

Jiwen Lu

List of Publications by Citations

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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.

279
papers

9,643
citations

52
h-index

88
g-index

326
ext. papers

12,402
ext. citations

5.4
avg, IF

7.11
L-index

#	Paper	IF	Citations
279	PCANet: A Simple Deep Learning Baseline for Image Classification?. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5017-32	8.7	880
278	Discriminative Deep Metric Learning for Face Verification in the Wild 2014 ,		345
277	Discriminative multimanifold analysis for face recognition from a single training sample per person. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 39-51	13.3	274
276	Learning Compact Binary Face Descriptor for Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 2041-56	13.3	269
275	Neighborhood repulsed metric learning for kinship verification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 331-45	13.3	262
274	A Siamese Long Short-Term Memory Architecture for Human Re-identification. <i>Lecture Notes in Computer Science</i> , 2016 , 135-153	0.9	199
273	Deep hashing for compact binary codes learning 2015 ,		193
272	Deep Progressive Reinforcement Learning for Skeleton-Based Action Recognition 2018 ,		177
271	Discriminative Deep Metric Learning for Face and Kinship Verification. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4269-4282	8.7	156
270	Learning Compact Binary Descriptors with Unsupervised Deep Neural Networks 2016 ,		156
269	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 1949-1959	6.6	146
268	Discriminative Multimetric Learning for Kinship Verification. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 1169-1178	8	143
267	Human Identity and Gender Recognition From Gait Sequences With Arbitrary Walking Directions. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 51-61	8	138
266	. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 2108-2118	8	135
265	Prototype-Based Discriminative Feature Learning for Kinship Verification. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2535-45	10.2	124
264	Deep transfer metric learning 2015 ,		117
263	Context-Aware Local Binary Feature Learning for Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 1139-1153	13.3	115

262	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 1887-1898	6.6	111
261	Simultaneous Local Binary Feature Learning and Encoding for Homogeneous and Heterogeneous Face Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 1979-1993	13.3	104
260	Regularized locality preserving projections and its extensions for face recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 958-63		102
259	Image Set Classification Using Holistic Multiple Order Statistics Features and Localized Multi-kernel Metric Learning 2013 ,		96
258	Gait recognition for human identification based on ICA and fuzzy SVM through multiple views fusion. <i>Pattern Recognition Letters</i> , 2007 , 28, 2401-2411	4.7	93
257	Kinship verification from facial images under uncontrolled conditions 2011 ,		89
256	Multi-manifold deep metric learning for image set classification 2015 ,		88
255	Cost-Sensitive Local Binary Feature Learning for Facial Age Estimation. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5356-68	8.7	86
254	Sharable and Individual Multi-View Metric Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 2281-2288	13.3	80
253	Deep Hashing for Scalable Image Search. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2352-2367	8.7	79
252	Deep Adversarial Metric Learning 2018 ,		78
251	Ordinary Preserving Manifold Analysis for Human Age and Head Pose Estimation. <i>IEEE Transactions on Human-Machine Systems</i> , 2013 , 43, 249-258	4.1	77
250	Uncorrelated discriminant simplex analysis for view-invariant gait signal computing. <i>Pattern Recognition Letters</i> , 2010 , 31, 382-393	4.7	77
249	Joint Feature Learning for Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 1371-1383	8	75
248	Robust Point Set Matching for Partial Face Recognition. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 1163-76	8.7	74
247	Consistent-Aware Deep Learning for Person Re-identification in a Camera Network 2017 ,		74
246	Attention-Aware Deep Reinforcement Learning for Video Face Recognition 2017 ,		71
245	Simultaneous Feature and Dictionary Learning for Image Set Based Face Recognition. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4042-4054	8.7	70

244	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 1234-1244	6.6	70
243	Structure-Preserving Super Resolution With Gradient Guidance 2020 ,		70
242	Gait-Based Human Age Estimation. <i>IEEE Transactions on Information Forensics and Security</i> , 2010 , 5, 761-770		68
241	Coupled Discriminative Feature Learning for Heterogeneous Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 640-652	8	67
240	Abrupt motion tracking via intensively adaptive Markov-chain Monte Carlo sampling. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 789-801	8.7	66
239	Automatic Subspace Learning via Principal Coefficients Embedding. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3583-3596	10.2	64
238	Deep Metric Learning for Visual Understanding: An Overview of Recent Advances. <i>IEEE Signal Processing Magazine</i> , 2017 , 34, 76-84	9.4	63
237	Summarizing surveillance videos with local-patch-learning-based abnormality detection, blob sequence optimization, and type-based synopsis. <i>Neurocomputing</i> , 2015 , 155, 84-98	5.4	62
236	Gabor-based gradient orientation pyramid for kinship verification under uncontrolled environments 2012 ,		62
235	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 1209-1219	6.6	61
234	Scene recognition with objectness. <i>Pattern Recognition</i> , 2018 , 74, 474-487	7.7	61
233	DensePoint: Learning Densely Contextual Representation for Efficient Point Cloud Processing 2019 ,		61
232	Graininess-Aware Deep Feature Learning for Pedestrian Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 745-761	0.9	60
231	Transform-Invariant PCA: A Unified Approach to Fully Automatic FaceAlignment, Representation, and Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 1275-84	13.3	57
230	Joint Subspace Learning for View-Invariant Gait Recognition. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 431-434	3.2	57
229	Group-aware deep feature learning for facial age estimation. <i>Pattern Recognition</i> , 2017 , 66, 82-94	7.7	56
228	Uncorrelated Discriminant Nearest Feature Line Analysis for Face Recognition. <i>IEEE Signal Processing Letters</i> , 2010 , 17, 185-188	3.2	56
227	Deep Metric Learning for Visual Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 2056-2068	6.4	51

226	Localized Multifeature Metric Learning for Image-Set-Based Face Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016 , 26, 529-540	6.4	51
225	Deep Transfer Metric Learning. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5576-5588	8.7	49
224	Multi-feature multi-manifold learning for single-sample face recognition. <i>Neurocomputing</i> , 2014 , 143, 134-143	5.4	46
223	Cost-Sensitive Subspace Analysis and Extensions for Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2013 , 8, 510-519	8	46
222	Label-Sensitive Deep Metric Learning for Facial Age Estimation. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 292-305	8	46
221	Two-Stream Transformer Networks for Video-Based Face Alignment. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 2546-2554	13.3	46
220	Learning Invariant Color Features for Person Reidentification. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3395-3410	8.7	45
219	Spatial-Temporal Attention-Aware Learning for Video-Based Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 4192-4205	8.7	44
218	Self-Critical Attention Learning for Person Re-Identification 2019 ,		44
217	Reconstruction-Based Metric Learning for Unconstrained Face Verification. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 79-89	8	43
216	MMSS: Multi-modal Sharable and Specific Feature Learning for RGB-D Object Recognition 2015 ,		43
215	Hardness-Aware Deep Metric Learning 2019 ,		43
214	Learning Rotation-Invariant Local Binary Descriptor. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 3636-3651	8.7	42
213	Local Large-Margin Multi-Metric Learning for Face and Kinship Verification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 1875-1891	6.4	42
212	UniformFace: Learning Deep Equidistributed Representation for Face Recognition 2019 ,		41
211	2019 ,		40
210	Cross-Modal Deep Variational Hashing 2017 ,		39
209	2019 ,		39

208	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 2066-2078	6.6	37
207	BridgeNet: A Continuity-Aware Probabilistic Network for Age Estimation 2019 ,		37
206	Large Margin Multi-metric Learning for Face and Kinship Verification in the Wild. <i>Lecture Notes in Computer Science</i> , 2015 , 252-267	0.9	36
205	Unsupervised Deep Learning of Compact Binary Descriptors. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1501-1514	13.3	34
204	Cost-Sensitive Semi-Supervised Discriminant Analysis for Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2012 , 7, 944-953	8	34
203	Learning Deep Binary Descriptor with Multi-quantization 2017 ,		34
202	Multi-modal uniform deep learning for RGB-D person re-identification. <i>Pattern Recognition</i> , 2017 , 72, 446-457	7.7	33
201	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 123-135	6.6	33
200	3DCNN-DQN-RNN: A Deep Reinforcement Learning Framework for Semantic Parsing of Large-Scale 3D Point Clouds 2017 ,		33
199	Discriminative multi-manifold analysis for face recognition from a single training sample per person 2011 ,		33
198	Cross-Modal Discrete Hashing. <i>Pattern Recognition</i> , 2018 , 79, 114-129	7.7	32
197	Regularized local metric learning for person re-identification. <i>Pattern Recognition Letters</i> , 2015 , 68, 288-296	7.7	31
196	Multi-View Complementary Hash Tables for Nearest Neighbor Search 2015 ,		31
195	A Doubly Weighted Approach for Appearance-Based Subspace Learning Methods. <i>IEEE Transactions on Information Forensics and Security</i> , 2010 , 5, 71-81	8	31
194	Structural Relational Reasoning of Point Clouds 2019 ,		30
193	Image-to-Set Face Recognition Using Locality Repulsion Projections and Sparse Reconstruction-Based Similarity Measure. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1070-1080	6.4	29
192	2019 ,		29
191	Structured general and specific multi-view subspace clustering. <i>Pattern Recognition</i> , 2019 , 93, 392-403	7.7	28

190	Robust Feature Set Matching for Partial Face Recognition 2013 ,		28
189	Graininess-Aware Deep Feature Learning for Robust Pedestrian Detection. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	27
188	Cost-sensitive subspace learning for face recognition 2010 ,		27
187	Modality and Component Aware Feature Fusion for RGB-D Scene Classification 2016 ,		27
186	Deep Hashing via Discrepancy Minimization 2018 ,		27
185	Learning Deep Sharable and Structural Detectors for Face Alignment. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 1666-1678	8.7	26
184	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 2644-2656	6.4	26
183	Learning Deep Binary Descriptor with Multi-Quantization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1924-1938	13.3	26
182	Nonlinear subspace clustering for image clustering. <i>Pattern Recognition Letters</i> , 2018 , 107, 131-136	4.7	25
181	Learning Discriminative Aggregation Network for Video-Based Face Recognition 2017 ,		25
180	Nearest Feature Space Analysis for Classification. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 55-58	3.2	25
179	Deep Face Super-Resolution With Iterative Collaboration Between Attentive Recovery and Landmark Estimation 2020 ,		25
178	Enhanced Gabor-based region covariance matrices for palmprint recognition. <i>Electronics Letters</i> , 2009 , 45, 880	1.1	24
177	Part-Activated Deep Reinforcement Learning for Action Prediction. <i>Lecture Notes in Computer Science</i> , 2018 , 435-451	0.9	24
176	Deep Reinforcement Learning with Iterative Shift for Visual Tracking. <i>Lecture Notes in Computer Science</i> , 2018 , 697-713	0.9	24
175	Simultaneous Feature and Dictionary Learning for Image Set Based Face Recognition. <i>Lecture Notes in Computer Science</i> , 2014 , 265-280	0.9	24
174	Learning Discriminative Aggregation Network for Video-Based Face Recognition and Person Re-identification. <i>International Journal of Computer Vision</i> , 2019 , 127, 701-718	10.6	24
173	Learning a Discriminative Distance Metric With Label Consistency for Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 4427-4440	8.1	23

172	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 1421-1433	6.4	23
171	Counterfactual Attention Learning for Fine-Grained Visual Categorization and Re-identification 2021 ,		23
170	Cross-Speed Gait Recognition Using Speed-Invariant Gait Templates and Globality/Locality Preserving Projections. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 2071-2083	8	22
169	Improved discriminant locality preserving projections for face and palmprint recognition. <i>Neurocomputing</i> , 2011 , 74, 3760-3767	5.4	22
168	Deep Variational Metric Learning. <i>Lecture Notes in Computer Science</i> , 2018 , 714-729	0.9	22
167	Multi-modal Unsupervised Feature Learning for RGB-D Scene Labeling. <i>Lecture Notes in Computer Science</i> , 2014 , 453-467	0.9	22
166	Learning Channel-Wise Interactions for Binary Convolutional Neural Networks 2019 ,		22
165	Ordinal Deep Learning for Facial Age Estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 486-501	6.4	22
164	Unsupervised Joint Feature Learning and Encoding for RGB-D Scene Labeling. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 4459-73	8.7	21
163	Ordinal Deep Feature Learning for Facial Age Estimation 2017 ,		21
162	Collaborative Deep Reinforcement Learning for Multi-object Tracking. <i>Lecture Notes in Computer Science</i> , 2018 , 605-621	0.9	21
161	Deep Variational and Structural Hashing. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 580-595	13.3	21
160	Kinship verification in the wild: The first kinship verification competition 2014 ,		20
159	Co-Learned Multi-View Spectral Clustering for Face Recognition Based on Image Sets. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 875-879	3.2	19
158	Multi-Stream Deep Neural Networks for RGB-D Egocentric Action Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 3001-3015	6.4	19
157	2014 ,		18
156	Deep Credible Metric Learning for Unsupervised Domain Adaptation Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2020 , 643-659	0.9	18
155	Left Atrial Appendage Segmentation Using Fully Convolutional Neural Networks and Modified Three-Dimensional Conditional Random Fields. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018 , 22, 1906-1916	7.2	17

154	Multiview discriminative learning for age-invariant face recognition 2013 ,		17
153	Action recognition in RGB-D egocentric videos 2017 ,		17
152	Makeup-robust face verification 2013 ,		17
151	Relaxation-Free Deep Hashing via Policy Gradient. <i>Lecture Notes in Computer Science</i> , 2018 , 141-157	0.9	17
150	Uncertainty-Aware Score Distribution Learning for Action Quality Assessment 2020 ,		17
149	NerfingMVS: Guided Optimization of Neural Radiance Fields for Indoor Multi-view Stereo 2021 ,		17
148	Uniform and Variational Deep Learning for RGB-D Object Recognition and Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 4970-4983	8.7	16
147	Learning Recurrent 3D Attention for Video-Based Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 6963-6976	8.7	16
146	Multiple Feature Fusion via Weighted Entropy for Visual Tracking 2015 ,		16
145	Deep Meta Metric Learning 2019 ,		16
144	GraphBit: Bitwise Interaction Mining via Deep Reinforcement Learning 2018 ,		16
143	Mining Semantics-Preserving Attention for Group Activity Recognition 2018 ,		16
142	Simultaneous Local Binary Feature Learning and Encoding for Face Recognition 2015 ,		15
141	Deep Adversarial Metric Learning. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 2037-2051	8.7	15
140	Global-Local Bidirectional Reasoning for Unsupervised Representation Learning of 3D Point Clouds 2020 ,		15
139	Runtime Network Routing for Efficient Image Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 2291-2304	13.3	15
138	Learning Semantics-Preserving Attention and Contextual Interaction for Group Activity Recognition. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	14
137	Ordinary preserving manifold analysis for human age estimation 2010 ,		14

136	WebFace260M: A Benchmark Unveiling the Power of Million-Scale Deep Face Recognition 2021 ,		14
135	Conditional Single-View Shape Generation for Multi-View Stereo Reconstruction 2019 ,		14
134	Learning Globally Optimized Object Detector via Policy Gradient 2018 ,		14
133	DSNet: A Flexible Detect-to-Summarize Network for Video Summarization. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 948-962	8.7	14
132	Objects are Different: Flexible Monocular 3D Object Detection 2021 ,		13
131	BiDet: An Efficient Binarized Object Detector 2020 ,		13
130	Topology Preserving Structural Matching for Automatic Partial Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 1823-1837	8	12
129	Efficient Rectification of Distorted Fingerprints. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 156-169	8	12
128	2-D Phase Demodulation for Deformable Fingerprint Registration. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 3153-3165	8	12
127	Multi-manifold metric learning for face recognition based on image sets. <i>Journal of Visual Communication and Image Representation</i> , 2014 , 25, 1774-1783	2.7	12
126	Dual-Agent Deep Reinforcement Learning for Deformable Face Tracking. <i>Lecture Notes in Computer Science</i> , 2018 , 783-799	0.9	12
125	Deep Embedding Learning With Discriminative Sampling Policy 2019 ,		12
124	Left atrial appendage segmentation and quantitative assisted diagnosis of atrial fibrillation based on fusion of temporal-spatial information. <i>Computers in Biology and Medicine</i> , 2018 , 96, 52-68	7	11
123	Face recognition using Deep PCA 2013 ,		11
122	Dominant singular value decomposition representation for face recognition. <i>Signal Processing</i> , 2010 , 90, 2087-2093	4.4	11
121	Temporal Coherence or Temporal Motion: Which Is More Critical for Video-Based Person Re-identification?. <i>Lecture Notes in Computer Science</i> , 2020 , 660-676	0.9	11
120	Multi-Grained Deep Feature Learning for Robust Pedestrian Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 3608-3621	6.4	11
119	Recurrent Semantic Preserving Generation for Action Prediction. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 231-245	6.4	11

118	Graph Interaction Networks for Relation Transfer in Human Activity Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 2872-2886	6.4	10
117	Active appearance models using statistical characteristics of Gabor based texture representation. <i>Journal of Visual Communication and Image Representation</i> , 2013 , 24, 627-634	2.7	10
116	Robust partial face recognition using instance-to-class distance 2013 ,		10
115	2006 ,		10
114	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 1542-1554	6.6	10
113	SOSD-Net: Joint semantic object segmentation and depth estimation from monocular images. <i>Neurocomputing</i> , 2021 , 440, 251-263	5.4	10
112	Neighborhood Preserving Hashing for Scalable Video Retrieval 2019 ,		10
111	Efficient nearest neighbor search in high dimensional hamming space. <i>Pattern Recognition</i> , 2020 , 99, 107082	7.7	10
110	Large Margin Coupled Feature Learning for cross-modal face recognition 2015 ,		9
109	Supervised Discriminative Hashing for Compact Binary Codes 2014 ,		9
108	Robust gait recognition via discriminative set matching. <i>Journal of Visual Communication and Image Representation</i> , 2013 , 24, 439-447	2.7	9
107	Cost-sensitive subspace learning for human age estimation 2010 ,		9
106	Gait Recognition via Independent Component Analysis Based on Support Vector Machine and Neural Network. <i>Lecture Notes in Computer Science</i> , 2005 , 640-649	0.9	9
105	Multi-View Geometric Mean Metric Learning for Kinship Verification 2019 ,		8
104	Localized multi-kernel discriminative canonical correlation analysis for video-based person re-identification 2017 ,		8
103	Multi-Grained Deep Feature Learning for Pedestrian Detection 2018 ,		8
102	Gait Recognition Using Wavelet Descriptors and Independent Component Analysis. <i>Lecture Notes in Computer Science</i> , 2006 , 232-237	0.9	8
101	Activity-based person identification using sparse coding and discriminative metric learning 2012 ,		7

100	Graph-Based Kinship Reasoning Network 2020 ,		7
99	Adversarial Multi-Label Variational Hashing. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 332-344	8.7	7
98	Comprehensive Instructional Video Analysis: The COIN Dataset and Performance Evaluation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 3138-3153	13.3	6
97	Fingerprint pose estimation based on faster R-CNN 2017 ,		6
96	Local Subspace Collaborative Tracking 2015 ,		6
95	Gait-based human age estimation 2010 ,		6
94	PV-RAFT: Point-Voxel Correlation Fields for Scene Flow Estimation of Point Clouds 2021 ,		6
93	Deep Compositional Metric Learning 2021 ,		6
92	Deep Metric Learning via Adaptive Learnable Assessment 2020 ,		6
91	Enhanced Bayesian Compression via Deep Reinforcement Learning 2019 ,		6
90	Learning principal orientations and residual descriptor for action recognition. <i>Pattern Recognition</i> , 2019 , 86, 14-26	7.7	6
89	Endo3D: Online Workflow Analysis for Endoscopic Surgeries Based on 3D CNN and LSTM. <i>Lecture Notes in Computer Science</i> , 2018 , 97-107	0.9	6
88	Rank-Consistency Multi-Label Deep Hashing 2018 ,		6
87	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 1996-2009	6.6	5
86	Gait Recognition Using Independent Component Analysis. <i>Lecture Notes in Computer Science</i> , 2005 , 183-188	1.9	5
85	Inconsistency-aware Uncertainty Estimation for Semi-supervised Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2021 , PP,	11.7	5
84	Learning Reasoning-Decision Networks for Robust Face Alignment. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 679-693	13.3	5
83	Latent Fingerprint Registration via Matching Densely Sampled Points. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 1231-1244	8	5

82	Structure-Preserving Image Super-Resolution. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	5
81	Order-Sensitive Deep Hashing for Multimorbidity Medical Image Retrieval. <i>Lecture Notes in Computer Science</i> , 2018 , 620-628	0.9	5
80	Face Segmentor-Enhanced Deep Feature Learning for Face Recognition. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2019 , 1, 223-237	4.3	4
79	Hardness-Aware Deep Metric Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 3214-3228	13.3	4
78	Discriminative transfer learning for single-sample face recognition 2015 ,		4
77	Fusing shape and texture information for facial age estimation 2011 ,		4
76	Adaptive maximum margin criterion for image classification 2011 ,		4
75	Rotation-Robust Intersection over Union for 3D Object Detection. <i>Lecture Notes in Computer Science</i> , 2020 , 464-480	0.9	4
74	MetaDistiller: Network Self-Boosting via Meta-Learned Top-Down Distillation. <i>Lecture Notes in Computer Science</i> , 2020 , 694-709	0.9	4
73	FGR: Frustum-Aware Geometric Reasoning for Weakly Supervised 3D Vehicle Detection 2021 ,		4
72	Graph-Based Social Relation Reasoning. <i>Lecture Notes in Computer Science</i> , 2020 , 18-34	0.9	4
71	Facial Kinship Verification. <i>SpringerBriefs in Computer Science</i> , 2017 ,	0.4	4
70	. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 1467-1479	8	4
69	Structure-Aware Multimodal Feature Fusion for RGB-D Scene Classification and Beyond. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2018 , 14, 1-22	3.4	4
68	Person Re-Identification via Attention Pyramid. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7663-7686	6	4
67	A Vessel-Focused 3D Convolutional Network for Automatic Segmentation and Classification of Coronary Artery Plaques in Cardiac CTA. <i>Lecture Notes in Computer Science</i> , 2019 , 131-141	0.9	3
66	2015 ,		3
65	Fine-grained face verification: Dataset and baseline results 2015 ,		3

64	Identity-Preserving Face Hallucination via Deep Reinforcement Learning. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 4796-4809	6.4	3
63	Reconstruction-based supervised hashing. <i>Pattern Recognition</i> , 2018 , 79, 147-161	7.7	3
62	Left Atrium Segmentation in CT Volumes with Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 39-46	0.9	3
61	Activity-based human identification 2013 ,		3
60	Neighborhood repulsed metric learning for kinship verification 2012 ,		3
59	Reinforced Axial Refinement Network for Monocular 3D Object Detection. <i>Lecture Notes in Computer Science</i> , 2020 , 540-556	0.9	3
58	Regularized Bayesian Metric Learning for Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2015 , 209-224	0.9	3
57	Left Atrial Appendage Segmentation Based on Ranking 2-D Segmentation Proposals. <i>Lecture Notes in Computer Science</i> , 2017 , 21-29	0.9	3
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16	Orientation Field Estimation for Latent Fingerprints with Prior Knowledge of Fingerprint Pattern 2021 ,		1
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