**,		3
300	**2019**,		13
299	Video-based kinetic analysis of calcification in live osteogenic human embryonic stem cell cultures reveals the developmentally toxic effect of Snus tobacco extract. *Toxicology and Applied Pharmacology*, **2019**, 363, 111-121	4.6	4
298	Words alignment based on association rules for cross-domain sentiment classification. *Frontiers of Information Technology and Electronic Engineering*, **2018**, 19, 260-272	2.2	8

297	Super resolution for astronomical observations. *Astrophysics and Space Science*, **2018**, 363, 1	1.6	8
296	Soccer: Who Has the Ball? Generating Visual Analytics and Player Statistics **2018**,		17
295	[Regular Paper] MVPNets: Multi-viewing Path Deep Learning Neural Networks for Magnification Invariant Diagnosis in Breast Cancer **2018**,		5
294	Multi-label Classification of Stem Cell Microscopy Images Using Deep Learning **2018**,		2
293	Latent Fingerprint Image Quality Assessment Using Deep Learning **2018**,		5
292	Improve Transmission by Designing Filters for Image Dehazing **2018**,		4
291	Deep Analysis of Mitochondria and Cell Health Using Machine Learning. *Scientific Reports*, **2018**, 8, 16354	4.9	20
290	DeephESC: An Automated System for Generating and Classification of Human Embryonic Stem Cells **2018**,		2
289	HESCNET: A Synthetically Pre-Trained Convolutional Neural Network for Human Embryonic Stem Cell Colony Classification **2018**,		1
288	DeepDriver: Automated System For measuring Valence and Arousal in Car Driver Videos **2018**,		2
287	Dyfusion: Dynamic IR/RGB Fusion for Maritime Vessel Recognition **2018**,		6
286	Deepagent: An Algorithm Integration Approach for Person Re-Identification **2018**,		2
285	An Unbiased Temporal Representation for Video-Based Person Re-Identification **2018**,		1
284	Patch Based Latent Fingerprint Matching Using Deep Learning **2018**,		4
283	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2017**, 27, 2382-2394	6.4	9
282	Iris Liveness Detection by Relative Distance Comparisons **2017**,		20
281	EDeN: Ensemble of Deep Networks for Vehicle Classification **2017**,		14
280	Deep Triplet Embedding Representations for Liveness Detection. *Advances in Computer Vision and Pattern Recognition*, **2017**, 287-307	1.1	17

279	Latent Fingerprint Image Segmentation Using Deep Neural Network. *Advances in Computer Vision and Pattern Recognition*, **2017**, 83-107	1.1	16
278	A dense flow-based framework for real-time object registration under compound motion. *Pattern Recognition*, **2017**, 63, 279-290	7.7	5
277	Attributes co-occurrence pattern mining for video-based person re-identification **2017**,		3
276	Novel representation for driver emotion recognition in motor vehicle videos **2017**,		5
275	On the accuracy and robustness of deep triplet embedding for fingerprint liveness detection **2017**,		7
274	Automated spatio-temporal analysis of dendritic spines and related protein dynamics. *PLoS ONE*, **2017**, 12, e0182958	3.7	4
273	Extraction of Blebs in Human Embryonic Stem Cell Videos. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2016**, 13, 678-88	3	2
272	Semantic Concept Co-Occurrence Patterns for Image Annotation and Retrieval. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2016**, 38, 785-99	13.3	44
271	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2016**, 26, 776-787	6.4	56
270	Spatio-temporal pattern recognition of dendritic spines and protein dynamics using live multichannel fluorescence microscopy **2016**,		1
269	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2016**, 26, 2226-2239	6.4	9
268	Segmentation of Pollen Tube Growth Videos Using Dynamic Bi-Modal Fusion and Seam Carving. *IEEE Transactions on Image Processing*, **2016**, 25, 1993-2004	8.7	2
267	A software system for automated identification and retrieval of moth images based on wing attributes. *Pattern Recognition*, **2016**, 51, 225-241	7.7	21
266	Evaluating Cell Processes, Quality, and Biomarkers in Pluripotent Stem Cells Using Video Bioinformatics. *PLoS ONE*, **2016**, 11, e0148642	3.7	17
265	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2016**, 1-1	6.4	2
264	Latent Fingerprint Image Segmentation Using Fractal Dimension Features and Weighted Extreme Learning Machine Ensemble **2016**,		8
263	Modeling and Classifying Tip Dynamics of Growing Cells in Video. *IEEE Signal Processing Letters*, **2016**, 23, 1369-1373	3.2	0
262	Understanding pollen tube growth dynamics using the Unscented Kalman Filter. *Pattern Recognition Letters*, **2016**, 72, 100-108	4.7	4

243	Video Bioinformatics Databases and Software. *Computational Biology*, **2015**, 313-328	0.7	
242	Quantitative Analyses Using Video Bioinformatics and Image Analysis Tools During Growth and Development in the Multicellular Fungus Neurospora crassa. *Computational Biology*, **2015**, 237-250	0.7	
241	High- and Low-Level Contextual Modeling for the Detection of Mild Traumatic Brain Injury. *Computational Biology*, **2015**, 59-76	0.7	
240	Bio-Inspired Segmentation and Detection Methods for Human Embryonic Stem Cells. *Computational Biology*, **2015**, 135-150	0.7	
239	. *IEEE Transactions on Multimedia*, **2014**, 16, 1090-1103	6.6	32
238	Automated detection of brain abnormalities in neonatal hypoxia ischemic injury from MR images. *Medical Image Analysis*, **2014**, 18, 1059-69	15.4	28
237	. *IEEE Transactions on Information Forensics and Security*, **2014**, 9, 2132-2143	8	31
236	An Online Learned Elementary Grouping Model for Multi-target Tracking **2014**,		27
235	. *IEEE Transactions on Affective Computing*, **2014**, 5, 418-431	5.7	35
234	Use of Video Bioinformatics Tools in Stem Cell Toxicology **2014**, 379-402		9
233	Visual and Contextual Modeling for the Detection of Repeated Mild Traumatic Brain Injury. *IEEE Transactions on Medical Imaging*, **2014**, 33, 11-22	11.7	6
232	Face image super-resolution using 2D CCA. *Signal Processing*, **2014**, 103, 184-194	4.4	46
231	Predictive models for multibiometric systems. *Pattern Recognition*, **2014**, 47, 3779-3792	7.7	6
230	Soft Biometrics Integrated Multi-target Tracking **2014**,		6
229	Guest Editorial Special Issue on Facial Biometrics in the Wild. *IEEE Transactions on Information Forensics and Security*, **2014**, 9, 2019-2023	8	2
228	Comparison of texture features for human embryonic stem cells with bio-inspired multi-class support vector machine **2014**,		1
227	Multi-camera Pedestrian Tracking using Group Structure **2014**,		2
226	Zapping Index:Using Smile to Measure Advertisement Zapping Likelihood. *IEEE Transactions on Affective Computing*, **2014**, 5, 432-444	5.7	5

225	Integrated Model for Understanding Pollen Tube Growth in Video **2014**,		2
224	Bio-Driven Cell Region Detection in Human Embryonic Stem Cell Assay. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2014**, 11, 604-11	3	8
223	Unified Face Representation for Individual Recognition in Surveillance Videos. *Augmented Vision and Reality*, **2014**, 123-136		2
222	Soft-Biometrics and Reference Set Integrated Model for Tracking Across Cameras **2014**, 211-230		2
221	. *IEEE Transactions on Intelligent Transportation Systems*, **2014**, 15, 563-578	6.1	5
220	Exploiting Crowd Synthesis for Multi-camera Human Tracking **2014**, 283-298		
219	Improving action units recognition using dense flow-based face registration in video **2013**,		4
218	Learning small gallery size for prediction of recognition performance on large populations. *Pattern Recognition*, **2013**, 46, 3533-3547	7.7	
217	Context-aware reinforcement learning for re-identification in a video network **2013**,		2
216	Automatic cell region detection by k-means with weighted entropy **2013**,		7
215	Improving person re-identification by soft biometrics based reranking **2013**,		30
214	. *IEEE Transactions on Intelligent Transportation Systems*, **2013**, 14, 1796-1805	6.1	9
213	Reference-Based Scheme Combined With K-SVD for Scene Image Categorization. *IEEE Signal Processing Letters*, **2013**, 20, 67-70	3.2	17
212	. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2013**, 3, 155-164	5.2	28
211	MFSC: A new shape descriptor with robustness to deformations **2013**,		1
210	Optimizing crowd simulation based on real video data **2013**,		2
209	Reference-based person re-identification **2013**,		41
208	Automated identification and retrieval of moth images with semantically related visual attributes on the wings **2013**,		3

207	**2013**,		4
206	Improving large-scale face image retrieval using multi-level features **2013**,		3
205	Representative reference-set and betweenness centrality for scene image categorization **2013**,		1
204	Removing Moving Objects from Point Cloud Scenes. *Lecture Notes in Computer Science*, **2013**, 50-58	0.9	6
203	. *IEEE Transactions on Industrial Informatics*, **2012**, 8, 100-109	11.9	107
202	Computational analysis reveals increased blood deposition following repeated mild traumatic brain injury. *NeuroImage: Clinical*, **2012**, 1, 18-28	5.3	27
201	**2012**,		7
200	Reflection symmetry-integrated image segmentation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2012**, 34, 1827-41	13.3	19
199	Real-Time Pedestrian Tracking with Bacterial Foraging Optimization **2012**,		6
198	Image super-resolution by extreme learning machine **2012**,		26
197	Facial emotion recognition with expression energy **2012**,		6
196	Improving bag-of-words scheme for scene categorization. *Journal of China Universities of Posts and Telecommunications*, **2012**, 19, 166-171		3
195	Detection of non-dynamic blebbing single unattached Human Embryonic Stem Cells **2012**,		7
194	Vehicle logo super-resolution by canonical correlation analysis **2012**,		2
193	A biologically inspired approach for fusing facial expression and appearance for emotion recognition **2012**,		3
192	Codebook optimization using word activation forces for scene categorization **2012**,		1
191	Boosting Face Recognition in Real-World Surveillance Videos **2012**,		5
190	Semantic-visual concept relatedness and co-occurrences for image retrieval **2012**,		2

189	Computational Analysis: A Bridge to Translational Stroke Treatment **2012**, 881-909		5
188	Large-Area Industrial-Scale Identification and Quality Control of Graphene. *Materials Research Society Symposia Proceedings*, **2011**, 1344, 1		
187	Tracking pedestrians with bacterial foraging optimization swarms **2011**,		3
186	. *IEEE Sensors Journal*, **2011**, 11, 676-687	4	23
185	Automated ischemic lesion detection in a neonatal model of hypoxic ischemic injury. *Journal of Magnetic Resonance Imaging*, **2011**, 33, 772-81	5.6	25
184	Human Embryonic Stem Cell Detection by Spatial Information and Mixture of Gaussians **2011**,		6
183	Facial expression recognition using emotion avatar image **2011**,		40
182	High-throughput large-area automated identification and quality control of graphene and few-layer graphene films. *ACS Nano*, **2011**, 5, 914-22	16.7	59
181	Improved image super-resolution by Support Vector Regression **2011**,		2
180	Face recognition in video with closed-loop super-resolution **2011**,		3
179	A Psychologically-Inspired Match-Score Fusion Model for Video-Based Facial Expression Recognition. *Lecture Notes in Computer Science*, **2011**, 341-350	0.9	11
178	A Comparison of Techniques for Camera Selection and Hand-Off in a Video Network **2011**, 69-83		1
177	Bargaining Strategies for Camera Selection in a Video Network. *Wireless Networks and Mobile Communications*, **2011**, 357-375		
176	AUCTION-BASED DYNAMIC CAMERA GROUPING WITH ACTIVE CONTROL. *Series in Computer Vision*, **2011**, 357-375		
175	VideoWeb: Optimizing a Wireless Camera Network for Real-time Surveillance **2011**, 321-334		1
174	VideoWeb Dataset for Multi-camera Activities and Non-verbal Communication **2011**, 335-347		15
173	Large-Scale Automated Identification and Quality Control of Exfoliated and CVD Graphene via Image Processing Technique. *ECS Transactions*, **2010**, 33, 201-209	1	3
172	Image retrieval with feature selection and relevance feedback **2010**,		13

171	3D Human Body Modeling Using Range Data **2010**,		3
170	Age Classification Base on Gait Using HMM **2010**,		6
169	Design and Optimization of the VideoWeb Wireless Camera Network. *Eurasip Journal on Image and Video Processing*, **2010**, 2010, 1-13	2.5	
168	Auction protocol for camera active control **2010**,		4
167	Human Recognition at a Distance in Video. *Advances in Computer Vision and Pattern Recognition*, **2010**,	1.1	5
166	Model-Free Gait-Based Human Recognition in Video. *Advances in Computer Vision and Pattern Recognition*, **2010**, 25-56	1.1	
165	**2010**,		14
164	. *IEEE Transactions on Intelligent Transportation Systems*, **2010**, 11, 423-440	6.1	6
163	Video bioinformatics analysis of human embryonic stem cell colony growth. *Journal of Visualized Experiments*, **2010**,	1.6	13
162	Feature Level Fusion of Face and Gait at a Distance. *Advances in Computer Vision and Pattern Recognition*, **2010**, 209-232	1.1	
161	Match Score Level Fusion of Face and Gait at a Distance. *Advances in Computer Vision and Pattern Recognition*, **2010**, 185-207	1.1	
160	Fusion of Color/Infrared Video for Human Detection. *Advances in Computer Vision and Pattern Recognition*, **2010**, 95-114	1.1	
159	Super-Resolution of Facial Images in Video at a Distance. *Advances in Computer Vision and Pattern Recognition*, **2010**, 117-148	1.1	
158	Evaluating Quality of Super-Resolved Face Images. *Advances in Computer Vision and Pattern Recognition*, **2010**, 149-164	1.1	
157	Activity and Individual Human Recognition in Infrared Imagery **2010**, 224-236		1
156	Gait Representations in Video. *Advances in Computer Vision and Pattern Recognition*, **2010**, 13-24	1.1	
155	Integrating Face Profile and Gait at a Distance. *Advances in Computer Vision and Pattern Recognition*, **2010**, 167-184	1.1	
154	Discrimination Analysis for Model-Based Gait Recognition. *Advances in Computer Vision and Pattern Recognition*, **2010**, 57-64	1.1	

153	Multimodal Biometrics Fusion for Human Recognition in Video **2010**, 414-447		
152	Model-Based Human Recognition 2D and 3D Gait. *Advances in Computer Vision and Pattern Recognition*, **2010**, 65-94	1.1	4
151	Symmetry-integrated injury detection for brain MRI **2009**,		3
150	Symmetry integrated region-based image segmentation **2009**,		8
149	Task-oriented camera assignment in a video network **2009**,		3
148	Multi-object tracking in non-stationary video using bacterial foraging swarms **2009**,		1
147	A comparison of techniques for camera selection and handoff in a video network **2009**,		12
146	Continuous Learning of a Multilayered Network Topology in a Video Camera Network. *Eurasip Journal on Image and Video Processing*, **2009**, 2009, 1-19	2.5	3
145	VideoWeb: Design of a wireless camera network for real-time monitoring of activities **2009**,		4
144	Automatic symmetry-integrated brain injury detection in MRI sequences **2009**,		7
143	Recognition of walking humans in 3D: Initial results **2009**,		13
142	Efficient recognition of highly similar 3D objects in range images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2009**, 31, 172-9	13.3	46
141	Recognition of walking humans in 3D: Initial results **2009**,		2
140	Dynamic Camera Assignment and Handoff **2009**, 333-357		
139	Utility-based dynamic camera assignment and hand-off in a video network **2008**,		1
138	Super-Resolution of Facial Images in Video with Expression Changes **2008**,		5
137	Human Ear Recognition by Computer. *Advances in Pattern Recognition*, **2008**,		20
136	How current BNs fail to represent evolvable pattern recognition problems and a proposed solution **2008**,		3

135	Feature synthesized EM algorithm for image retrieval. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2008**, 4, 1-24	3.4	4
134	Long-Term Cross-Session Relevance Feedback Using Virtual Features. *IEEE Transactions on Knowledge and Data Engineering*, **2008**, 20, 352-368	4.2	17
133	Bayesian based 3D shape reconstruction from video **2008**,		1
132	Anomalous activity classification in the distributed camera network **2008**,		7
131	Automated Classification of Skippers based on Parts Representation. *American Entomologist*, **2008**, 54, 228-231	0.6	9
130	Fingerprint Identification **2008**, 1		0
129	Feature fusion of side face and gait for video-based human identification. *Pattern Recognition*, **2008**, 41, 778-795	7.7	63
128	3D free-form object recognition in range images using local surface patches. *Pattern Recognition Letters*, **2007**, 28, 1252-1262	4.7	272
127	Uncertain spatial data handling: Modeling, indexing and query. *Computers and Geosciences*, **2007**, 33, 42-61	4.5	17
126	Fusion of color and infrared video for moving human detection. *Pattern Recognition*, **2007**, 40, 1771-1784	7.7	115
125	Predicting fingerprint biometrics performance from a small gallery. *Pattern Recognition Letters*, **2007**, 28, 40-48	4.7	15
124	Hybrid coevolutionary algorithms vs. SVM algorithms **2007**,		4
123	Determining Topology in a Distributed Camera Network **2007**,		13
122	Super-Resolved Facial Texture Under Changing Pose and Illumination **2007**,		7
121	Human ear recognition in 3D. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2007**, 29, 718-37	13.3	190
120	Integrating face and gait for human recognition at a distance in video. *IEEE Transactions on Systems, Man, and Cybernetics*, **2007**, 37, 1119-37		77
119	. *IEEE Transactions on Evolutionary Computation*, **2007**, 11, 635-650	15.6	50
118	Multiclass Object Recognition Based on Texture Linear Genetic Programming **2007**, 291-300		5

117	Human Recognition at a Distance in Video by Integrating Face Profile and Gait **2007**, 165-181		2
116	Fingerprint matching by genetic algorithms. *Pattern Recognition*, **2006**, 39, 465-477	7.7	70
115	Evolutionary feature synthesis for facial expression recognition. *Pattern Recognition Letters*, **2006**, 27, 1289-1298	4.7	56
114	Individual recognition using gait energy image. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2006**, 28, 316-22	13.3	1049
113	Evolutionary Sensor Fusion for Security. *Advanced Sciences and Technologies for Security Applications*, **2006**, 245-269	0.6	
112	Integrating relevance feedback techniques for image retrieval using reinforcement learning. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2005**, 27, 1536-51	13.3	56
111	Visual learning by coevolutionary feature synthesis. *IEEE Transactions on Systems, Man, and Cybernetics*, **2005**, 35, 409-25		66
110	Active concept learning in image databases. *IEEE Transactions on Systems, Man, and Cybernetics*, **2005**, 35, 450-66		22
109	Object detection via feature synthesis using MDL-based genetic programming. *IEEE Transactions on Systems, Man, and Cybernetics*, **2005**, 35, 538-47		26
108	A study on view-insensitive gait recognition **2005**,		9
107	Contour Matching for 3D Ear Recognition **2005**,		22
106	Gait Recognition by Combining Classifiers Based on Environmental Contexts. *Lecture Notes in Computer Science*, **2005**, 416-425	0.9	1
105	Performance prediction for individual recognition by gait. *Pattern Recognition Letters*, **2005**, 26, 615-624	4.7	17
104	A Theoretical Framework for Predicting Performance of Object Recognition **2005**, 1-37		
103	An Integrated Prediction Model for Biometrics. *Lecture Notes in Computer Science*, **2005**, 355-364	0.9	4
102	Human Recognition at a Distance in Video by Integrating Face Profile and Gait. *Lecture Notes in Computer Science*, **2005**, 533-543	0.9	11
101	Hierarchical multi-sensor image registration using evolutionary computation **2005**,		2
100	Coevolutionary feature synthesized EM algorithm for image retrieval **2005**,		6

99	Learning models for predicting recognition performance **2005**,		7
98	Performance Evaluation and Prediction for 3D Ear Recognition. *Lecture Notes in Computer Science*, **2005**, 748-757	0.9	6
97	Methods for Improving the Performance of an SAR Recognition System **2005**, 39-69		1
96	3D free-form object recognition in range images using local surface patches **2004**,		12
95	Functional template-based SAR image segmentation. *Pattern Recognition*, **2004**, 37, 61-77	7.7	8
94	Synthesizing feature agents using evolutionary computation. *Pattern Recognition Letters*, **2004**, 25, 1519-1531	4.7	3
93	Object detection in multi-modal images using genetic programming. *Applied Soft Computing Journal*, **2004**, 4, 175-201	7.5	33
92	Feature Synthesis Using Genetic Programming for Face Expression Recognition. *Lecture Notes in Computer Science*, **2004**, 896-907	0.9	4
91	Computational Algorithms for Fingerprint Recognition **2004**,		8
90	Physical models for moving shadow and object detection in video. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2004**, 26, 1079-87	13.3	133
89	MULTIPLE LOOK ANGLE SAR RECOGNITION. *International Journal of Image and Graphics*, **2004**, 04, 85-98	0.5	1
88	Cooperative Coevolution Fusion for Moving Object Detection. *Lecture Notes in Computer Science*, **2004**, 587-589	0.9	
87	Performance modeling of vote-based object recognition **2003**,		1
86	Composite class models for SAR recognition **2003**, 5095, 284		2
85	Probabilistic Spatial Database Operations. *Lecture Notes in Computer Science*, **2003**, 140-158	0.9	15
84	Genetic algorithm based feature selection for target detection in SAR images. *Image and Vision Computing*, **2003**, 21, 591-608	3.7	79
83	A robust two step approach for fingerprint identification. *Pattern Recognition Letters*, **2003**, 24, 2127-2134	4.7	16
82	Stochastic models for recognition of occluded targets. *Pattern Recognition*, **2003**, 36, 2855-2873	7.7	38

81	Fingerprint indexing based on novel features of minutiae triplets. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2003**, 25, 616-622	13.3	149
80	MDL-based Genetic Programming for Object Detection **2003**,		1
79	Coevolutionary Feature Learning for Object Recognition **2003**, 224-238		0
78	Stochastic Recognition of Occluded Objects. *Combinatorial Optimization*, **2003**, 73-103		1
77	Learning-integrated Interactive Image Segmentation. *Natural Computing Series*, **2003**, 863-895	2.5	1
76	Learning Features for Fingerprint Classification. *Lecture Notes in Computer Science*, **2003**, 318-326	0.9	2
75	Human Recognition on Combining Kinematic and Stationary Features. *Lecture Notes in Computer Science*, **2003**, 600-608	0.9	14
74	Coevolution and Linear Genetic Programming for Visual Learning. *Lecture Notes in Computer Science*, **2003**, 332-343	0.9	8
73	Learning Features for Object Recognition. *Lecture Notes in Computer Science*, **2003**, 2227-2239	0.9	4
72	Concepts learning with fuzzy clustering and relevance feedback. *Engineering Applications of Artificial Intelligence*, **2002**, 15, 123-138	7.2	24
71	Model-based recognition of articulated objects. *Pattern Recognition Letters*, **2002**, 23, 1019-1029	4.7	5
70	Increasing the discrimination of synthetic aperture radar recognition models. *Optical Engineering*, **2002**, 41, 3298	1.1	8
69	Exploiting azimuthal variance of scatterers for multiple-look SAR recognition **2002**,		13
68	Independent feature analysis for image retrieval. *Pattern Recognition Letters*, **2001**, 22, 63-74	4.7	3
67	Local discriminative learning for pattern recognition. *Pattern Recognition*, **2001**, 34, 139-150	7.7	8
66	Recognizing articulated objects in SAR images. *Pattern Recognition*, **2001**, 34, 469-485	7.7	23
65	A Triplet Based Approach for Indexing of Fingerprint Database for Identification. *Lecture Notes in Computer Science*, **2001**, 205-210	0.9	12
64	. *IEEE Transactions on Aerospace and Electronic Systems*, **2001**, 37, 876-888	3.7	7

No.	Title		
63	*. IEEE Transactions on Aerospace and Electronic Systems*, **2001**, 37, 316-328	3.7	17
62	Concepts Learning with Fuzzy Clustering and Relevance Feedback. *Lecture Notes in Computer Science*, **2001**, 102-116	0.9	14
61	Validation of SAR ATR performance prediction using learned distortion models **2000**,		2
60	Special issue on computer vision beyond the visible spectrum. *Machine Vision and Applications*, **2000**, 11, 265-266	2.8	
59	Adaptive target recognition. *Machine Vision and Applications*, **2000**, 11, 289-299	2.8	9
58	Recognizing target variants and articulations in synthetic aperture radar images. *Optical Engineering*, **2000**, 39, 712	1.1	21
57	Predicting performance of object recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2000**, 22, 956-969	13.3	27
56	Stochastic Models for Recognition of Occluded Objects. *Lecture Notes in Computer Science*, **2000**, 560-570	0.9	
55	Learning to Perceive Objects for Autonomous Navigation. *Autonomous Robots*, **1999**, 6, 187-201	3	3
54	Probabilistic Feature Relevance Learning for Content-Based Image Retrieval. *Computer Vision and Image Understanding*, **1999**, 75, 150-164	4.3	83
53	Recognition of articulated and occluded objects. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1999**, 21, 603-613	13.3	62
52	Independent Feature Analysis for Image Retrieval. *Lecture Notes in Computer Science*, **1999**, 103-115	0.9	
51	Database-Retrieval Oriented Approach for Model-Based Object Recognition **1999**, 23-32		
50	A system for model-based object recognition in perspective aerial images. *Pattern Recognition*, **1998**, 31, 465-491	7.7	16
49	Closed-loop object recognition using reinforcement learning. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1998**, 20, 139-154	13.3	68
48	Delayed reinforcement learning for adaptive image segmentation and feature extraction. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **1998**, 28, 482-488		14
47	Performance modeling of feature-based classification in SAR imagery **1998**,		3
46	Pattern classification based on local learning. *Lecture Notes in Computer Science*, **1998**, 882-889	0.9	

45	Recognizing articulated objects and object articulation in SAR images **1998**,		4
44	ORACLE: An Integrated Learning Approach for Object Recognition. *International Journal of Pattern Recognition and Artificial Intelligence*, **1997**, 11, 961-990	1.1	2
43	Performance characterization of a model-based SAR target recognition system using invariants **1997**, 3070, 305		3
42	Gabor wavelet representation for 3-D object recognition. *IEEE Transactions on Image Processing*, **1997**, 6, 47-64	8.7	33
41	Analysis of terrain using multispectral images. *Pattern Recognition*, **1997**, 30, 197-215	7.7	10
40	*. IEEE Transactions on Aerospace and Electronic Systems*, **1996**, 32, 875-897	3.7	14
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