

# Bir Bhanu

## List of Publications by Year in descending order

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367  
papers

8,475  
citations

81839

39  
h-index

64755

79  
g-index

402  
all docs

402  
docs citations

402  
times ranked

5122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Individual recognition using gait energy image. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 316-322.	9.7	1,432
2	3D free-form object recognition in range images using local surface patches. Pattern Recognition Letters, 2007, 28, 1252-1262.	2.6	374
3	Automatic Target Recognition: State of the Art Survey. IEEE Transactions on Aerospace and Electronic Systems, 1986, AES-22, 364-379.	2.6	331
4	Human Ear Recognition in 3D. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 718-737.	9.7	251
5	Physical models for moving shadow and object detection in video. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 1079-1087.	9.7	209
6	Adaptive image segmentation using a genetic algorithm. IEEE Transactions on Systems, Man, and Cybernetics, 1995, 25, 1543-1567.	0.9	198
7	Fingerprint indexing based on novel features of minutiae triplets. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 616-622.	9.7	196
8	Fusion of color and infrared video for moving human detection. Pattern Recognition, 2007, 40, 1771-1784.	5.1	162
9	Shape Matching of Two-Dimensional Objects. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1984, PAMI-6, 137-156.	9.7	156
10	Dynamic Bayesian Networks for Vehicle Classification in Video. IEEE Transactions on Industrial Informatics, 2012, 8, 100-109.	7.2	140
11	Representation and Shape Matching of 3-D Objects. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1984, PAMI-6, 340-351.	9.7	135
12	Probabilistic Feature Relevance Learning for Content-Based Image Retrieval. Computer Vision and Image Understanding, 1999, 75, 150-164.	3.0	115
13	Genetic algorithm based feature selection for target detection in SAR images. Image and Vision Computing, 2003, 21, 591-608.	2.7	103
14	Integrating Face and Gait for Human Recognition at a Distance in Video. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1119-1137.	5.5	94
15	Closed-loop object recognition using reinforcement learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1998, 20, 139-154.	9.7	89
16	Visual Learning by Coevolutionary Feature Synthesis. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 409-425.	5.5	87
17	Fingerprint matching by genetic algorithms. Pattern Recognition, 2006, 39, 465-477.	5.1	82
18	Feature fusion of side face and gait for video-based human identification. Pattern Recognition, 2008, 41, 778-795.	5.1	81

#	ARTICLE	IF	CITATIONS
19	Recognition of articulated and occluded objects. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 603-613.	9.7	79
20	Integrating relevance feedback techniques for image retrieval using reinforcement learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1536-1551.	9.7	73
21	Genetic Learning for Adaptive Image Segmentation. , 1994, , .		69
22	High-Throughput Large-Area Automated Identification and Quality Control of Graphene and Few-Layer Graphene Films. ACS Nano, 2011, 5, 914-922.	7.3	69
23	The specification of distributed sensing and control. Journal of Field Robotics, 1985, 2, 387-396.	0.7	67
24	Person Reidentification With Reference Descriptor. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 776-787.	5.6	66
25	Evolutionary feature synthesis for facial expression recognition. Pattern Recognition Letters, 2006, 27, 1289-1298.	2.6	65
26	Person Re-Identification by Robust Canonical Correlation Analysis. IEEE Signal Processing Letters, 2015, 22, 1103-1107.	2.1	63
27	CAD-Based 3D Object Representation for Robot Vision. Computer, 1987, 20, 19-35.	1.2	61
28	Visual Learning by Evolutionary and Coevolutionary Feature Synthesis. IEEE Transactions on Evolutionary Computation, 2007, 11, 635-650.	7.5	61
29	Efficient Recognition of Highly Similar 3D Objects in Range Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 172-179.	9.7	61
30	Efficient smile detection by Extreme Learning Machine. Neurocomputing, 2015, 149, 354-363.	3.5	61
31	Adaptive image segmentation using genetic and hybrid search methods. IEEE Transactions on Aerospace and Electronic Systems, 1995, 31, 1268-1291.	2.6	60
32	Facial expression recognition using emotion avatar image. , 2011, , .		58
33	Face image super-resolution using 2D CCA. Signal Processing, 2014, 103, 184-194.	2.1	58
34	Reference-based person re-identification. , 2013, , .		57
35	Recognition of occluded objects: A cluster-structure algorithm. Pattern Recognition, 1987, 20, 199-211.	5.1	55
36	Semantic Concept Co-Occurrence Patterns for Image Annotation and Retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 785-799.	9.7	54

#	ARTICLE	IF	CITATIONS
37	Gabor wavelet representation for 3-D object recognition. IEEE Transactions on Image Processing, 1997, 6, 47-64.	6.0	48
38	Vision and Attention Theory Based Sampling for Continuous Facial Emotion Recognition. IEEE Transactions on Affective Computing, 2014, 5, 418-431.	5.7	47
39	Segmentation of natural scenes. Pattern Recognition, 1987, 20, 487-496.	5.1	46
40	Sparse representation matching for person re-identification. Information Sciences, 2016, 355-356, 74-89.	4.0	45
41	Stochastic models for recognition of occluded targets. Pattern Recognition, 2003, 36, 2855-2873.	5.1	44
42	Model-based segmentation of FLIR images. IEEE Transactions on Aerospace and Electronic Systems, 1990, 26, 2-11.	2.6	41
43	Segmentation of Images Having Unimodal Distributions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1982, PAMI-4, 408-419.	9.7	40
44	Object detection in multi-modal images using genetic programming. Applied Soft Computing Journal, 2004, 4, 175-201.	4.1	40
45	Contour Matching for 3D Ear Recognition. , 2005, , .		40
46	Discrete Cosine Transform Locality-Sensitive Hashes for Face Retrieval. IEEE Transactions on Multimedia, 2014, 16, 1090-1103.	5.2	40
47	Reference Face Graph for Face Recognition. IEEE Transactions on Information Forensics and Security, 2014, 9, 2132-2143.	4.5	39
48	Image super-resolution by extreme learning machine. , 2012, , .		38
49	Dynamic Bayesian Network for Unconstrained Face Recognition in Surveillance Camera Networks. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 155-164.	2.7	38
50	Predicting performance of object recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2000, 22, 956-969.	9.7	36
51	Improving person re-identification by soft biometrics based reranking. , 2013, , .		36
52	Soccer: Who Has the Ball? Generating Visual Analytics and Player Statistics. , 2018, , .		36
53	Automated detection of brain abnormalities in neonatal hypoxia ischemic injury from MR images. Medical Image Analysis, 2014, 18, 1059-1069.	7.0	35
54	Target indexing in SAR images using scattering centers and the Hausdorff distance. Pattern Recognition Letters, 1996, 17, 1191-1198.	2.6	34

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55	Concepts learning with fuzzy clustering and relevance feedback. <i>Engineering Applications of Artificial Intelligence</i> , 2002, 15, 123-138.	4.3	34
56	Deep Analysis of Mitochondria and Cell Health Using Machine Learning. <i>Scientific Reports</i> , 2018, 8, 16354.	1.6	34
57	Utility-Based Camera Assignment in a Video Network: A Game Theoretic Framework. <i>IEEE Sensors Journal</i> , 2011, 11, 676-687.	2.4	33
58	Iris Liveness Detection by Relative Distance Comparisons. , 2017, , .		33
59	Recognizing target variants and articulations in synthetic aperture radar images. <i>Optical Engineering</i> , 2000, 39, 712.	0.5	32
60	Recognizing articulated objects in SAR images. <i>Pattern Recognition</i> , 2001, 34, 469-485.	5.1	32
61	Automated ischemic lesion detection in a neonatal model of hypoxic ischemic injury. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 772-781.	1.9	32
62	Human Ear Recognition by Computer. <i>Advances in Pattern Recognition</i> , 2008, , .	0.8	31
63	Object Detection via Feature Synthesis Using MDL-Based Genetic Programming. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005, 35, 538-547.	5.5	30
64	Computational analysis reveals increased blood deposition following repeated mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2012, 1, 18-28.	1.4	29
65	An Online Learned Elementary Grouping Model for Multi-target Tracking. , 2014, , .		29
66	A software system for automated identification and retrieval of moth images based on wing attributes. <i>Pattern Recognition</i> , 2016, 51, 225-241.	5.1	28
67	Active Concept Learning in Image Databases. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005, 35, 450-466.	5.5	26
68	Long-Term Cross-Session Relevance Feedback Using Virtual Features. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008, 20, 352-368.	4.0	25
69	Reference-Based Scheme Combined With K-SVD for Scene Image Categorization. <i>IEEE Signal Processing Letters</i> , 2013, 20, 67-70.	2.1	25
70	VideoWeb Dataset for Multi-camera Activities and Non-verbal Communication. , 2011, , 335-347.		25
71	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.	3.3	24
72	Evaluating Cell Processes, Quality, and Biomarkers in Pluripotent Stem Cells Using Video Bioinformatics. <i>PLoS ONE</i> , 2016, 11, e0148642.	1.1	24

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73	Recognizing occluded objects in SAR images. IEEE Transactions on Aerospace and Electronic Systems, 2001, 37, 316-328.	2.6	23
74	Uncertain spatial data handling: Modeling, indexing and query. Computers and Geosciences, 2007, 33, 42-61.	2.0	23
75	Multitarget Tracking in Nonoverlapping Cameras Using a Reference Set. IEEE Sensors Journal, 2015, 15, 2692-2704.	2.4	23
76	Pose-Guided R-CNN for Jersey Number Recognition in Sports. , 2019, , .		23
77	A system for model-based object recognition in perspective aerial images. Pattern Recognition, 1998, 31, 465-491.	5.1	22
78	Performance prediction for individual recognition by gait. Pattern Recognition Letters, 2005, 26, 615-624.	2.6	22
79	Understanding Dynamic Social Grouping Behaviors of Pedestrians. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 317-329.	7.3	22
80	Latent Fingerprint Image Segmentation Using Deep Neural Network. Advances in Computer Vision and Pattern Recognition, 2017, , 83-107.	0.9	22
81	ShieldNets: Defending Against Adversarial Attacks Using Probabilistic Adversarial Robustness. , 2019, , .		22
82	Reflection Symmetry-Integrated Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1827-1841.	9.7	21
83	Removing Moving Objects from Point Cloud Scenes. Lecture Notes in Computer Science, 2013, , 50-58.	1.0	21
84	Guest Editor's Introduction: CAD-Based Robot Vision. Computer, 1987, 20, 13-16.	1.2	20
85	A Triplet Based Approach for Indexing of Fingerprint Database for Identification. Lecture Notes in Computer Science, 2001, , 205-210.	1.0	20
86	A robust two step approach for fingerprint identification. Pattern Recognition Letters, 2003, 24, 2127-2134.	2.6	20
87	<title>Exploiting azimuthal variance of scatterers for multiple-look SAR recognition</title>. , 2002, , .		19
88	Determining Topology in a Distributed Camera Network. , 2007, , .		19
89	Recognition of walking humans in 3D: Initial results. , 2009, , .		19
90	Concepts Learning with Fuzzy Clustering and Relevance Feedback. Lecture Notes in Computer Science, 2001, , 102-116.	1.0	19

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91	A system for obstacle detection during rotorcraft low altitude flight. IEEE Transactions on Aerospace and Electronic Systems, 1996, 32, 875-897.	2.6	18
92	Deep Triplet Embedding Representations for Liveness Detection. Advances in Computer Vision and Pattern Recognition, 2017, , 287-307.	0.9	18
93	Super resolution for astronomical observations. Astrophysics and Space Science, 2018, 363, 1.	0.5	18
94	Recognition of 3-D objects in range images using a butterfly multiprocessor. Pattern Recognition, 1989, 22, 49-64.	5.1	17
95	Probabilistic Spatial Database Operations. Lecture Notes in Computer Science, 2003, , 140-158.	1.0	17
96	3D free-form object recognition in range images using local surface patches. , 2004, , .		17
97	Predicting fingerprint biometrics performance from a small gallery. Pattern Recognition Letters, 2007, 28, 40-48.	2.6	17
98	Image retrieval with feature selection and relevance feedback. , 2010, , .		17
99	Ethnicity classification based on gait using multi-view fusion. , 2010, , .		17
100	EDeN: Ensemble of Deep Networks for Vehicle Classification. , 2017, , .		17
101	Attention-based anomaly detection in multi-view surveillance videos. Knowledge-Based Systems, 2022, 252, 109348.	4.0	17
102	Analysis-by-synthesis: Pedestrian tracking with crowd simulation models in a multi-camera video network. Computer Vision and Image Understanding, 2015, 134, 48-63.	3.0	16
103	Human Recognition on Combining Kinematic and Stationary Features. Lecture Notes in Computer Science, 2003, , 600-608.	1.0	16
104	Qualitative Motion Understanding. , 1992, , .		15
105	A study on view-insensitive gait recognition. , 2005, , .		15
106	Analysis of terrain using multispectral images. Pattern Recognition, 1997, 30, 197-215.	5.1	14
107	Human Recognition at a Distance in Video by Integrating Face Profile and Gait. Lecture Notes in Computer Science, 2005, , 533-543.	1.0	14
108	A comparison of techniques for camera selection and handoff in a video network. , 2009, , .		14

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109	Latent Fingerprint Image Segmentation Using Fractal Dimension Features and Weighted Extreme Learning Machine Ensemble. , 2016, , .		14
110	Integrating Social Grouping for Multitarget Tracking Across Cameras in a CRF Model. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 2382-2394.	5.6	14
111	Coevolution and Linear Genetic Programming for Visual Learning. Lecture Notes in Computer Science, 2003, , 332-343.	1.0	14
112	A Psychologically-Inspired Match-Score Fusion Model for Video-Based Facial Expression Recognition. Lecture Notes in Computer Science, 2011, , 341-350.	1.0	14
113	Inertial navigation sensor integrated motion analysis for autonomous vehicle navigation. Journal of Field Robotics, 1992, 9, 817-842.	0.7	13
114	Anomalous activity classification in the distributed camera network. , 2008, , .		13
115	Symmetry integrated region-based image segmentation. , 2009, , .		13
116	Video Bioinformatics Analysis of Human Embryonic Stem Cell Colony Growth. Journal of Visualized Experiments, 2010, , .	0.2	13
117	Multiperson Tracking by Online Learned Grouping Model With Nonlinear Motion Context. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 2226-2239.	5.6	13
118	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.	5.6	13
119	Super-Resolved Facial Texture Under Changing Pose and Illumination. , 2007, , .		12
120	Zapping Index:Using Smile to Measure Advertisement Zapping Likelihood. IEEE Transactions on Affective Computing, 2014, 5, 432-444.	5.7	12
121	Bio-Driven Cell Region Detection in Human Embryonic Stem Cell Assay. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 604-611.	1.9	12
122	Words alignment based on association rules for cross-domain sentiment classification. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 260-272.	1.5	12
123	Intrinsic characteristics as the interface between CAD and machine vision systems. Pattern Recognition Letters, 1985, 3, 425-430.	2.6	11
124	<title>Performance characterization of a model-based SAR target recognition system using invariants</title>. , 1997, 3070, 305.		11
125	Adaptive target recognition. Machine Vision and Applications, 2000, 11, 289-299.	1.7	11
126	Automated Classification of Skippers based on Parts Representation. American Entomologist, 2008, 54, 228-231.	0.1	11



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127	Structural Signatures for Passenger Vehicle Classification in Video. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1796-1805.	4.7	11
128	Improve Transmission by Designing Filters for Image Dehazing. , 2018, , .		11
129	Dyfusion: Dynamic IR/RGB Fusion for Maritime Vessel Recognition. , 2018, , .		11
130	Fast Region-Adaptive Defogging and Enhancement for Outdoor Images Containing Sky. , 2021, , .		11
131	A system for model-based recognition of articulated objects. , 0, , .		10
132	Functional template-based SAR image segmentation. Pattern Recognition, 2004, 37, 61-77.	5.1	10
133	Learning models for predicting recognition performance. , 2005, , .		10
134	Performance Evaluation and Prediction for 3D Ear Recognition. Lecture Notes in Computer Science, 2005, , 748-757.	1.0	10
135	Automatic symmetry-integrated brain injury detection in MRI sequences. , 2009, , .		10
136	Age Classification Base on Gait Using HMM. , 2010, , .		10
137	Incremental Unsupervised Three-Dimensional Vehicle Model Learning From Video. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 423-440.	4.7	10
138	DeephESC 2.0: Deep Generative Multi Adversarial Networks for improving the classification of hESC. PLoS ONE, 2019, 14, e0212849.	1.1	10
139	A new patch selection method based on parsing and saliency detection for person re-identification. Neurocomputing, 2020, 374, 86-99.	3.5	10
140	Human embryonic stem cell classification: random network with autoencoded feature extractor. Journal of Biomedical Optics, 2021, 26, .	1.4	10
141	Increasing the discrimination of synthetic aperture radar recognition models. Optical Engineering, 2002, 41, 3298.	0.5	9
142	Utility-based dynamic camera assignment and hand-off in a video network. , 2008, , .		9
143	Facial emotion recognition with expression energy. , 2012, , .		9
144	Background suppressing Gabor energy filtering. Pattern Recognition Letters, 2015, 52, 40-47.	2.6	9

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145	[Regular Paper] MVPNNets: Multi-viewing Path Deep Learning Neural Networks for Magnification Invariant Diagnosis in Breast Cancer. , 2018, , .		9
146	SAR object classification using the DAE with a modified triplet restriction. IET Radar, Sonar and Navigation, 2019, 13, 1081-1091.	0.9	9
147	Predicting an upper bound on SAR ATR performance. IEEE Transactions on Aerospace and Electronic Systems, 2001, 37, 876-888.	2.6	8
148	Local discriminative learning for pattern recognition. Pattern Recognition, 2001, 34, 139-150.	5.1	8
149	Robust fingerprint identification. , 0, , .		8
150	Continuous Learning of a Multilayered Network Topology in a Video Camera Network. Eurasip Journal on Image and Video Processing, 2009, 2009, 1-19.	1.7	8
151	Automatic cell region detection by k-means with weighted entropy. , 2013, , .		8
152	Visual and Contextual Modeling for the Detection of Repeated Mild Traumatic Brain Injury. IEEE Transactions on Medical Imaging, 2014, 33, 11-22.	5.4	8
153	Patch Based Latent Fingerprint Matching Using Deep Learning. , 2018, , .		8
154	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.	4.7	8
155	Learning Features for Object Recognition. Lecture Notes in Computer Science, 2003, , 2227-2239.	1.0	8
156	VideoWeb: Design of a wireless camera network for real-time monitoring of activities. , 2009, , .		7
157	Detection of non-dynamic blebbing single unattached Human Embryonic Stem Cells. , 2012, , .		7
158	Automated Human Embryonic Stem Cell Detection. , 2012, , .		7
159	Real-Time Pedestrian Tracking with Bacterial Foraging Optimization. , 2012, , .		7
160	Improving action units recognition using dense flow-based face registration in video. , 2013, , .		7
161	People Tracking in Camera Networks: Three Open Questions. Computer, 2015, 48, 78-86.	1.2	7
162	A dense flow-based framework for real-time object registration under compound motion. Pattern Recognition, 2017, 63, 279-290.	5.1	7

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163	On the accuracy and robustness of deep triplet embedding for fingerprint liveness detection. , 2017, , .		7
164	Latent Fingerprint Image Quality Assessment Using Deep Learning. , 2018, , .		7
165	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.	1.3	7
166	Defending Black Box Facial Recognition Classifiers Against Adversarial Attacks. , 2020, , .		7
167	Ensemble learning of model hyperparameters and spatiotemporal data for calibration of low-cost PM <sub>2.5</sub> sensors. Mathematical Biosciences and Engineering, 2019, 16, 6858-6873.	1.0	7
168	VLSI design and implementation of a real-time image segmentation processor. Machine Vision and Applications, 1990, 3, 21-44.	1.7	6
169	Synergism of binocular and motion stereo for passive ranging. IEEE Transactions on Aerospace and Electronic Systems, 1994, 30, 709-721.	2.6	6
170	Generic object recognition using multiple representations. Image and Vision Computing, 1996, 14, 323-338.	2.7	6
171	Model-based recognition of articulated objects. Pattern Recognition Letters, 2002, 23, 1019-1029.	2.6	6
172	Fingerprint identification: classification vs. indexing. , 0, , .		6
173	Feature Synthesis Using Genetic Programming for Face Expression Recognition. Lecture Notes in Computer Science, 2004, , 896-907.	1.0	6
174	Coevolutionary feature synthesized EM algorithm for image retrieval. , 2005, , .		6
175	Super-Resolution of Facial Images in Video with Expression Changes. , 2008, , .		6
176	Auction protocol for camera active control. , 2010, , .		6
177	Human Recognition at a Distance in Video. Advances in Computer Vision and Pattern Recognition, 2010, , .	0.9	6
178	Human Embryonic Stem Cell Detection by Spatial Information and Mixture of Gaussians. , 2011, , .		6
179	Boosting Face Recognition in Real-World Surveillance Videos. , 2012, , .		6
180	Facial emotion recognition with anisotropic inhibited Gabor energy histograms. , 2013, , .		6

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181	Soft Biometrics Integrated Multi-target Tracking. , 2014, , .		6
182	Predictive models for multibiometric systems. Pattern Recognition, 2014, 47, 3779-3792.	5.1	6
183	Dynamic Low-Level Context for the Detection of Mild Traumatic Brain Injury. IEEE Transactions on Biomedical Engineering, 2015, 62, 145-153.	2.5	6
184	Understanding pollen tube growth dynamics using the Unscented Kalman Filter. Pattern Recognition Letters, 2016, 72, 100-108.	2.6	6
185	Attributes co-occurrence pattern mining for video-based person re-identification. , 2017, , .		6
186	Fine-Grained Visual Dribbling Style Analysis for Soccer Videos With Augmented Dribble Energy Image. , 2019, , .		6
187	Lightweight and Efficient Image Dehazing Network Guided by Transmission Estimation from Real-World Hazy Scenes. Sensors, 2021, 21, 960.	2.1	6
188	Multi-level cross-view consistent feature learning for person re-identification. Neurocomputing, 2021, 435, 1-14.	3.5	6
189	Model-Based Human Recognitionâ€™2D and 3D Gait. Advances in Computer Vision and Pattern Recognition, 2010, , 65-94.	0.9	6
190	Approximation of displacement fields using wavefront region growing. Computer Vision, Graphics, and Image Processing, 1988, 41, 306-322.	1.1	5
191	A qualitative approach to dynamic scene understanding. CVGIP Image Understanding, 1991, 54, 184-205.	1.3	5
192	<title>Recognizing articulated objects and object articulation in SAR images</title>. , 1998, , .		5
193	An Integrated Prediction Model for Biometrics. Lecture Notes in Computer Science, 2005, , 355-364.	1.0	5
194	Task-oriented camera assignment in a video network. , 2009, , .		5
195	Improved image super-resolution by Support Vector Regression. , 2011, , .		5
196	Vehicle logo super-resolution by canonical correlation analysis. , 2012, , .		5
197	Automated identification and retrieval of moth images with semantically related visual attributes on the wings. , 2013, , .		5
198	Improving large-scale face image retrieval using multi-level features. , 2013, , .		5

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199	Evolving Bayesian Graph for Three-Dimensional Vehicle Model Building From Video. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 563-578.	4.7	5
200	Novel representation for driver emotion recognition in motor vehicle videos. , 2017, , .		5
201	Computational Analysis: A Bridge to Translational Stroke Treatment. , 2012, , 881-909.		5
202	Automated spatio-temporal analysis of dendritic spines and related protein dynamics. PLoS ONE, 2017, 12, e0182958.	1.1	5
203	<title>Bounding SAR ATR performance based on model similarity</title>. , 1999, , .		5
204	Generative Adversarial Networks for Morphologicalâ€“Temporal Classification of Stem Cell Images. Sensors, 2022, 22, 206.	2.1	5
205	The Synthesis of Logical Sensor Specifications. , 1985, , .		4
206	Independent feature analysis for image retrieval. Pattern Recognition Letters, 2001, 22, 63-74.	2.6	4
207	Hybrid coevolutionary algorithms vs. SVM algorithms. , 2007, , .		4
208	Feature synthesized EM algorithm for image retrieval. ACM Transactions on Multimedia Computing, Communications and Applications, 2008, 4, 1-24.	3.0	4
209	Symmetry-integrated injury detection for brain MRI. , 2009, , .		4
210	Contextual and visual modeling for detection of mild traumatic brain injury in MRI. , 2012, , .		4
211	Context-aware reinforcement learning for re-identification in a video network. , 2013, , .		4
212	Optimizing crowd simulation based on real video data. , 2013, , .		4
213	Group Structure Preserving Pedestrian Tracking in a Multi-Camera Video Network. IEEE Transactions on Circuits and Systems for Video Technology, 2016, , 1-1.	5.6	4
214	Extraction of Blebs in Human Embryonic Stem Cell Videos. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 678-688.	1.9	4
215	Multi-label Classification of Stem Cell Microscopy Images Using Deep Learning. , 2018, , .		4
216	DeepHESC: An Automated System for Generating and Classification of Human Embryonic Stem Cells. , 2018, , .		4

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217	A Machine Learning-Based Ensemble Framework for Forecasting PM2.5 Concentrations in Puli, Taiwan. Applied Sciences (Switzerland), 2022, 12, 2484.	1.3	4
218	ORACLE: An Integrated Learning Approach for Object Recognition. International Journal of Pattern Recognition and Artificial Intelligence, 1997, 11, 961-990.	0.7	3
219	<title>Performance modeling of feature-based classification in SAR imagery</title>. , 1998, , .		3
220	Learning to Perceive Objects for Autonomous Navigation. Autonomous Robots, 1999, 6, 187-201.	3.2	3
221	<title>Recognizing MSTAR target variants and articulations</title>. , 1999, , .		3
222	<title>Composite class models for SAR recognition</title>. , 2003, 5095, 284.		3
223	Synthesizing feature agents using evolutionary computation. Pattern Recognition Letters, 2004, 25, 1519-1531.	2.6	3
224	MULTIPLE LOOK ANGLE SAR RECOGNITION. International Journal of Image and Graphics, 2004, 04, 85-98.	1.2	3
225	Gait Recognition by Combining Classifiers Based on Environmental Contexts. Lecture Notes in Computer Science, 2005, , 416-425.	1.0	3
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