

Mohammed Bennamoun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

316
papers

9,096
citations

46
h-index

88
g-index

375
ext. papers

11,695
ext. citations

4.5
avg, IF

6.86
L-index

#	Paper	IF	Citations
3 ¹⁶	MEDAS: an open-source platform as a service to help break the walls between medicine and informatics.. <i>Neural Computing and Applications</i> , 2022 , 1-21	4.8	1
3 ¹⁵	ScoreGAN: A Fraud Review Detector Based on Regulated GAN With Data Augmentation. <i>IEEE Transactions on Information Forensics and Security</i> , 2022 , 17, 280-291	8	2
3 ¹⁴	Soft Exemplar Highlighting for Cross-View Image-based Geo-localization.. <i>IEEE Transactions on Image Processing</i> , 2022 , PP,	8.7	4
3 ¹³	Machine learning models outperform deep learning models, provide interpretation and facilitate feature selection for soybean trait prediction.. <i>BMC Plant Biology</i> , 2022 , 22, 180	5.3	0
3 ¹²	Hands-On Bayesian Neural Networks A Tutorial for Deep Learning Users. <i>IEEE Computational Intelligence Magazine</i> , 2022 , 17, 29-48	5.6	13
3 ¹¹	Deep Learning for 3D Point Clouds: A Survey. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 4338-4364	13.3	268
3 ¹⁰	CAMERAS: Enhanced Resolution And Sanity preserving Class Activation Mapping for image saliency 2021 ,		5
3 ⁰⁹	A Novel Incremental Learning Driven Instance Segmentation Framework to Recognize Highly Cluttered Instances of the Contraband Items. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-15	7.3	2
3 ⁰⁸	HIN-RNN: A Graph Representation Learning Neural Network for Fraudster Group Detection With No Handcrafted Features. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	2
3 ⁰⁷	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 3967-3980	6.4	5
3 ⁰⁶	Maize Yield Prediction at an Early Developmental Stage Using Multispectral Images and Genotype Data for Preliminary Hybrid Selection. <i>Remote Sensing</i> , 2021 , 13, 3976	5	8
3 ⁰⁵	U-net based analysis of MRI for Alzheimer's disease diagnosis. <i>Neural Computing and Applications</i> , 2021 , 33, 13587	4.8	5
3 ⁰⁴	Resources for image-based high-throughput phenotyping in crops and data sharing challenges. <i>Plant Physiology</i> , 2021 , 187, 699-715	6.6	3
3 ⁰³	Diffusion Geometry Derived Keypoints and Local Descriptors for 3D Deformable Shape Analysis. <i>Journal of Circuits, Systems and Computers</i> , 2021 , 30, 2150016	0.9	7
3 ⁰²	Image-Based 3D Object Reconstruction: State-of-the-Art and Trends in the Deep Learning Era. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 1578-1604	13.3	82
3 ⁰¹	Multi-Modal Co-Learning for Liver Lesion Segmentation on PET-CT Images. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3531-3542	11.7	6
3 ⁰⁰	DFraud Multi-Component Fraud Detection Free of Cold-Start. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 3456-3468	8	1

299	Modelling Mass Crowd Using Discrete Event Simulation: A Case Study of Integrated Tawaf and Sayee Rituals During Hajj. <i>IEEE Access</i> , 2021 , 9, 79424-79448	3.5	3
298	Text to Image Synthesis for Improved Image Captioning. <i>IEEE Access</i> , 2021 , 9, 64918-64928	3.5	2
297	Applications of machine learning to undifferentiated chest pain in the emergency department: A systematic review. <i>PLoS ONE</i> , 2021 , 16, e0252612	3.7	5
296	Machine learning risk prediction model for acute coronary syndrome and death from use of non-steroidal anti-inflammatory drugs in administrative data. <i>Scientific Reports</i> , 2021 , 11, 18314	4.9	1
295	Explainable artificial intelligence for pharmacovigilance: What features are important when predicting adverse outcomes?. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 212, 106415	6.9	2
294	Progressive conditional GAN-based augmentation for 3D object recognition. <i>Neurocomputing</i> , 2021 , 460, 20-30	5.4	1
293	Real time surveillance for low resolution and limited data scenarios: An image set classification approach. <i>Information Sciences</i> , 2021 , 580, 578-597	7.7	1
292	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	2
291	Analysis and Variants of Broad Learning System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	8
290	Block Level Skip Connections Across Cascaded V-Net for Multi-Organ Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2782-2793	11.7	18
289	A Survey on Deep Learning Techniques for Stereo-based Depth Estimation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13.3	23
288	Automatic Hierarchical Classification of Kelps Using Deep Residual Features. <i>Sensors</i> , 2020 , 20,	3.8	15
287	Automatic detection of Western rock lobster using synthetic data. <i>ICES Journal of Marine Science</i> , 2020 , 77, 1308-1317	2.7	8
286	ResFeats: Residual network based features for underwater image classification. <i>Image and Vision Computing</i> , 2020 , 93, 103811	3.7	21
285	A High-Performance Spectral-Spatial Residual Network for Hyperspectral Image Classification with Small Training Data. <i>Remote Sensing</i> , 2020 , 12, 3137	5	6
284	Efficient Detection of Pixel-Level Adversarial Attacks 2020 ,		1
283	Meta-Transfer Learning Driven Tensor-Shot Detector for the Autonomous Localization and Recognition of Concealed Baggage Threats. <i>Sensors</i> , 2020 , 20,	3.8	11
282	Guest Editors Introduction to the Special Issue on RGB-D Vision: Methods and Applications. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 2329-2332	13.3	

281	Attack to Explain Deep Representation 2020 ,		5
280	A Dataset of Pulmonary Lesions With Multiple-Level Attributes and Fine Contours. <i>Frontiers in Digital Health</i> , 2020 , 2, 609349	2.3	
279	Deep learning-based 3D local feature descriptor from Mercator projections. <i>Computer Aided Geometric Design</i> , 2019 , 74, 101771	1.2	3
278	Relationship Detection Based on Object Semantic Inference and Attention Mechanisms 2019 ,		3
277	Global Regularizer and Temporal-Aware Cross-Entropy for Skeleton-Based Early Action Recognition. <i>Lecture Notes in Computer Science</i> , 2019 , 729-745	0.9	3
276	Deep Learning for Scene Understanding. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 21-51	0.5	4
275	Machine learning-based prediction of heart failure readmission or death: implications of choosing the right model and the right metrics. <i>ESC Heart Failure</i> , 2019 , 6, 428-435	3.7	50
274	Enhanced q-least Mean Square. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 4817-4839	2.2	8
273	Automated segmentation of gravel particles from depth images of gravel-soil mixtures. <i>Computers and Geosciences</i> , 2019 , 128, 1-10	4.5	5
272	LCEval: Learned Composite Metric for Caption Evaluation. <i>International Journal of Computer Vision</i> , 2019 , 127, 1586-1610	10.6	3
271	Feature selection and transformation by machine learning reduce variable numbers and improve prediction for heart failure readmission or death. <i>PLoS ONE</i> , 2019 , 14, e0218760	3.7	12
270	Review of Modelling and Simulating Crowds at Mass Gathering Events: Hajj as a Case Study. <i>Jasss</i> , 2019 , 22,	4.8	10
269	Attention-Based Image Captioning Using DenseNet Features. <i>Communications in Computer and Information Science</i> , 2019 , 109-117	0.3	1
268	Learning-Based Confidence Estimation for Multi-modal Classifier Fusion. <i>Lecture Notes in Computer Science</i> , 2019 , 299-312	0.9	1
267	RGB-D Image-Based Object Detection: From Traditional Methods to Deep Learning Techniques. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 169-201	1.1	4
266	Direct Image to Point Cloud Descriptors Matching for 6-DOF Camera Localization in Dense 3D Point Clouds. <i>Lecture Notes in Computer Science</i> , 2019 , 222-234	0.9	0
265	Learning Latent Global Network for Skeleton-based Action Prediction. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	28
264	Machine Learning Approaches for Prediction of Facial Rejuvenation Using Real and Synthetic Data. <i>IEEE Access</i> , 2019 , 7, 23779-23787	3.5	1

263	Bi-SAN-CAP: Bi-Directional Self-Attention for Image Captioning 2019 ,		2
262	Faster R-CNN Based Deep Learning for Seagrass Detection from Underwater Digital Images 2019 ,		9
261	Neural Representations of Natural Language. <i>Studies in Computational Intelligence</i> , 2019 ,	0.8	2
260	Introduction to Neural Networks for Machine Learning. <i>Studies in Computational Intelligence</i> , 2019 , 1-21	0.8	1
259	Recurrent Neural Networks for Sequential Processing. <i>Studies in Computational Intelligence</i> , 2019 , 23-36	0.8	
258	Word Representations. <i>Studies in Computational Intelligence</i> , 2019 , 37-71	0.8	
257	Word Sense Representations. <i>Studies in Computational Intelligence</i> , 2019 , 73-92	0.8	
256	Sentence Representations and Beyond. <i>Studies in Computational Intelligence</i> , 2019 , 93-114	0.8	1
255	NormalNet: A voxel-based CNN for 3D object classification and retrieval. <i>Neurocomputing</i> , 2019 , 323, 139-147	5.4	50
254	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 1011-1021	6.6	37
253	Deep Image Representations for Coral Image Classification. <i>IEEE Journal of Oceanic Engineering</i> , 2019 , 44, 121-131	3.3	24
252	Redundancy and Attention in Convolutional LSTM for Gesture Recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 ,	10.3	16
251	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 1712-1723	6.6	24
250	Evolutionary Feature Learning for 3-D Object Recognition. <i>IEEE Access</i> , 2018 , 6, 2434-2444	3.5	6
249	A Guide to Convolutional Neural Networks for Computer Vision. <i>Synthesis Lectures on Computer Vision</i> , 2018 , 8, 1-207	1	174
248	Application of Artificial Intelligence in Coronary Computed Tomography Angiography. <i>Current Cardiovascular Imaging Reports</i> , 2018 , 11, 1	0.7	4
247	Improved colour-to-grey method using image segmentation and colour difference model for colour vision deficiency. <i>IET Image Processing</i> , 2018 , 12, 314-319	1.7	8
246	Generating Bags of Words from the Sums of Their Word Embeddings. <i>Lecture Notes in Computer Science</i> , 2018 , 91-102	0.9	1

245	Learning Clip Representations for Skeleton-Based 3D Action Recognition. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2842-2855	8.7	103
244	Improving Semantic Image Segmentation With a Probabilistic Superpixel-Based Dense Conditional Random Field. <i>IEEE Access</i> , 2018 , 6, 15297-15310	3.5	13
243	RAFP-Pred: Robust Prediction of Antifreeze Proteins Using Localized Analysis of n-Peptide Compositions. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018 , 15, 244-250	3	17
242	Efficient finer-grained incremental processing with MapReduce for big data. <i>Future Generation Computer Systems</i> , 2018 , 80, 102-111	7.5	5
241	Cost-Sensitive Learning of Deep Feature Representations From Imbalanced Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3573-3587	10.3	215
240	Three-dimensional scanning for measurement of bulk density in gravelly soils. <i>Soil Use and Management</i> , 2018 , 34, 380-387	3.1	7
239	Learning-based Composite Metrics for Improved Caption Evaluation 2018 ,		7
238	NNEval: Neural Network Based Evaluation Metric for Image Captioning. <i>Lecture Notes in Computer Science</i> , 2018 , 39-55	0.9	2
237	A Multi-Modal, Discriminative and Spatially Invariant CNN for RGB-D Object Labeling. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 2051-2065	13.3	25
236	Machine learning in heart failure: ready for prime time. <i>Current Opinion in Cardiology</i> , 2018 , 33, 190-195	2.1	43
235	Generalized Joint Sparse Representation for Multimodal Biometric Fusion of Heterogeneous Features 2018 ,		3
234	Classification of Corals in Reflectance and Fluorescence Images Using Convolutional Neural Network Representations 2018 ,		1
233	Semantic scene completion with dense CRF from a single depth image. <i>Neurocomputing</i> , 2018 , 318, 182-195	3.4	12
232	Response to "Ghost Numbers". <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 2540	13.3	
231	Identity Adaptation for Person Re-Identification. <i>IEEE Access</i> , 2018 , 6, 48147-48155	3.5	3
230	A Fractional Gradient Descent-Based RBF Neural Network. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 5311-5332	2.2	28
229	Computer Vision for Human-Machine Interaction 2018 , 127-145		32
228	Exploiting layerwise convexity of rectifier networks with sign constrained weights. <i>Neural Networks</i> , 2018 , 105, 419-430	9.1	

227	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	0
226	Iris recognition using class-specific dictionaries. <i>Computers and Electrical Engineering</i> , 2017 , 62, 178-193	4.3	7
225	RGB-D Object Recognition and Grasp Detection Using Hierarchical Cascaded Forests. <i>IEEE Transactions on Robotics</i> , 2017 , 33, 547-564	6.5	65
224	Discriminative feature learning and region consistency activation for robust scene labeling. <i>Neurocomputing</i> , 2017 , 243, 174-186	5.4	
223	Empowering Simple Binary Classifiers for Image Set Based Face Recognition. <i>International Journal of Computer Vision</i> , 2017 , 123, 479-498	10.6	18
222	Scale space clustering evolution for salient region detection on 3D deformable shapes. <i>Pattern Recognition</i> , 2017 , 71, 414-427	7.7	16
221	Forest Change Detection in Incomplete Satellite Images With Deep Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 5407-5423	8.1	83
220	Deep feature learning for dummies: A simple auto-encoder training method using Particle Swarm Optimisation. <i>Pattern Recognition Letters</i> , 2017 , 94, 75-80	4.7	11
219	SkeletonNet: Mining Deep Part Features for 3-D Action Recognition. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 731-735	3.2	102
218	A cascade gray-stereo visual feature extraction method for visual and audio-visual speech recognition. <i>Speech Communication</i> , 2017 , 90, 26-38	2.8	7
217	Deep Learning for Coral Classification 2017 , 383-401		18
216	Efficient Image Set Classification Using Linear Regression Based Image Reconstruction 2017 ,		13
215	VP-FLMS: A Novel Variable Power Fractional LMS Algorithm 2017 ,		9
214	Deep Learning on Underwater Marine Object Detection: A Survey. <i>Lecture Notes in Computer Science</i> , 2017 , 150-160	0.9	43
213	Keypoints-based surface representation for 3D modeling and 3D object recognition. <i>Pattern Recognition</i> , 2017 , 64, 29-38	7.7	26
212	A Novel Adaptive Kernel for the RBF Neural Networks. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 1639-1653	2.2	24
211	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 317-326	6.6	17
210	2D and 3D face recognition using convolutional neural network 2017 ,		7

209	Learning Action Recognition Model from Depth and Skeleton Videos 2017 ,		48
208	A New Representation of Skeleton Sequences for 3D Action Recognition 2017 ,		335
207	NSCT-based fusion method for forward-looking sonar image mosaic. <i>IET Radar, Sonar and Navigation</i> , 2017 , 11, 1512-1522	1.4	5
206	Resfeats: Residual network based features for image classification 2017 ,		17
205	FLMF: Fractional least mean fourth algorithm for channel estimation in non-Gaussian environment 2017 ,		5
204	Learning Spatiotemporal Features Using 3DCNN and Convolutional LSTM for Gesture Recognition 2017 ,		82
203	A robust variable step size fractional least mean square (RVSS-FLMS) algorithm 2017 ,		8
202	ECMSRC: A Sparse Learning Approach for the Prediction of Extracellular Matrix Proteins. <i>Current Bioinformatics</i> , 2017 , 12,	4.7	18
201	Learning deep structured network for weakly supervised change detection 2017 ,		17
200	An RGBD based image set classification for robust face recognition from Kinect data. <i>Neurocomputing</i> , 2016 , 171, 889-900	5.4	22
199	A Comprehensive Performance Evaluation of 3D Local Feature Descriptors. <i>International Journal of Computer Vision</i> , 2016 , 116, 66-89	10.6	295
198	Partial fingerprint indexing: a combination of local and reconstructed global features. <i>Concurrency Computation Practice and Experience</i> , 2016 , 28, 2940-2957	1.4	8
197	Binary Descriptor Based on Heat Diffusion for Non-rigid Shape Analysis. <i>Lecture Notes in Computer Science</i> , 2016 , 751-761	0.9	
196	Deep Boltzmann Machines for i-Vector Based Audio-Visual Person Identification. <i>Lecture Notes in Computer Science</i> , 2016 , 631-641	0.9	2
195	Integrating Geometrical Context for Semantic Labeling of Indoor Scenes using RGBD Images. <i>International Journal of Computer Vision</i> , 2016 , 117, 1-20	10.6	18
194	Automatic Shadow Detection and Removal from a Single Image. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 431-46	13.3	122
193	Impact of digital prosthodontic planning on dental esthetics: Biometric analysis of esthetic parameters. <i>Journal of Prosthetic Dentistry</i> , 2016 , 115, 57-64	4	12
192	A spatio-temporal RBM-based model for facial expression recognition. <i>Pattern Recognition</i> , 2016 , 49, 152-161	7.7	45

191	Iterative deep learning for image set based face and object recognition. <i>Neurocomputing</i> , 2016 , 174, 866-874	5.4	50
190	A Two-Phase Weighted Collaborative Representation for 3D partial face recognition with single sample. <i>Pattern Recognition</i> , 2016 , 52, 218-237	7.7	62
189	Human Interaction Prediction Using Deep Temporal Features. <i>Lecture Notes in Computer Science</i> , 2016 , 403-414	0.9	24
188	Simultaneous dense scene reconstruction and object labeling 2016 ,		5
187	Audio-visual biometric recognition via joint sparse representations 2016 ,		1
186	Coral classification with hybrid feature representations 2016 ,		32
185	Forward-looking sonar image registration using polar transform 2016 ,		1
184	Automatic annotation of coral reefs using deep learning 2016 ,		21
183	A Discriminative Representation of Convolutional Features for Indoor Scene Recognition. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3372-3383	8.7	56
182	A semantic RBM-based model for image set classification. <i>Neurocomputing</i> , 2016 , 205, 507-518	5.4	8
181	A novel feature representation for automatic 3D object recognition in cluttered scenes. <i>Neurocomputing</i> , 2016 , 205, 1-15	5.4	16
180	Unsupervised segmentation of unknown objects in complex environments. <i>Autonomous Robots</i> , 2016 , 40, 805-829	3	10
179	Visual Speech Feature Representations: Recent Advances 2016 , 377-396		
178	EI3D: Expression-invariant 3D face recognition based on feature and shape matching. <i>Pattern Recognition Letters</i> , 2016 , 83, 403-412	4.7	24
177	A Spatial Layout and Scale Invariant Feature Representation for Indoor Scene Classification. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4829-4841	8.7	41
176	A novel 3D vorticity based approach for automatic registration of low resolution range images. <i>Pattern Recognition</i> , 2015 , 48, 2859-2871	7.7	19
175	Effect of prosthodontic planning on intercuspal occlusal contacts: comparison of digital and conventional planning. <i>Computers in Biology and Medicine</i> , 2015 , 60, 143-50	7	2
174	Efficient RGB-D object categorization using cascaded ensembles of randomized decision trees 2015 ,		20

173	Deep Reconstruction Models for Image Set Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 713-27	13.3	114
172	A Curvelet-based approach for textured 3D face recognition. <i>Pattern Recognition</i> , 2015 , 48, 1235-1246	7.7	37
171	A confidence-based late fusion framework for audio-visual biometric identification. <i>Pattern Recognition Letters</i> , 2015 , 52, 65-71	4.7	18
170	A novel local surface feature for 3D object recognition under clutter and occlusion. <i>Information Sciences</i> , 2015 , 293, 196-213	7.7	74
169	Feature Selection for 2D and 3D Face Recognition 2015 , 1-28		16
168	Influence of Conventional and Digital Wax-ups on Axial Tooth Contour. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2015 , 35, e50-9	2.1	2
167	Outdoor scene labelling with learned features and region consistency activation 2015 ,		1
166	Heterogeneous Multi-column ConvNets with a Fusion Framework for Object Recognition 2015 ,		1
165	A deep neural network for audio-visual person recognition 2015 ,		5
164	Effect of prosthodontic planning on lateral occlusion scheme: a comparison between conventional and digital planning. <i>Journal of Applied Oral Science</i> , 2015 , 23, 196-205	3.3	3
163	A Unified Framework for Brain Segmentation in MR Images. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 829893	2.8	8
162	Contractive Rectifier Networks for Nonlinear Maximum Margin Classification 2015 ,		5
161	Extracting deep bottleneck features for visual speech recognition 2015 ,		6
160	How Well Sentence Embeddings Capture Meaning 2015 ,		12
159	Separating objects and clutter in indoor scenes 2015 ,		12
158	Discriminative feature learning for efficient RGB-D object recognition 2015 ,		7
157	Listening with Your Eyes: Towards a Practical Visual Speech Recognition System Using Deep Boltzmann Machines 2015 ,		12
156	A novel algorithm for efficient depth segmentation using low resolution (Kinect) images 2015 ,		4

155	An Integrated Framework for 3-D Modeling, Object Detection, and Pose Estimation From Point-Clouds. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015 , 64, 683-693	5.2	51
154	A Low-Cost Implementation of a 360° Vision Distributed Aperture System. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 225-238	6.4	3
153	Performance Evaluation of 3D Local Feature Descriptors. <i>Lecture Notes in Computer Science</i> , 2015 , 178-184		3
152	Sign Constrained Rectifier Networks with Applications to Pattern Decompositions. <i>Lecture Notes in Computer Science</i> , 2015 , 546-559	0.9	
151	An efficient 3D face recognition approach using local geometrical signatures. <i>Pattern Recognition</i> , 2014 , 47, 509-524	7.7	75
150	Automatic Feature Learning for Robust Shadow Detection 2014 ,		62
149	Learning Non-linear Reconstruction Models for Image Set Classification 2014 ,		41
148	An Automatic Framework for Textured 3D Video-Based Facial Expression Recognition. <i>IEEE Transactions on Affective Computing</i> , 2014 , 5, 301-313	5.7	27
147	Quantitative Error Analysis of Bilateral Filtering. <i>IEEE Signal Processing Letters</i> , 2014 , 1-1	3.2	3
146	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 1377-1390	6.6	93
145	3-D Face Recognition Using Curvelet Local Features. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 172-175	3.2	33
144	3D Object Recognition in Cluttered Scenes with Local Surface Features: A Survey. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 2270-87	13.3	348
143	Trends in computer-aided manufacturing in prosthodontics: a review of the available streams. <i>International Journal of Dentistry</i> , 2014 , 2014, 783948	1.9	123
142	A benchmark 3D fingerprint database 2014 ,		17
141	Performance evaluation of large 3D fingerprint databases. <i>Electronics Letters</i> , 2014 , 50, 1060-1061	1.1	37
140	A model-free approach for the segmentation of unknown objects 2014 ,		6
139	Performance Evaluation of 3D Local Surface Descriptors for Low and High Resolution Range Image Registration 2014 ,		7
138	Fingerprint Indexing Based on Combination of Novel Minutiae Triplet Features. <i>Lecture Notes in Computer Science</i> , 2014 , 377-388	0.9	6

137	Precision of Digital Prosthodontic Planning for Oral Rehabilitation. <i>British Journal of Applied Science & Technology</i> , 2014 , 4, 3915-3929		3
136	Geometry Driven Semantic Labeling of Indoor Scenes. <i>Lecture Notes in Computer Science</i> , 2014 , 679-694	0.9	20
135	Reverse Training: An Efficient Approach for Image Set Classification. <i>Lecture Notes in Computer Science</i> , 2014 , 784-799	0.9	15
134	Model-Free Segmentation and Grasp Selection of Unknown Stacked Objects. <i>Lecture Notes in Computer Science</i> , 2014 , 659-674	0.9	6
133	Discriminative fusion of shape and appearance features for human pose estimation. <i>Pattern Recognition</i> , 2013 , 46, 3223-3237	7.7	17
132	Rotational Projection Statistics for 3D Local Surface Description and Object Recognition. <i>International Journal of Computer Vision</i> , 2013 , 105, 63-86	10.6	347
131	A Gaussian process guided particle filter for tracking 3D human pose in video. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 4286-300	8.7	20
130	A low cost 3D markerless system for the reconstruction of athletic techniques 2013 ,		4
129	A Novel Local Surface Description for Automatic 3D Object Recognition in Low Resolution Cluttered Scenes 2013 ,		16
128	3D free form object recognition using rotational projection statistics 2013 ,		14
127	Clustering of video-patches on Grassmannian manifold for facial expression recognition from 3D videos 2013 ,		8
126	Automatic object detection using objectness measure 2013 ,		6
125	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. <i>Annals of Oncology</i> , 2013 , 24, 412-419	10.3	67
124	Multibiometric human recognition using 3D ear and face features. <i>Pattern Recognition</i> , 2013 , 46, 613-627	7.7	26
123	An efficient 3D face recognition approach based on the fusion of novel local low-level features. <i>Pattern Recognition</i> , 2013 , 46, 24-37	7.7	67
122	3D face identification using Curvelet transform 2013 ,		2
121	RoPS: A local feature descriptor for 3D rigid objects based on rotational projection statistics 2013 ,		3
120	Integrating shape and color cues for textured 3D object recognition 2013 ,		1

119	Performance evaluation of 2D to 3D fingerprint recognition 2013 ,		4
118	A lip extraction algorithm using region-based ACM with automatic contour initialization 2013 ,		4
117	3D-Div: A novel local surface descriptor for feature matching and pairwise range image registration 2013 ,		10
116	A Three Dimensional Imaging-Based Framework for Planning Maxillomandibular Advancement Surgery for the Treatment of Obstructive Sleep Apnoea 2013 ,		1
115	Three-dimensional image registration as a tool for forensic odontology: a preliminary investigation. <i>American Journal of Forensic Medicine and Pathology</i> , 2013 , 34, 260-6	1	14
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19	From unordered range images to 3D models: a fully automatic multiview correspondence algorithm		7
18	Simultaneous registration of multiple point sets using orthonormal matrices		4
17	A constrained minimisation approach to optimise Gabor filters for detecting flaws in woven textiles		7
16	Textile flaw detection using optimal Gabor filters		8
15	Automatic flaw detection in textiles using a Neyman-Pearson detector		6
14	A recognition-based Arabic optical character recognition system		8
13	Optimal parameters for edge detection		4
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