

Mohammed Bennamoun

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88
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375
ext. papers

11,695
ext. citations

4.5
avg, IF

6.86
L-index

#	Paper	IF	Citations
3 ¹⁶	Linear regression for face recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 2106-12	13.3	687
3 ¹⁵	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
3 ¹⁴	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
3 ¹³	A New Representation of Skeleton Sequences for 3D Action Recognition 2017 ,		335
3 ¹²	Three-dimensional model-based object recognition and segmentation in cluttered scenes. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2006 , 28, 1584-601	13.3	332
3 ¹¹	An efficient multimodal 2D-3D hybrid approach to automatic face recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 1927-43	13.3	311
3 ¹⁰	A Comprehensive Performance Evaluation of 3D Local Feature Descriptors. <i>International Journal of Computer Vision</i> , 2016 , 116, 66-89	10.6	295
3 ⁰⁹	On the Repeatability and Quality of Keypoints for Local Feature-based 3D Object Retrieval from Cluttered Scenes. <i>International Journal of Computer Vision</i> , 2010 , 89, 348-361	10.6	280
3 ⁰⁸	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 ⁰⁷	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
3 ⁰⁶	Keypoint Detection and Local Feature Matching for Textured 3D Face Recognition. <i>International Journal of Computer Vision</i> , 2008 , 79, 1-12	10.6	175
3 ⁰⁵	A Guide to Convolutional Neural Networks for Computer Vision. <i>Synthesis Lectures on Computer Vision</i> , 2018 , 8, 1-207	1	174
3 ⁰⁴	Ontology learning from text. <i>ACM Computing Surveys</i> , 2012 , 44, 1-36	13.4	169
3 ⁰³	A Novel Representation and Feature Matching Algorithm for Automatic Pairwise Registration of Range Images. <i>International Journal of Computer Vision</i> , 2006 , 66, 19-40	10.6	132
3 ⁰²	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
3 ⁰¹	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
3 ⁰⁰	An Expression Deformation Approach to Non-rigid 3D Face Recognition. <i>International Journal of Computer Vision</i> , 2009 , 81, 302-316	10.6	119

299	Optimal Gabor filters for textile flaw detection. <i>Pattern Recognition</i> , 2002 , 35, 2973-2991	7.7	119
298	Deep Reconstruction Models for Image Set Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 713-27	13.3	114
297	Learning Clip Representations for Skeleton-Based 3D Action Recognition. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2842-2855	8.7	103
296	SkeletonNet: Mining Deep Part Features for 3-D Action Recognition. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 731-735	3.2	102
295	Robust regression for face recognition. <i>Pattern Recognition</i> , 2012 , 45, 104-118	7.7	100
294	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 1377-1390	6.6	93
293	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
292	Learning Spatiotemporal Features Using 3DCNN and Convolutional LSTM for Gesture Recognition 2017 ,		82
291	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
290	An efficient 3D face recognition approach using local geometrical signatures. <i>Pattern Recognition</i> , 2014 , 47, 509-524	7.7	75
289	A novel local surface feature for 3D object recognition under clutter and occlusion. <i>Information Sciences</i> , 2015 , 293, 196-213	7.7	74
288	An Arabic optical character recognition system using recognition-based segmentation. <i>Pattern Recognition</i> , 2001 , 34, 215-233	7.7	72
287	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
286	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
285	RGB-D Object Recognition and Grasp Detection Using Hierarchical Cascaded Forests. <i>IEEE Transactions on Robotics</i> , 2017 , 33, 547-564	6.5	65
284	Simultaneous Registration of Multiple Corresponding Point Sets. <i>Computer Vision and Image Understanding</i> , 2001 , 81, 117-142	4.3	65
283	Spatially optimized data-level fusion of texture and shape for face recognition. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 859-72	8.7	63
282	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

281	Automatic Feature Learning for Robust Shadow Detection 2014 ,		62
280	Efficient Detection and Recognition of 3D Ears. <i>International Journal of Computer Vision</i> , 2011 , 95, 52-73	10.6	59
279	A training-free nose tip detection method from face range images. <i>Pattern Recognition</i> , 2011 , 44, 544-558	7	58
278	A Discriminative Representation of Convolutional Features for Indoor Scene Recognition. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3372-3383	8.7	56
277	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
276	AUTOMATIC CORRESPONDENCE FOR 3D MODELING: AN EXTENSIVE REVIEW. <i>International Journal of Shape Modeling</i> , 2005 , 11, 253-291		51
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	Iterative deep learning for image set based face and object recognition. <i>Neurocomputing</i> , 2016 , 174, 866-874	5.4	50
273	NormalNet: A voxel-based CNN for 3D object classification and retrieval. <i>Neurocomputing</i> , 2019 , 323, 139-147	5.4	50
272	Learning Action Recognition Model from Depth and Skeleton Videos 2017 ,		48
271	2006 ,		48
270	Fast and Fully Automatic Ear Detection Using Cascaded AdaBoost 2008 ,		46
269	A spatio-temporal RBM-based model for facial expression recognition. <i>Pattern Recognition</i> , 2016 , 49, 152-161	7.7	45
268	Deep Learning on Underwater Marine Object Detection: A Survey. <i>Lecture Notes in Computer Science</i> , 2017 , 150-160	0.9	43
267	Machine learning in heart failure: ready for prime time. <i>Current Opinion in Cardiology</i> , 2018 , 33, 190-195	2.1	43
266	Learning Non-linear Reconstruction Models for Image Set Classification 2014 ,		41
265	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
264	Nature-Inspired Techniques in the Context of Fraud Detection. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 1273-1290		40

263	Integration of local and global geometrical cues for 3D face recognition. <i>Pattern Recognition</i> , 2008 , 41, 1030-1040	7.7	38
262	A Curvelet-based approach for textured 3D face recognition. <i>Pattern Recognition</i> , 2015 , 48, 1235-1246	7.7	37
261	Performance evaluation of large 3D fingerprint databases. <i>Electronics Letters</i> , 2014 , 50, 1060-1061	1.1	37
260	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 1011-1021	6.6	37
259	Representation and Recognition of 3D Free-Form Objects 2002 , 12, 47-76		36
258	Sparse Representation for Speaker Identification 2010 ,		35
257	3-D Face Recognition Using Curvelet Local Features. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 172-175	3.2	33
256	Suitability Analysis of Techniques for Flaw Detection in Textiles using Texture Analysis. <i>Pattern Analysis and Applications</i> , 2000 , 3, 254-266	2.3	32
255	Coral classification with hybrid feature representations 2016 ,		32
254	Computer Vision for HumanMachine Interaction 2018 , 127-145		32
253	Tree-Traversing Ant Algorithm for term clustering based on featureless similarities. <i>Data Mining and Knowledge Discovery</i> , 2007 , 15, 349-381	5.6	31
252	Combined HER2 analysis of biopsies and surgical specimens to optimize detection of trastuzumab-eligible patients in eso-gastric adenocarcinoma: a GERCOR study. <i>Annals of Oncology</i> , 2013 , 24, 3035-9	10.3	29
251	Learning Latent Global Network for Skeleton-based Action Prediction. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	28
250	A Fractional Gradient Descent-Based RBF Neural Network. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 5311-5332	2.2	28
249	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
248	Multibiometric human recognition using 3D ear and face features. <i>Pattern Recognition</i> , 2013 , 46, 613-627	7.7	26
247	Keypoints-based surface representation for 3D modeling and 3D object recognition. <i>Pattern Recognition</i> , 2017 , 64, 29-38	7.7	26
246	A pitfall in fingerprint bio-cryptographic key generation. <i>Computers and Security</i> , 2011 , 30, 311-319	4.9	25

245	Reliability analysis of the rank transform for stereo matching. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2001 , 31, 870-80		25
244	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
243	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 1712-1723	6.6	24
242	A Novel Adaptive Kernel for the RBF Neural Networks. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 1639-1653	2.2	24
241	Human Interaction Prediction Using Deep Temporal Features. <i>Lecture Notes in Computer Science</i> , 2016 , 403-414	0.9	24
240	EI3D: Expression-invariant 3D face recognition based on feature and shape matching. <i>Pattern Recognition Letters</i> , 2016 , 83, 403-412	4.7	24
239	Deep Image Representations for Coral Image Classification. <i>IEEE Journal of Oceanic Engineering</i> , 2019 , 44, 121-131	3.3	24
238	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
237	An RGBD based image set classification for robust face recognition from Kinect data. <i>Neurocomputing</i> , 2016 , 171, 889-900	5.4	22
236	ResFeats: Residual network based features for underwater image classification. <i>Image and Vision Computing</i> , 2020 , 93, 103811	3.7	21
235	Automatic annotation of coral reefs using deep learning 2016 ,		21
234	Efficient RGB-D object categorization using cascaded ensembles of randomized decision trees 2015 ,		20
233	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
232	Geometry Driven Semantic Labeling of Indoor Scenes. <i>Lecture Notes in Computer Science</i> , 2014 , 679-694	0.9	20
231	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
230	Non-parametric techniques for fast and robust stereo matching		19
229	Empowering Simple Binary Classifiers for Image Set Based Face Recognition. <i>International Journal of Computer Vision</i> , 2017 , 123, 479-498	10.6	18
228	A confidence-based late fusion framework for audio-visual biometric identification. <i>Pattern Recognition Letters</i> , 2015 , 52, 65-71	4.7	18

227	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
226	Deep Learning for Coral Classification 2017 , 383-401		18
225	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
224	CALL-INDEPENDENT INDIVIDUAL IDENTIFICATION IN BIRDS. <i>Bioacoustics</i> , 2008 , 18, 51-67	1.6	18
223	ECMSRC: A Sparse Learning Approach for the Prediction of Extracellular Matrix Proteins. <i>Current Bioinformatics</i> , 2017 , 12,	4.7	18
222	A Fast and Fully Automatic Ear Recognition Approach Based on 3D Local Surface Features. <i>Lecture Notes in Computer Science</i> , 2008 , 1081-1092	0.9	18
221	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
220	Discriminative fusion of shape and appearance features for human pose estimation. <i>Pattern Recognition</i> , 2013 , 46, 3223-3237	7.7	17
219	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 317-326	6.6	17
218	Resfeats: Residual network based features for image classification 2017 ,		17
217	A benchmark 3D fingerprint database 2014 ,		17
216	A review of recent advances in 3D ear- and expression-invariant face biometrics. <i>ACM Computing Surveys</i> , 2012 , 44, 1-34	13.4	17
215	Learning deep structured network for weakly supervised change detection 2017 ,		17
214	Scale space clustering evolution for salient region detection on 3D deformable shapes. <i>Pattern Recognition</i> , 2017 , 71, 414-427	7.7	16
213	A Novel Local Surface Description for Automatic 3D Object Recognition in Low Resolution Cluttered Scenes 2013 ,		16
212	Feature Selection for 2D and 3D Face Recognition 2015 , 1-28		16
211	Sparse Representation for Ear Biometrics. <i>Lecture Notes in Computer Science</i> , 2008 , 336-345	0.9	16
210	A novel feature representation for automatic 3D object recognition in cluttered scenes. <i>Neurocomputing</i> , 2016 , 205, 1-15	5.4	16

209	Redundancy and Attention in Convolutional LSTM for Gesture Recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 ,	10.3	16
208	A structural-description-based vision system for automatic object recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1997 , 27, 893-906		15
207	Automatic Hierarchical Classification of Kelps Using Deep Residual Features. <i>Sensors</i> , 2020 , 20,	3.8	15
206	Reverse Training: An Efficient Approach for Image Set Classification. <i>Lecture Notes in Computer Science</i> , 2014 , 784-799	0.9	15
205	3D free form object recognition using rotational projection statistics 2013 ,		14
204	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
203	Illumination normalization of facial images by reversing the process of image formation. <i>Machine Vision and Applications</i> , 2011 , 22, 899-911	2.8	14
202	Improving Semantic Image Segmentation With a Probabilistic Superpixel-Based Dense Conditional Random Field. <i>IEEE Access</i> , 2018 , 6, 15297-15310	3.5	13
201	Efficient Image Set Classification Using Linear Regression Based Image Reconstruction 2017 ,		13
200	Hands-On Bayesian Neural Networks A Tutorial for Deep Learning Users. <i>IEEE Computational Intelligence Magazine</i> , 2022 , 17, 29-48	5.6	13
199	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
198	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
197	How Well Sentence Embeddings Capture Meaning 2015 ,		12
196	Separating objects and clutter in indoor scenes 2015 ,		12
195	Listening with Your Eyes: Towards a Practical Visual Speech Recognition System Using Deep Boltzmann Machines 2015 ,		12
194	A probabilistic framework for automatic term recognition. <i>Intelligent Data Analysis</i> , 2009 , 13, 499-539	1.1	12
193	Semantic scene completion with dense CRF from a single depth image. <i>Neurocomputing</i> , 2018 , 318, 182-195	3.4	12
192	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

191	Real-time pose estimation of rigid objects using RGB-D imagery 2013 ,		11
190	Complete invariants for robust face recognition. <i>Pattern Recognition</i> , 2007 , 40, 1579-1591	7.7	11
189	Fast and Robust Stereo Matching Algorithms for Mining Automation 1999 , 9, 137-148		11
188	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
187	Face Recognition Using 2D and 3D Multimodal Local Features. <i>Lecture Notes in Computer Science</i> , 2006 , 860-870	0.9	11
186	Evaluation of Spatiotemporal Detectors and Descriptors for Facial Expression Recognition 2012 ,		10
185	On XCSR for electronic fraud detection. <i>Evolutionary Intelligence</i> , 2012 , 5, 139-150	1.7	10
184	3D-Div: A novel local surface descriptor for feature matching and pairwise range image registration 2013 ,		10
183	Review of Modelling and Simulating Crowds at Mass Gathering Events: Hajj as a Case Study. <i>Jasss</i> , 2019 , 22,	4.8	10
182	Unsupervised segmentation of unknown objects in complex environments. <i>Autonomous Robots</i> , 2016 , 40, 805-829	3	10
181	Biometric Approaches of 2D-3D Ear and Face: A Survey 2008 , 509-514		10
180	VP-FLMS: A Novel Variable Power Fractional LMS Algorithm 2017 ,		9
179	Robust Regression for Face Recognition 2010 ,		9
178	Robust pose invariant shape-based hand recognition 2011 ,		9
177	Automated 3D model-based free-form object recognition. <i>Sensor Review</i> , 2004 , 24, 206-215	1.4	9
176	Faster R-CNN Based Deep Learning for Seagrass Detection from Underwater Digital Images 2019 ,		9
175	2D and 3D Multimodal Hybrid Face Recognition. <i>Lecture Notes in Computer Science</i> , 2006 , 344-355	0.9	9
174	Enhanced q-least Mean Square. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 4817-4839	2.2	8

173	Analysis and Variants of Broad Learning System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	8
172	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
171	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
170	Clustering of video-patches on Grassmannian manifold for facial expression recognition from 3D videos 2013 ,		8
169	A robust variable step size fractional least mean square (RVSS-FLMS) algorithm 2017 ,		8
168	A Unified Framework for Brain Segmentation in MR Images. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 829893	2.8	8
167	Linear Regression-based Classifier for audio visual person identification 2013 ,		8
166	Acquiring Semantic Relations Using the Web for Constructing Lightweight Ontologies. <i>Lecture Notes in Computer Science</i> , 2009 , 266-277	0.9	8
165	Implementation of a statistical based Arabic character recognition system		8
164	Textile flaw detection using optimal Gabor filters		8
163	A recognition-based Arabic optical character recognition system		8
162	The development of an integrated GPS/INS/sonar navigation system for autonomous underwater vehicle navigation		8
161	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
160	Automatic detection of Western rock lobster using synthetic data. <i>ICES Journal of Marine Science</i> , 2020 , 77, 1308-1317	2.7	8
159	A semantic RBM-based model for image set classification. <i>Neurocomputing</i> , 2016 , 205, 507-518	5.4	8
158	Iris recognition using class-specific dictionaries. <i>Computers and Electrical Engineering</i> , 2017 , 62, 178-193	4.3	7
157	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
156	Three-dimensional scanning for measurement of bulk density in gravelly soils. <i>Soil Use and Management</i> , 2018 , 34, 380-387	3.1	7

155	2D and 3D face recognition using convolutional neural network 2017 ,		7
154	Discriminative feature learning for efficient RGB-D object recognition 2015 ,		7
153	Performance Evaluation of 3D Local Surface Descriptors for Low and High Resolution Range Image Registration 2014 ,		7
152	. <i>IEEE Transactions on Multimedia</i> , 2012 , 14, 683-692	6.6	7
151	Bezier curve-based generic shape encoder. <i>IET Image Processing</i> , 2010 , 4, 92	1.7	7
150	From unordered range images to 3D models: a fully automatic multiview correspondence algorithm		7
149	A constrained minimisation approach to optimise Gabor filters for detecting flaws in woven textiles		7
148	Learning-based Composite Metrics for Improved Caption Evaluation 2018 ,		7
147	Score Level Fusion of Ear and Face Local 3D Features for Fast and Expression-Invariant Human Recognition. <i>Lecture Notes in Computer Science</i> , 2009 , 387-396	0.9	7
146	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
145	Evolutionary Feature Learning for 3-D Object Recognition. <i>IEEE Access</i> , 2018 , 6, 2434-2444	3.5	6
144	Automatic object detection using objectness measure 2013 ,		6
143	Extracting deep bottleneck features for visual speech recognition 2015 ,		6
142	A model-free approach for the segmentation of unknown objects 2014 ,		6
141	Fingerprint Indexing Based on Combination of Novel Minutiae Triplet Features. <i>Lecture Notes in Computer Science</i> , 2014 , 377-388	0.9	6
140	Automatic flaw detection in textiles using a Neyman-Pearson detector		6
139	Model-Free Segmentation and Grasp Selection of Unknown Stacked Objects. <i>Lecture Notes in Computer Science</i> , 2014 , 659-674	0.9	6
138	Sparse Representation for Video-Based Face Recognition. <i>Lecture Notes in Computer Science</i> , 2009 , 219-228	0.9	6


137	Improved stereo image matching using mutual information and hierarchical prior probabilities		6
136	A High-Performance Spectral-Spatial Residual Network for Hyperspectral Image Classification with Small Training Data. <i>Remote Sensing</i> , 2020 , 12, 3137	5	6
135	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
134	Automated segmentation of gravel particles from depth images of gravel-soil mixtures. <i>Computers and Geosciences</i> , 2019 , 128, 1-10	4.5	5
133	Efficient finer-grained incremental processing with MapReduce for big data. <i>Future Generation Computer Systems</i> , 2018 , 80, 102-111	7.5	5
132	NSCT-based fusion method for forward-looking sonar image mosaic. <i>IET Radar, Sonar and Navigation</i> , 2017 , 11, 1512-1522	1.4	5
131	FLMF: Fractional least mean fourth algorithm for channel estimation in non-Gaussian environment 2017 ,		5
130	A deep neural network for audio-visual person recognition 2015 ,		5
129	Contractive Rectifier Networks for Nonlinear Maximum Margin Classification 2015 ,		5
128	On principal component analysis for high-dimensional XCSR. <i>Evolutionary Intelligence</i> , 2012 , 5, 129-138	1.7	5
127	Constructing specialised corpora through analysing domain representativeness of websites. <i>Language Resources and Evaluation</i> , 2011 , 45, 209-241	1.8	5
126	Context-Based Appearance Descriptor for 3D Human Pose Estimation from Monocular Images 2009 ,		5
125	1D-PCA, 2D-PCA to nD-PCA 2006 ,		5
124	A constraint to improve the reliability of stereo matching using the rank transform 1999 ,		5
123			5
122	CAMERAS: Enhanced Resolution And Sanity preserving Class Activation Mapping for image saliency 2021 ,		5
121	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 3967-3980	6.4	5
120	Performance analysis of an improved tensor based correspondence algorithm for automatic 3D modeling		5

119	Attack to Explain Deep Representation 2020 ,		5
118	U-net based analysis of MRI for Alzheimer's disease diagnosis. <i>Neural Computing and Applications</i> , 2021 , 33, 13587	4.8	5
117	Simultaneous dense scene reconstruction and object labeling 2016 ,		5
116	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
115	Tensor pooling-driven instance segmentation framework for baggage threat recognition. <i>Neural Computing and Applications</i> ,1	4.8	5
114	Deep Learning for Scene Understanding. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 21-51	0.5	4
113	Application of Artificial Intelligence in Coronary Computed Tomography Angiography. <i>Current Cardiovascular Imaging Reports</i> , 2018 , 11, 1	0.7	4
112	A low cost 3D markerless system for the reconstruction of athletic techniques 2013 ,		4
111	A novel algorithm for efficient depth segmentation using low resolution (Kinect) images 2015 ,		4
110	Performance evaluation of 2D to 3D fingerprint recognition 2013 ,		4
109	A lip extraction algorithm using region-based ACM with automatic contour initialization 2013 ,		4
108	An efficient reliability estimation technique for audio-visual person identification 2013 ,		4
107	Geometric distortion measurement for shape coding. <i>ACM Computing Surveys</i> , 2011 , 43, 1-22	13.4	4
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