Mohammed Bennamoun

List of Publications by Year
in descending order

361 papers	14,412 citations	36203 51 h-index	28224 105 g-index
375 all docs	375 docs citations	375 times ranked	9867 citing authors

#	Article	IF	Citations
1	Linear Regression for Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 2106-2112.	9.7	861
2	Deep Learning for 3D Point Clouds: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4338-4364.	9.7	844
3	A New Representation of Skeleton Sequences for 3D Action Recognition. , 2017, , .		564
4	Rotational Projection Statistics for 3D Local Surface Description and Object Recognition. International Journal of Computer Vision, 2013, 105, 63-86.	10.9	503
5	3D Object Recognition in Cluttered Scenes with Local Surface Features: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2270-2287.	9.7	483
6	Three-Dimensional Model-Based Object Recognition and Segmentation in Cluttered Scenes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1584-1601.	9.7	420
7	A Comprehensive Performance Evaluation of 3D Local Feature Descriptors. International Journal of Computer Vision, 2016, 116, 66-89.	10.9	418
8	An Efficient Multimodal 2D-3D Hybrid Approach to Automatic Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1927-1943.	9.7	394
9	Cost-Sensitive Learning of Deep Feature Representations From Imbalanced Data. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3573-3587.	7.2	382
10	On the Repeatability and Quality of Keypoints for Local Feature-based 3D Object Retrieval from Cluttered Scenes. International Journal of Computer Vision, 2010, 89, 348-361.	10.9	351
11	Ontology learning from text. ACM Computing Surveys, 2012, 44, 1-36.	16.1	274
12	A Guide to Convolutional Neural Networks for Computer Vision. Synthesis Lectures on Computer Vision, 2018, 8, 1-207.	0.4	267
13	Trends in Computer-Aided Manufacturing in Prosthodontics: A Review of the Available Streams. International Journal of Dentistry, 2014, 2014, 1-15.	0.5	219
14	Keypoint Detection and Local Feature Matching for Textured 3D Face Recognition. International Journal of Computer Vision, 2008, 79, 1-12.	10.9	212
15	Image-Based 3D Object Reconstruction: State-of-the-Art and Trends in the Deep Learning Era. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1578-1604.	9.7	212
16	Hands-On Bayesian Neural Networks—A Tutorial for Deep Learning Users. IEEE Computational Intelligence Magazine, 2022, 17, 29-48.	3.4	189
17	Learning Clip Representations for Skeleton-Based 3D Action Recognition. IEEE Transactions on Image Processing, 2018, 27, 2842-2855.	6.0	185
18	Automatic Shadow Detection and Removal from a Single Image. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 431-446.	9.7	181

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19	An Expression Deformation Approach to Non-rigid 3D Face Recognition. International Journal of Computer Vision, 2009, 81, 302-316.	10.9	173
20	A Novel Representation and Feature Matching Algorithm for Automatic Pairwise Registration of Range Images. International Journal of Computer Vision, 2006, 66, 19-40.	10.9	170
21	Optimal Gabor filters for textile flaw detection. Pattern Recognition, 2002, 35, 2973-2991.	5.1	156
22	Deep Reconstruction Models for Image Set Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 713-727.	9.7	145
23	Forest Change Detection in Incomplete Satellite Images With Deep Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5407-5423.	2.7	143
24	Learning Spatiotemporal Features Using 3DCNN and Convolutional LSTM for Gesture Recognition. , 2017, , .		139
25	SkeletonNet: Mining Deep Part Features for 3-D Action Recognition. IEEE Signal Processing Letters, 2017, 24, 731-735.	2.1	134
26	An Accurate and Robust Range Image Registration Algorithm for 3D Object Modeling. IEEE Transactions on Multimedia, 2014, 16, 1377-1390.	5.2	125
27	Robust regression for face recognition. Pattern Recognition, 2012, 45, 104-118.	5.1	123
28	Spatially Optimized Data-Level Fusion of Texture and Shape for Face Recognition. IEEE Transactions on Image Processing, 2012, 21, 859-872.	6.0	111
29	RGB-D Object Recognition and Grasp Detection Using Hierarchical Cascaded Forests. IEEE Transactions on Robotics, 2017, 33, 547-564.	7.3	105
30	Human Action Recognition From Various Data Modalities: A Review. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-20.	9.7	104
31	A training-free nose tip detection method from face range images. Pattern Recognition, 2011, 44, 544-558.	5.1	101
32	An Arabic optical character recognition system using recognition-based segmentation. Pattern Recognition, 2001, 34, 215-233.	5.1	99
33	A novel local surface feature for 3D object recognition under clutter and occlusion. Information Sciences, 2015, 293, 196-213.	4.0	99
34	An efficient 3D face recognition approach using local geometrical signatures. Pattern Recognition, 2014, 47, 509-524.	5.1	97
35	A Survey on Deep Learning Techniques for Stereo-Based Depth Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1738-1764.	9.7	97
36	Automatic Feature Learning for Robust Shadow Detection. , 2014, , .		93

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37	NormalNet: A voxel-based CNN for 3D object classification and retrieval. Neurocomputing, 2019, 323, 139-147.	3.5	90
38	Machine learningâ€based prediction of heart failure readmission or death: implications of choosing the right model and the right metrics. ESC Heart Failure, 2019, 6, 428-435.	1.4	89
39	Deep Learning on Underwater Marine Object Detection: A Survey. Lecture Notes in Computer Science, 2017, , 150-160.	1.0	87
40	An efficient 3D face recognition approach based on the fusion of novel local low-level features. Pattern Recognition, 2013, 46, 24-37.	5.1	84
41	A Two-Phase Weighted Collaborative Representation for 3D partial face recognition with single sample. Pattern Recognition, 2016, 52, 218-237.	5.1	80
42	Simultaneous Registration of Multiple Corresponding Point Sets. Computer Vision and Image Understanding, 2001, 81, 117-142.	3.0	79
43	A Discriminative Representation of Convolutional Features for Indoor Scene Recognition. IEEE Transactions on Image Processing, 2016, 25, 3372-3383.	6.0	79
44	Efficient Detection and Recognition of 3D Ears. International Journal of Computer Vision, 2011, 95, 52-73.	10.9	77
45	Learning Action Recognition Model from Depth and Skeleton Videos. , 2017, , .		77
46	Panitumumab combined with irinotecan for patients with KRAS wild-type metastatic colorectal cancer refractory to standard chemotherapy: a GERCOR efficacy, tolerance, and translational molecular study. Annals of Oncology, 2013, 24, 412-419.	0.6	76
47	Machine learning in heart failure. Current Opinion in Cardiology, 2018, 33, 190-195.	0.8	71
48	Iterative deep learning for image set based face and object recognition. Neurocomputing, 2016, 174, 866-874.	3.5	70
49	Performance evaluation of large 3D fingerprint databases. Electronics Letters, 2014, 50, 1060-1061.	0.5	68
50	An Integrated Framework for 3-D Modeling, Object Detection, and Pose Estimation From Point-Clouds. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 683-693.	2.4	66
51	Continuous Gesture Segmentation and Recognition Using 3DCNN and Convolutional LSTM. IEEE Transactions on Multimedia, 2019, 21, 1011-1021.	5.2	66
52	AUTOMATIC CORRESPONDENCE FOR 3D MODELING: AN EXTENSIVE REVIEW. International Journal of Shape Modeling, 2005, 11, 253-291.	0.3	62
53	Automatic 3D Face Detection, Normalization and Recognition. , 2006, , .		62
54	Fast and Fully Automatic Ear Detection Using Cascaded AdaBoost. , 2008, , .		58

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55	Nature-Inspired Techniques in the Context of Fraud Detection. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1273-1290.	3.3	56
56	A Spatial Layout and Scale Invariant Feature Representation for Indoor Scene Classification. IEEE Transactions on Image Processing, 2016, 25, 4829-4841.	6.0	55
57	A spatio-temporal RBM-based model for facial expression recognition. Pattern Recognition, 2016, 49, 152-161.	5.1	54
58	A Curvelet-based approach for textured 3D face recognition. Pattern Recognition, 2015, 48, 1235-1246.	5.1	52
59	Coral classification with hybrid feature representations. , 2016, , .		52
60	A Fractional Gradient Descent-Based RBF Neural Network. Circuits, Systems, and Signal Processing, 2018, 37, 5311-5332.	1.2	51
61	Block Level Skip Connections Across Cascaded V-Net for Multi-Organ Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 2782-2793.	5.4	51
62	Redundancy and Attention in Convolutional LSTM for Gesture Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1323-1335.	7.2	50
63	Sparse Representation for Speaker Identification. , 2010, , .		49
64	Deep Image Representations for Coral Image Classification. IEEE Journal of Oceanic Engineering, 2019, 44, 121-131.	2.1	48
65	Learning Non-linear Reconstruction Models for Image Set Classification. , 2014, , .		47
66	Learning Latent Global Network for Skeleton-Based Action Prediction. IEEE Transactions on Image Processing, 2020, 29, 959-970.	6.0	47
67	Computer Vision for Humanâ€"Machine Interaction. , 2018, , 127-145.		46
68	Integration of local and global geometrical cues for 3D face recognition. Pattern Recognition, 2008, 41, 1030-1040.	5.1	45
69	Representation and Recognition of 3D Free-Form Objects. , 2002, 12, 47-76.		44
70	Tree-Traversing Ant Algorithm for term clustering based on featureless similarities. Data Mining and Knowledge Discovery, 2007, 15, 349-381.	2.4	41
71	3-D Face Recognition Using Curvelet Local Features. IEEE Signal Processing Letters, 2014, 21, 172-175.	2.1	41
72	Keypoints-based surface representation for 3D modeling and 3D object recognition. Pattern Recognition, 2017, 64, 29-38.	5.1	41

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73	Meta-Transfer Learning Driven Tensor-Shot Detector for the Autonomous Localization and Recognition of Concealed Baggage Threats. Sensors, 2020, 20, 6450.	2.1	41
74	Automatic annotation of coral reefs using deep learning. , 2016, , .		40
75	A Multi-Modal, Discriminative and Spatially Invariant CNN for RGB-D Object Labeling. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2051-2065.	9.7	40
76	Suitability Analysis of Techniques for Flaw Detection in Textiles using Texture Analysis. Pattern Analysis and Applications, 2000, 3, 254-266.	3.1	37
77	Multi-Modal Co-Learning for Liver Lesion Segmentation on PET-CT Images. IEEE Transactions on Medical Imaging, 2021, 40, 3531-3542.	5.4	37
78	Combined HER2 analysis of biopsies and surgical specimens to optimize detection of trastuzumab-eligible patients in eso-gastric adenocarcinoma: a GERCOR study. Annals of Oncology, 2013, 24, 3035-3039.	0.6	36
79	A Novel Adaptive Kernel for the RBF Neural Networks. Circuits, Systems, and Signal Processing, 2017, 36, 1639-1653.	1.2	36
80	An Automatic Framework for Textured 3D Video-Based Facial Expression Recognition. IEEE Transactions on Affective Computing, 2014, 5, 301-313.	5.7	35
81	Feature selection and transformation by machine learning reduce variable numbers and improve prediction for heart failure readmission or death. PLoS ONE, 2019, 14, e0218760.	1.1	35
82	Reliability analysis of the rank transform for stereo matching. IEEE Transactions on Systems, Man, and Cybernetics, 2001, 31, 870-880.	5.5	34
83	Multibiometric human recognition using 3D ear and face features. Pattern Recognition, 2013, 46, 613-627.	5.1	34
84	Non-parametric techniques for fast and robust stereo matching. , 0, , .		33
85	EI3D: Expression-invariant 3D face recognition based on feature and shape matching. Pattern Recognition Letters, 2016, 83, 403-412.	2.6	33
86	Leveraging Structural Context Models and Ranking Score Fusion for Human Interaction Prediction. IEEE Transactions on Multimedia, 2018, 20, 1712-1723.	5.2	33
87	Analysis and Variants of Broad Learning System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 334-344.	5.9	33
88	ResFeats: Residual network based features for underwater image classification. Image and Vision Computing, 2020, 93, 103811.	2.7	32
89	Geometry Driven Semantic Labeling of Indoor Scenes. Lecture Notes in Computer Science, 2014, , 679-694.	1.0	32
90	Automatic Hierarchical Classification of Kelps Using Deep Residual Features. Sensors, 2020, 20, 447.	2.1	32

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91	A pitfall in fingerprint bio-cryptographic key generation. Computers and Security, 2011, 30, 311-319.	4.0	31
92	Resfeats: Residual network based features for image classification. , 2017, , .		31
93	Human Interaction Prediction Using Deep Temporal Features. Lecture Notes in Computer Science, 2016, , 403-414.	1.0	31
94	Maize Yield Prediction at an Early Developmental Stage Using Multispectral Images and Genotype Data for Preliminary Hybrid Selection. Remote Sensing, 2021, 13, 3976.	1.8	31
95	Deep Learning for Coral Classification. , 2017, , 383-401.		30
96	How Well Sentence Embeddings Capture Meaning. , 2015, , .		28
97	RAFP-Pred: Robust Prediction of Antifreeze Proteins Using Localized Analysis of n-Peptide Compositions. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 244-250.	1.9	28
98	A review of recent advances in 3D ear- and expression-invariant face biometrics. ACM Computing Surveys, 2012, 44, 1-34.	16.1	27
99	An RGBâ€"D based image set classification for robust face recognition from Kinect data. Neurocomputing, 2016, 171, 889-900.	3.5	27
100	A structural-description-based vision system for automatic object recognition. IEEE Transactions on Systems, Man, and Cybernetics, 1997, 27, 893-906.	5.5	25
101	A Gaussian Process Guided Particle Filter for Tracking 3D Human Pose in Video. IEEE Transactions on Image Processing, 2013, 22, 4286-4300.	6.0	25
102	A benchmark 3D fingerprint database. , 2014, , .		25
103	Efficient Image Set Classification Using Linear Regression Based Image Reconstruction. , 2017, , .		25
104	Text to Image Synthesis for Improved Image Captioning. IEEE Access, 2021, 9, 64918-64928.	2.6	25
105	Scale space clustering evolution for salient region detection on 3D deformable shapes. Pattern Recognition, 2017, 71, 414-427.	5.1	24
106	CALL-INDEPENDENT INDIVIDUAL IDENTIFICATION IN BIRDS. Bioacoustics, 2008, 18, 51-67.	0.7	23
107	Sparse Representation for Ear Biometrics. Lecture Notes in Computer Science, 2008, , 336-345.	1.0	23
108	3D free form object recognition using rotational projection statistics. , 2013, , .		23

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109	A novel 3D vorticity based approach for automatic registration of low resolution range images. Pattern Recognition, 2015, 48, 2859-2871.	5.1	23
110	A Joint Deep Boltzmann Machine (jDBM) Model for Person Identification Using Mobile Phone Data. IEEE Transactions on Multimedia, 2017, 19, 317-326.	5.2	23
111	Faster R-CNN Based Deep Learning for Seagrass Detection from Underwater Digital Images. , 2019, , .		23
112	Resources for image-based high-throughput phenotyping in crops and data sharing challenges. Plant Physiology, 2021, 187, 699-715.	2.3	23
113	Applications of machine learning to undifferentiated chest pain in the emergency department: A systematic review. PLoS ONE, 2021, 16, e0252612.	1.1	23
114	ECMSRC: A Sparse Learning Approach for the Prediction of Extracellular Matrix Proteins. Current Bioinformatics, 2017, 12, .	0.7	23
115	CAMERAS: Enhanced Resolution And Sanity preserving Class Activation Mapping for image saliency. , 2021, , .		23
116	Efficient RGB-D object categorization using cascaded ensembles of randomized decision trees. , 2015, , .		22
117	A confidence-based late fusion framework for audio-visual biometric identification. Pattern Recognition Letters, 2015, 52, 65-71.	2.6	22
118	A novel feature representation for automatic 3D object recognition in cluttered scenes. Neurocomputing, 2016, 205, 1-15.	3.5	22
119	A Fast and Fully Automatic Ear Recognition Approach Based on 3D Local Surface Features. Lecture Notes in Computer Science, 2008, , 1081-1092.	1.0	22
120	Learning deep structured network for weakly supervised change detection. , 2017, , .		22
121	Pseudo-Pair Based Self-Similarity Learning for Unsupervised Person Re-Identification. IEEE Transactions on Image Processing, 2022, 31, 4803-4816.	6.0	22
122	Integrating Geometrical Context for Semantic Labeling of Indoor Scenes using RGBD Images. International Journal of Computer Vision, 2016, 117, 1-20.	10.9	21
123	Empowering Simple Binary Classifiers for Image Set Based Face Recognition. International Journal of Computer Vision, 2017, 123, 479-498.	10.9	21
124	A Novel Incremental Learning Driven Instance Segmentation Framework to Recognize Highly Cluttered Instances of the Contraband Items. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6937-6951.	5.9	21
125	Plant Genotype to Phenotype Prediction Using Machine Learning. Frontiers in Genetics, 2022, 13, .	1.1	21
126	Three-Dimensional Image Registration as a Tool for Forensic Odontology. American Journal of Forensic Medicine and Pathology, 2013, 34, 260-266.	0.4	20

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127	Semantic scene completion with dense CRF from a single depth image. Neurocomputing, 2018, 318, 182-195.	3.5	20
128	Review of Modelling and Simulating Crowds at Mass Gathering Events: Hajj as a Case Study. Jasss, 2019, 22, .	1.0	20
129	Fast and Robust Stereo Matching Algorithms for Mining Automation. , 1999, 9, 137-148.		19
130	A Novel Local Surface Description for Automatic 3D Object Recognition in Low Resolution Cluttered Scenes. , 2013, , .		19
131	Tensor pooling-driven instance segmentation framework for baggage threat recognition. Neural Computing and Applications, 2022, 34, 1239-1250.	3.2	19
132	Explainable artificial intelligence for pharmacovigilance: What features are important when predicting adverse outcomes?. Computer Methods and Programs in Biomedicine, 2021, 212, 106415.	2.6	19
133	A recognition-based Arabic optical character recognition system. , 0, , .		18
134	1D-PCA, 2D-PCA to nD-PCA. , 2006, , .		18
135	Improving Semantic Image Segmentation With a Probabilistic Superpixel-Based Dense Conditional Random Field. IEEE Access, 2018, 6, 15297-15310.	2.6	18
136	Automatic detection of Western rock lobster using synthetic data. ICES Journal of Marine Science, 2020, 77, 1308-1317.	1.2	18
137	U-netÂbased analysis of MRI for Alzheimerâ€™s disease diagnosis. Neural Computing and Applications, 2021, 33, 13587-13599.	3.2	18
138	Unsupervised anomaly instance segmentation for baggage threat recognition. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1607-1618.	3.3	18
139	Discriminative fusion of shape and appearance features for human pose estimation. Pattern Recognition, 2013, 46, 3223-3237.	5.1	17
140	Enhanced q-least Mean Square. Circuits, Systems, and Signal Processing, 2019, 38, 4817-4839.	1.2	17
141	Reverse Training: An Efficient Approach for Image Set Classification. Lecture Notes in Computer Science, 2014, , 784-799.	1.0	17
142	Dynamic Facial Expression Recognition Under Partial Occlusion With Optical Flow Reconstruction. IEEE Transactions on Image Processing, 2022, 31, 446-457.	6.0	17
143	A probabilistic framework for automatic term recognition. Intelligent Data Analysis, 2009, 13, 499-539.	0.4	16
144	3D-Div: A novel local surface descriptor for feature matching and pairwise range image registration. , 2013, , .		16

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145	Illumination normalization of facial images by reversing the process of image formation. Machine Vision and Applications, 2011, 22, 899-911.	1.7	15
146	Impact of digital prosthodontic planning on dental esthetics: Biometric analysis of esthetic parameters. Journal of Prosthetic Dentistry, 2016, 115, 57-64.	1.1	15
147	2D and 3D face recognition using convolutional neural network. , 2017, , .		15
148	Soft Exemplar Highlighting for Cross-View Image-Based Geo-Localization. IEEE Transactions on Image Processing, 2022, 31, 2094-2105.	6.0	15
149	Machine learning models outperform deep learning models, provide interpretation and facilitate feature selection for soybean trait prediction. BMC Plant Biology, 2022, 22, 180.	1.6	15
150	A constrained minimisation approach to optimise Gabor filters for detecting flaws in woven textiles. , 0, , .		14
151	Matching Tensors for Automatic Correspondence and Registration. Lecture Notes in Computer Science, 2004, , 495-505.	1.0	14
152	Complete invariants for robust face recognition. Pattern Recognition, 2007, 40, 1579-1591.	5.1	14
153	RoPS: A local feature descriptor for 3D rigid objects based on rotational projection statistics. , 2013, , .		14
154	Listening with Your Eyes: Towards a Practical Visual Speech Recognition System Using Deep Boltzmann Machines. , 2015, , .		14
155	Deep feature learning for dummies: A simple auto-encoder training method using Particle Swarm Optimisation. Pattern Recognition Letters, 2017, 94, 75-80.	2.6	14
156	Biometric Approaches of 2D-3D Ear and Face: A Survey. , 2008, , 509-514.		14
157	Real-time pose estimation of rigid objects using RGB-D imagery. , 2013, , .		13
158	A robust variable step size fractional least mean square (RVSS-FLMS) algorithm. , 2017, , .		13
159	A High-Performance Spectral-Spatial Residual Network for Hyperspectral Image Classification with Small Training Data. Remote Sensing, 2020, 12, 3137.	1.8	13
160	2D and 3D Multimodal Hybrid Face Recognition. Lecture Notes in Computer Science, 2006, , 344-355.	1.0	13
161	Learning-based Composite Metrics for Improved Caption Evaluation. , 2018, , .		13
162	Similarity Based Block Sparse Subset Selection for Video Summarization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3967-3980.	5.6	13

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163	Separating objects and clutter in indoor scenes. , 2015, , .		12
164	Unsupervised segmentation of unknown objects in complex environments. Autonomous Robots, 2016, 40, 805-829.	3.2	12
165	Iris recognition using class-specific dictionaries. Computers and Electrical Engineering, 2017, 62, 178-193.	3.0	12
166	VP-FLMS: A Novel Variable Power Fractional LMS Algorithm. , 2017, , .		12
167	Score Level Fusion of Ear and Face Local 3D Features for Fast and Expression-Invariant Human Recognition. Lecture Notes in Computer Science, 2009, , 387-396.	1.0	12
168	Sign Language Translation with Hierarchical Spatio-Temporal Graph Neural Network. , 2022, , .		12
169	Evaluation of Spatiotemporal Detectors and Descriptors for Facial Expression Recognition. , 2012, , .		11
170	Fingerprint Indexing Based on Combination of Novel Minutiae Triplet Features. Lecture Notes in Computer Science, 2014, , 377-388.	1.0	11
171	A Unified Framework for Brain Segmentation in MR Images. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-17.	0.7	11
172	A cascade gray-stereo visual feature extraction method for visual and audio-visual speech recognition. Speech Communication, 2017, 90, 26-38.	1.6	11
173	Efficient finer-grained incremental processing with MapReduce for big data. Future Generation Computer Systems, 2018, 80, 102-111.	4.9	11
174	Three‒dimensional scanning for measurement of bulk density in gravelly soils. Soil Use and Management, 2018, 34, 380-387.	2.6	11
175	Automated segmentation of gravel particles from depth images of gravel-soil mixtures. Computers and Geosciences, 2019, 128, 1-10.	2.0	11
176	A contour-based part segmentation algorithm. , 0, , .		10
177	The development of an integrated GPS/INS/sonar navigation system for autonomous underwater vehicle navigation. , 0, , .		10
178	Implementation of a statistical based Arabic character recognition system. , 0, , .		10
179	A constraint to improve the reliability of stereo matching using the rank transform. , 1999, , .		10
180	Textile flaw detection using optimal Gabor filters. , 0, , .		10

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181	Automated 3D model‐based free‐form object recognition. Sensor Review, 2004, 24, 206-215.	1.0	10
182	Bezier curve-based generic shape encoder. IET Image Processing, 2010, 4, 92.	1.4	10
183	Robust Regression for Face Recognition. , 2010, , .		10
184	On XCSR for electronic fraud detection. Evolutionary Intelligence, 2012, 5, 139-150.	2.3	10
185	Clustering of video-patches on Grassmannian manifold for facial expression recognition from 3D videos. , 2013, , .		10
186	Automatic object detection using objectness measure. , 2013, , .		10
187	Linear Regression-based Classifier for audio visual person identification. , 2013, , .		10
188	Performance Evaluation of 3D Local Surface Descriptors for Low and High Resolution Range Image Registration. , 2014, , .		10
189	FLMF: Fractional least mean fourth algorithm for channel estimation in non-Gaussian environment. , 2017, , .		10
190	Improved colour‐to‐grey method using image segmentation and colour difference model for colour vision deficiency. IET Image Processing, 2018, 12, 314-319.	1.4	10
191	Diffusion Geometry Derived Keypoints and Local Descriptors for 3D Deformable Shape Analysis. Journal of Circuits, Systems and Computers, 2021, 30, 2150016.	1.0	10
192	Improved stereo image matching using mutual information and hierarchical prior probabilities. , 0, , .		9
193	Drift-correcting template update strategy for precision feature point tracking. Image and Vision Computing, 2010, 28, 1280-1292.	2.7	9
194	Robust pose invariant shape-based hand recognition. , 2011, , .		9
195	Constructing specialised corpora through analysing domain representativeness of websites. Language Resources and Evaluation, 2011, 45, 209-241.	1.8	9
196	A semantic RBM-based model for image set classification. Neurocomputing, 2016, 205, 507-518.	3.5	9
197	Partial fingerprint indexing: a combination of local and reconstructed global features. Concurrency Computation Practice and Experience, 2016, 28, 2940-2957.	1.4	9
198	Evolutionary Feature Learning for 3-D Object Recognition. IEEE Access, 2018, 6, 2434-2444.	2.6	9

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199	Machine learning risk prediction model for acute coronary syndrome and death from use of non-steroidal anti-inflammatory drugs in administrative data. Scientific Reports, 2021, 11, 18314.	1.6	9
200	ScoreGAN: A Fraud Review Detector Based on Regulated GAN With Data Augmentation. IEEE Transactions on Information Forensics and Security, 2022, 17, 280-291.	4.5	9
201	A reinforcement learning-based approach for imputing missing data. Neural Computing and Applications, 2022, 34, 9701-9716.	3.2	9
202	Optimal parameters for edge detection. , 0, , .		8
203	Automatic flaw detection in textiles using a Neyman-Pearson detector. , 0, , .		8
204	RIGID MEDICAL IMAGE REGISTRATION AND ITS ASSOCIATION WITH MUTUAL INFORMATION. International Journal of Pattern Recognition and Artificial Intelligence, 2003, 17, 1167-1206.	0.7	8
205	From unordered range images to 3D models: a fully automatic multiview correspondence algorithm. , 0, , .		8
206	Extracting deep bottleneck features for visual speech recognition. , 2015, , .		8
207	Application of Artificial Intelligence in Coronary Computed Tomography Angiography. Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.4	8
208	Bi-SAN-CAP: Bi-Directional Self-Attention for Image Captioning. , 2019, , .		8
209	Attack to Explain Deep Representation. , 2020, , .		8
210	RGB-D Image-Based Object Detection: From Traditional Methods to Deep Learning Techniques. Advances in Computer Vision and Pattern Recognition, 2019, , 169-201.	0.9	8
211	Simultaneous registration of multiple point sets using orthonormal matrices. , 0, , .		7
212	Sliding-Window Designs for Vertex-Based Shape Coding. IEEE Transactions on Multimedia, 2012, 14, 683-692.	5.2	7
213	A low cost 3D markerless system for the reconstruction of athletic techniques. , 2013, , .		7
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