

# Mohammed Bennamoun

## List of Publications by Year in descending order

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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	Unsupervised anomaly instance segmentation for baggage threat recognition. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1607-1618.	3.3	18
2	Graph Fusion Network-Based Multimodal Learning for Freezing of Gait Detection. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1588-1600.	7.2	7
3	HIN-RNN: A Graph Representation Learning Neural Network for Fraudster Group Detection With No Handcrafted Features. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4153-4166.	7.2	6
4	A novel quantum calculus-based complex least mean square algorithm (q-CLMS). Applied Intelligence, 2023, 53, 1350-1369.	3.3	1
5	Multi-Kernel Fusion for RBF Neural Networks. Neural Processing Letters, 2023, 55, 1045-1069.	2.0	4
6	Analysis and Variants of Broad Learning System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 334-344.	5.9	33
7	Tensor pooling-driven instance segmentation framework for baggage threat recognition. Neural Computing and Applications, 2022, 34, 1239-1250.	3.2	19
8	Probability-Based Framework to Fuse Temporal Consistency and Semantic Information for Background Segmentation. IEEE Transactions on Multimedia, 2022, 24, 740-754.	5.2	2
9	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
10	Dynamic Facial Expression Recognition Under Partial Occlusion With Optical Flow Reconstruction. IEEE Transactions on Image Processing, 2022, 31, 446-457.	6.0	17
11	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
12	MEDAS: an open-source platform as a service to help break the walls between medicine and informatics. Neural Computing and Applications, 2022, 34, 6547-6567.	3.2	4
13	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
14	A reinforcement learning-based approach for imputing missing data. Neural Computing and Applications, 2022, 34, 9701-9716.	3.2	9
15	Soft Exemplar Highlighting for Cross-View Image-Based Geo-Localization. IEEE Transactions on Image Processing, 2022, 31, 2094-2105.	6.0	15
16	Sign Language Translation with Hierarchical Spatio-Temporal Graph Neural Network. , 2022, , .		12
17	Using ensemble methods to improve the robustness of deep learning for image classification in marine environments. Methods in Ecology and Evolution, 2022, 13, 1317-1328.	2.2	3
18	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

#	ARTICLE	IF	CITATIONS
19	Hands-On Bayesian Neural Networks—A Tutorial for Deep Learning Users. IEEE Computational Intelligence Magazine, 2022, 17, 29-48.	3.4	189
20	Plant Genotype to Phenotype Prediction Using Machine Learning. Frontiers in Genetics, 2022, 13, .	1.1	21
21	Human Action Recognition From Various Data Modalities: A Review. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-20.	9.7	104
22	Evaluating Plant Gene Models Using Machine Learning. Plants, 2022, 11, 1619.	1.6	2
23	Pseudo-Pair Based Self-Similarity Learning for Unsupervised Person Re-Identification. IEEE Transactions on Image Processing, 2022, 31, 4803-4816.	6.0	22
24	Deep Learning for 3D Point Clouds: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4338-4364.	9.7	844
25	Diffusion Geometry Derived Keypoints and Local Descriptors for 3D Deformable Shape Analysis. Journal of Circuits, Systems and Computers, 2021, 30, 2150016.	1.0	10
26	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
27	Multi-Modal Co-Learning for Liver Lesion Segmentation on PET-CT Images. IEEE Transactions on Medical Imaging, 2021, 40, 3531-3542.	5.4	37
28	DFraud <sup>3</sup> : Multi-Component Fraud Detection Free of Cold-Start. IEEE Transactions on Information Forensics and Security, 2021, 16, 3456-3468.	4.5	7
29	Modelling Mass Crowd Using Discrete Event Simulation: A Case Study of Integrated Tawaf and Sayee Rituals During Hajj. IEEE Access, 2021, 9, 79424-79448.	2.6	7
30	Text to Image Synthesis for Improved Image Captioning. IEEE Access, 2021, 9, 64918-64928.	2.6	25
31	U-net-based analysis of MRI for Alzheimer's disease diagnosis. Neural Computing and Applications, 2021, 33, 13587-13599.	3.2	18
32	Resources for image-based high-throughput phenotyping in crops and data sharing challenges. Plant Physiology, 2021, 187, 699-715.	2.3	23
33	Applications of machine learning to undifferentiated chest pain in the emergency department: A systematic review. PLoS ONE, 2021, 16, e0252612.	1.1	23
34	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
35	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
36	Progressive conditional GAN-based augmentation for 3D object recognition. Neurocomputing, 2021, 460, 20-30.	3.5	6

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37	Real time surveillance for low resolution and limited data scenarios: An image set classification approach. Information Sciences, 2021, 580, 578-597.	4.0	6
38	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
39	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
40	CAMERAS: Enhanced Resolution And Sanity preserving Class Activation Mapping for image saliency. , 2021, , .		23
41	Redundancy and Attention in Convolutional LSTM for Gesture Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1323-1335.	7.2	50
42	Automatic detection of Western rock lobster using synthetic data. ICES Journal of Marine Science, 2020, 77, 1308-1317.	1.2	18
43	ResFeats: Residual network based features for underwater image classification. Image and Vision Computing, 2020, 93, 103811.	2.7	32
44	Learning Latent Global Network for Skeleton-Based Action Prediction. IEEE Transactions on Image Processing, 2020, 29, 959-970.	6.0	47
45	A High-Performance Spectral-Spatial Residual Network for Hyperspectral Image Classification with Small Training Data. Remote Sensing, 2020, 12, 3137.	1.8	13
46	Efficient Detection of Pixel-Level Adversarial Attacks. , 2020, , .		3
47	Meta-Transfer Learning Driven Tensor-Shot Detector for the Autonomous Localization and Recognition of Concealed Baggage Threats. Sensors, 2020, 20, 6450.	2.1	41
48	Guest Editorsâ€™ Introduction to the Special Issue on RGB-D Vision: Methods and Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2329-2332.	9.7	1
49	Attack to Explain Deep Representation. , 2020, , .		8
50	Block Level Skip Connections Across Cascaded V-Net for Multi-Organ Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 2782-2793.	5.4	51
51	A Dataset of Pulmonary Lesions With Multiple-Level Attributes and Fine Contours. Frontiers in Digital Health, 2020, 2, 609349.	1.5	2
52	Automatic Hierarchical Classification of Kelps Using Deep Residual Features. Sensors, 2020, 20, 447.	2.1	32
53	LCEval: Learned Composite Metric for Caption Evaluation. International Journal of Computer Vision, 2019, 127, 1586-1610.	10.9	7
54	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

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55	Deep learning-based 3D local feature descriptor from Mercator projections. Computer Aided Geometric Design, 2019, 74, 101771.	0.5	5
56	Relationship Detection Based on Object Semantic Inference and Attention Mechanisms. , 2019, , .		4
57	Global Regularizer and Temporal-Aware Cross-Entropy for Skeleton-Based Early Action Recognition. Lecture Notes in Computer Science, 2019, , 729-745.	1.0	5
58	Deep Learning for Scene Understanding. Smart Innovation, Systems and Technologies, 2019, , 21-51.	0.5	5
59	Machine learning-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
60	Enhanced q-least Mean Square. Circuits, Systems, and Signal Processing, 2019, 38, 4817-4839.	1.2	17
61	Automated segmentation of gravel particles from depth images of gravel-soil mixtures. Computers and Geosciences, 2019, 128, 1-10.	2.0	11
62	Machine Learning Approaches for Prediction of Facial Rejuvenation Using Real and Synthetic Data. IEEE Access, 2019, 7, 23779-23787.	2.6	5
63	Bi-SAN-CAP: Bi-Directional Self-Attention for Image Captioning. , 2019, , .		8
64	Deep Fusion Net for Coral Classification in Fluorescence and Reflectance Images. , 2019, , .		2
65	Faster R-CNN Based Deep Learning for Seagrass Detection from Underwater Digital Images. , 2019, , .		23
66	Coral Classification Using DenseNet and Cross-modality Transfer Learning. , 2019, , .		2
67	Introduction to Neural Networks for Machine Learning. Studies in Computational Intelligence, 2019, , 1-21.	0.7	1
68	Recurrent Neural Networks for Sequential Processing. Studies in Computational Intelligence, 2019, , 23-36.	0.7	0
69	Word Representations. Studies in Computational Intelligence, 2019, , 37-71.	0.7	0
70	Word Sense Representations. Studies in Computational Intelligence, 2019, , 73-92.	0.7	0
71	NormalNet: A voxel-based CNN for 3D object classification and retrieval. Neurocomputing, 2019, 323, 139-147.	3.5	90
72	Continuous Gesture Segmentation and Recognition Using 3DCNN and Convolutional LSTM. IEEE Transactions on Multimedia, 2019, 21, 1011-1021.	5.2	66

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73	Deep Image Representations for Coral Image Classification. IEEE Journal of Oceanic Engineering, 2019, 44, 121-131.	2.1	48
74	Direct Image to Point Cloud Descriptors Matching for 6-DOF Camera Localization in Dense 3D Point Clouds. Lecture Notes in Computer Science, 2019, , 222-234.	1.0	3
75	Review of Modelling and Simulating Crowds at Mass Gathering Events: Hajj as a Case Study. Jasss, 2019, 22, .	1.0	20
76	Attention-Based Image Captioning Using DenseNet Features. Communications in Computer and Information Science, 2019, , 109-117.	0.4	3
77	Learning-Based Confidence Estimation for Multi-modal Classifier Fusion. Lecture Notes in Computer Science, 2019, , 299-312.	1.0	2
78	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
79	Leveraging Structural Context Models and Ranking Score Fusion for Human Interaction Prediction. IEEE Transactions on Multimedia, 2018, 20, 1712-1723.	5.2	33
80	Evolutionary Feature Learning for 3-D Object Recognition. IEEE Access, 2018, 6, 2434-2444.	2.6	9
81	A Guide to Convolutional Neural Networks for Computer Vision. Synthesis Lectures on Computer Vision, 2018, 8, 1-207.	0.4	267
82	Application of Artificial Intelligence in Coronary Computed Tomography Angiography. Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.4	8
83	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
84	Generating Bags of Words from the Sums of Their Word Embeddings. Lecture Notes in Computer Science, 2018, , 91-102.	1.0	3
85	Learning Clip Representations for Skeleton-Based 3D Action Recognition. IEEE Transactions on Image Processing, 2018, 27, 2842-2855.	6.0	185
86	Improving Semantic Image Segmentation With a Probabilistic Superpixel-Based Dense Conditional Random Field. IEEE Access, 2018, 6, 15297-15310.	2.6	18
87	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
88	Efficient finer-grained incremental processing with MapReduce for big data. Future Generation Computer Systems, 2018, 80, 102-111.	4.9	11
89	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
90	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

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91	Machine learning in heart failure. <i>Current Opinion in Cardiology</i> , 2018, 33, 190-195.	0.8	71
92	A Training-Free Mesh Upsampling and Morphing Technique for 3D Face Rejuvenation. , 2018, , .		1
93	Generalized Joint Sparse Representation for Multimodal Biometric Fusion of Heterogeneous Features. , 2018, , .		3
94	A Fully Automatic Framework for Prediction of 3D Facial Rejuvenation. , 2018, , .		2
95	Reflective Field for Pixel-Level Tasks. , 2018, , .		0
96	Classification of Corals in Reflectance and Fluorescence Images Using Convolutional Neural Network Representations. , 2018, , .		4
97	Semantic scene completion with dense CRF from a single depth image. <i>Neurocomputing</i> , 2018, 318, 182-195.	3.5	20
98	Response to "Ghost Numbers". <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018, 40, 2540-2540.	9.7	0
99	Identity Adaptation for Person Re-Identification. <i>IEEE Access</i> , 2018, 6, 48147-48155.	2.6	5
100	A Fractional Gradient Descent-Based RBF Neural Network. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 5311-5332.	1.2	51
101	Computer Vision for Human-Machine Interaction. , 2018, , 127-145.		46
102	Exploiting layerwise convexity of rectifier networks with sign constrained weights. <i>Neural Networks</i> , 2018, 105, 419-430.	3.3	0
103	The most discriminant subbands for face recognition: A novel information-theoretic framework. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2018, 16, 1850040.	0.9	2
104	Three-dimensional scanning for measurement of bulk density in gravelly soils. <i>Soil Use and Management</i> , 2018, 34, 380-387.	2.6	11
105	NNEval: Neural Network Based Evaluation Metric for Image Captioning. <i>Lecture Notes in Computer Science</i> , 2018, , 39-55.	1.0	6
106	Learning-based Composite Metrics for Improved Caption Evaluation. , 2018, , .		13
107	NovelPerspective: Identifying Point of View Characters. , 2018, , .		0
108	Iris recognition using class-specific dictionaries. <i>Computers and Electrical Engineering</i> , 2017, 62, 178-193.	3.0	12

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109	RGB-D Object Recognition and Grasp Detection Using Hierarchical Cascaded Forests. IEEE Transactions on Robotics, 2017, 33, 547-564.	7.3	105
110	Discriminative feature learning and region consistency activation for robust scene labeling. Neurocomputing, 2017, 243, 174-186.	3.5	0
111	Empowering Simple Binary Classifiers for Image Set Based Face Recognition. International Journal of Computer Vision, 2017, 123, 479-498.	10.9	21
112	Scale space clustering evolution for salient region detection on 3D deformable shapes. Pattern Recognition, 2017, 71, 414-427.	5.1	24
113	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
114	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
115	SkeletonNet: Mining Deep Part Features for 3-D Action Recognition. IEEE Signal Processing Letters, 2017, 24, 731-735.	2.1	134
116	A cascade gray-stereo visual feature extraction method for visual and audio-visual speech recognition. Speech Communication, 2017, 90, 26-38.	1.6	11
117	Efficient Image Set Classification Using Linear Regression Based Image Reconstruction. , 2017, , .		25
118	VP-FLMS: A Novel Variable Power Fractional LMS Algorithm. , 2017, , .		12
119	Deep Learning on Underwater Marine Object Detection: A Survey. Lecture Notes in Computer Science, 2017, , 150-160.	1.0	87
120	Keypoints-based surface representation for 3D modeling and 3D object recognition. Pattern Recognition, 2017, 64, 29-38.	5.1	41
121	A Novel Adaptive Kernel for the RBF Neural Networks. Circuits, Systems, and Signal Processing, 2017, 36, 1639-1653.	1.2	36
122	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
123	2D and 3D face recognition using convolutional neural network. , 2017, , .		15
124	Learning Action Recognition Model from Depth and Skeleton Videos. , 2017, , .		77
125	A New Representation of Skeleton Sequences for 3D Action Recognition. , 2017, , .		564
126	NSCT-based fusion method for forward-looking sonar image mosaic. IET Radar, Sonar and Navigation, 2017, 11, 1512-1522.	0.9	7



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127	Resfeats: Residual network based features for image classification. , 2017, , .		31
128	FLMF: Fractional least mean fourth algorithm for channel estimation in non-Gaussian environment. , 2017, , .		10
129	Learning Spatiotemporal Features Using 3DCNN and Convolutional LSTM for Gesture Recognition. , 2017, , .		139
130	A robust variable step size fractional least mean square (RVSS-FLMS) algorithm. , 2017, , .		13
131	Deep Learning for Coral Classification. , 2017, , 383-401.		30
132	ECMSRC: A Sparse Learning Approach for the Prediction of Extracellular Matrix Proteins. Current Bioinformatics, 2017, 12, .	0.7	23
133	Learning deep structured network for weakly supervised change detection. , 2017, , .		22
134	Persistence-based Interest Point Detection for 3D Deformable Surface. , 2017, , .		1
135	Simultaneous dense scene reconstruction and object labeling. , 2016, , .		5
136	Audio-visual biometric recognition via joint sparse representations. , 2016, , .		3
137	Modelling Sentence Generation from Sum of Word Embedding Vectors as a Mixed Integer Programming Problem. , 2016, , .		3
138	Coral classification with hybrid feature representations. , 2016, , .		52
139	Forward-looking sonar image registration using polar transform. , 2016, , .		2
140	Automatic annotation of coral reefs using deep learning. , 2016, , .		40
141	A Discriminative Representation of Convolutional Features for Indoor Scene Recognition. IEEE Transactions on Image Processing, 2016, 25, 3372-3383.	6.0	79
142	A semantic RBM-based model for image set classification. Neurocomputing, 2016, 205, 507-518.	3.5	9
143	A novel feature representation for automatic 3D object recognition in cluttered scenes. Neurocomputing, 2016, 205, 1-15.	3.5	22
144	Unsupervised segmentation of unknown objects in complex environments. Autonomous Robots, 2016, 40, 805-829.	3.2	12

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145	Visual Speech Feature Representations: Recent Advances. , 2016, , 377-396.		0
146	EI3D: Expression-invariant 3D face recognition based on feature and shape matching. Pattern Recognition Letters, 2016, 83, 403-412.	2.6	33
147	A Spatial Layout and Scale Invariant Feature Representation for Indoor Scene Classification. IEEE Transactions on Image Processing, 2016, 25, 4829-4841.	6.0	55
148	Switch from abiraterone + prednisone to abiraterone + dexamethasone after PSA progression under abiraterone + prednisone in asymptomatic metastatic castration-resistant prostate cancer (mCRPC) patients. Annals of Oncology, 2016, 27, vi254.	0.6	0
149	Partial fingerprint indexing: a combination of local and reconstructed global features. Concurrency Computation Practice and Experience, 2016, 28, 2940-2957.	1.4	9
150	Heat propagation contours for 3D non-rigid shape analysis. , 2016, , .		2
151	Binary Descriptor Based on Heat Diffusion for Non-rigid Shape Analysis. Lecture Notes in Computer Science, 2016, , 751-761.	1.0	0
152	Integrating Geometrical Context for Semantic Labeling of Indoor Scenes using RGBD Images. International Journal of Computer Vision, 2016, 117, 1-20.	10.9	21
153	Automatic Shadow Detection and Removal from a Single Image. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 431-446.	9.7	181
154	Impact of digital prosthodontic planning on dental esthetics: Biometric analysis of esthetic parameters. Journal of Prosthetic Dentistry, 2016, 115, 57-64.	1.1	15
155	A spatio-temporal RBM-based model for facial expression recognition. Pattern Recognition, 2016, 49, 152-161.	5.1	54
156	Iterative deep learning for image set based face and object recognition. Neurocomputing, 2016, 174, 866-874.	3.5	70
157	A Two-Phase Weighted Collaborative Representation for 3D partial face recognition with single sample. Pattern Recognition, 2016, 52, 218-237.	5.1	80
158	An RGBâ€D based image set classification for robust face recognition from Kinect data. Neurocomputing, 2016, 171, 889-900.	3.5	27
159	A Comprehensive Performance Evaluation of 3D Local Feature Descriptors. International Journal of Computer Vision, 2016, 116, 66-89.	10.9	418
160	Human Interaction Prediction Using Deep Temporal Features. Lecture Notes in Computer Science, 2016, , 403-414.	1.0	31
161	Influence of Conventional and Digital Wax-ups on Axial Tooth Contour. International Journal of Periodontics and Restorative Dentistry, 2015, 35, e50-e59.	0.4	2
162	Automatic 3D face landmark localization based on 3D vector field analysis. , 2015, , .		3

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163	Outdoor scene labelling with learned features and region consistency activation. , 2015, , .		2
164	Heterogeneous Multi-column ConvNets with a Fusion Framework for Object Recognition. , 2015, , .		2
165	A deep neural network for audio-visual person recognition. , 2015, , .		6
166	Effect of prosthodontic planning on lateral occlusion scheme: a comparison between conventional and digital planning. Journal of Applied Oral Science, 2015, 23, 196-205.	0.7	4
167	A Unified Framework for Brain Segmentation in MR Images. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-17.	0.7	11
168	Contractive Rectifier Networks for Nonlinear Maximum Margin Classification. , 2015, , .		6
169	Extracting deep bottleneck features for visual speech recognition. , 2015, , .		8
170	How Well Sentence Embeddings Capture Meaning. , 2015, , .		28
171	Separating objects and clutter in indoor scenes. , 2015, , .		12
172	Discriminative feature learning for efficient RGB-D object recognition. , 2015, , .		7
173	Listening with Your Eyes: Towards a Practical Visual Speech Recognition System Using Deep Boltzmann Machines. , 2015, , .		14
174	A novel algorithm for efficient depth segmentation using low resolution (Kinect) images. , 2015, , .		7
175	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
176	A Low-Cost Implementation of a 360° Vision Distributed Aperture System. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 225-238.	5.6	5
177	A novel 3D vorticity based approach for automatic registration of low resolution range images. Pattern Recognition, 2015, 48, 2859-2871.	5.1	23
178	Effect of prosthodontic planning on intercuspal occlusal contacts: Comparison of digital and conventional planning. Computers in Biology and Medicine, 2015, 60, 143-150.	3.9	4
179	Efficient RGB-D object categorization using cascaded ensembles of randomized decision trees. , 2015, , .		22
180	Deep Reconstruction Models for Image Set Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 713-727.	9.7	145

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181	A Curvelet-based approach for textured 3D face recognition. Pattern Recognition, 2015, 48, 1235-1246.	5.1	52
182	A confidence-based late fusion framework for audio-visual biometric identification. Pattern Recognition Letters, 2015, 52, 65-71.	2.6	22
183	A novel local surface feature for 3D object recognition under clutter and occlusion. Information Sciences, 2015, 293, 196-213.	4.0	99
184	Performance Evaluation of 3D Local Feature Descriptors. Lecture Notes in Computer Science, 2015, , 178-194.	1.0	4
185	A Novel Information Theoretic Approach to Gene Selection for Cancer Classification Using Microarray Data. Current Bioinformatics, 2015, 10, 431-440.	0.7	0
186	A benchmark 3D fingerprint database. , 2014, , .		25
187	Performance evaluation of large 3D fingerprint databases. Electronics Letters, 2014, 50, 1060-1061.	0.5	68
188	A model-free approach for the segmentation of unknown objects. , 2014, , .		6
189	Performance Evaluation of 3D Local Surface Descriptors for Low and High Resolution Range Image Registration. , 2014, , .		10
190	Fingerprint Indexing Based on Combination of Novel Minutiae Triplet Features. Lecture Notes in Computer Science, 2014, , 377-388.	1.0	11
191	An efficient 3D face recognition approach using local geometrical signatures. Pattern Recognition, 2014, 47, 509-524.	5.1	97
192	Automatic Feature Learning for Robust Shadow Detection. , 2014, , .		93
193	Learning Non-linear Reconstruction Models for Image Set Classification. , 2014, , .		47
194	An Automatic Framework for Textured 3D Video-Based Facial Expression Recognition. IEEE Transactions on Affective Computing, 2014, 5, 301-313.	5.7	35
195	Quantitative Error Analysis of Bilateral Filtering. IEEE Signal Processing Letters, 2014, , 1-1.	2.1	3
196	An Accurate and Robust Range Image Registration Algorithm for 3D Object Modeling. IEEE Transactions on Multimedia, 2014, 16, 1377-1390.	5.2	125
197	3-D Face Recognition Using Curvelet Local Features. IEEE Signal Processing Letters, 2014, 21, 172-175.	2.1	41
198	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

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199	Trends in Computer-Aided Manufacturing in Prosthodontics: A Review of the Available Streams. International Journal of Dentistry, 2014, 2014, 1-15.	0.5	219
200	Geometry Driven Semantic Labeling of Indoor Scenes. Lecture Notes in Computer Science, 2014, , 679-694.	1.0	32
201	Reverse Training: An Efficient Approach for Image Set Classification. Lecture Notes in Computer Science, 2014, , 784-799.	1.0	17
202	Model-Free Segmentation and Grasp Selection of Unknown Stacked Objects. Lecture Notes in Computer Science, 2014, , 659-674.	1.0	7
203	Precision of Digital Prosthodontic Planning for Oral Rehabilitation. British Journal of Applied Science & Technology, 2014, 4, 3915-3929.	0.2	3
204	Discriminative fusion of shape and appearance features for human pose estimation. Pattern Recognition, 2013, 46, 3223-3237.	5.1	17
205	Rotational Projection Statistics for 3D Local Surface Description and Object Recognition. International Journal of Computer Vision, 2013, 105, 63-86.	10.9	503
206	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
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