

# Shiguang Shan

## 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.

300  
papers

10,362  
citations

51  
h-index

93  
g-index

324  
ext. papers

13,349  
ext. citations

4.6  
avg, IF

6.84  
L-index

#	Paper	IF	Citations
300	WLD: a robust local image descriptor. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2010</b> , 32, 1705-20	13.3	661
299	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2008</b> , 38, 149-161		574
298	Histogram of Gabor phase patterns (HGPP): a novel object representation approach for face recognition. <i>IEEE Transactions on Image Processing</i> , <b>2007</b> , 16, 57-68	8.7	390
297	Deep Supervised Hashing for Fast Image Retrieval <b>2016</b> ,		335
296	Multi-View Discriminant Analysis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2016</b> , 38, 188-94	13.3	328
295	Fusing local patterns of Gabor magnitude and phase for face recognition. <i>IEEE Transactions on Image Processing</i> , <b>2010</b> , 19, 1349-61	8.7	245
294	Occlusion aware facial expression recognition using CNN with attention mechanism. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	220
293	AttGAN: Facial Attribute Editing by Only Changing What You Want. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 5464-5478	8.7	199
292	Hierarchical ensemble of global and local classifiers for face recognition. <i>IEEE Transactions on Image Processing</i> , <b>2009</b> , 18, 1885-96	8.7	189
291	Locally linear regression for pose-invariant face recognition. <i>IEEE Transactions on Image Processing</i> , <b>2007</b> , 16, 1716-25	8.7	188
290	Local Gabor binary pattern histogram sequence (LGBPHS): a novel non-statistical model for face representation and recognition <b>2005</b> ,		173
289	Learning Expressionlets on Spatio-temporal Manifold for Dynamic Facial Expression Recognition <b>2014</b> ,		165
288	Coarse-to-Fine Auto-Encoder Networks (CFAN) for Real-Time Face Alignment. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 1-16	0.9	158
287	AU-inspired Deep Networks for Facial Expression Feature Learning. <i>Neurocomputing</i> , <b>2015</b> , 159, 126-136	5.4	146
286	A compositional and dynamic model for face aging. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2010</b> , 32, 385-401	13.3	141
285	Stacked Progressive Auto-Encoders (SPAEC) for Face Recognition Across Poses <b>2014</b> ,		137
284	A comparative study on illumination preprocessing in face recognition. <i>Pattern Recognition</i> , <b>2013</b> , 46, 1691-1699	7.7	129

283	Interaction-And-Aggregation Network for Person Re-Identification <b>2019</b> ,		127
282	Fusing Robust Face Region Descriptors via Multiple Metric Learning for Face Recognition in the Wild <b>2013</b> ,		117
281	Low-Resolution Face Recognition via Coupled Locality Preserving Mappings. <i>IEEE Signal Processing Letters</i> , <b>2010</b> , 17, 20-23	3.2	114
280	Shift-Net: Image Inpainting via Deep Feature Rearrangement. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 3-19	0.9	109
279	Heterogeneous Face Attribute Estimation: A Deep Multi-Task Learning Approach. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2018</b> , 40, 2597-2609	13.3	104
278	Combining Multiple Kernel Methods on Riemannian Manifold for Emotion Recognition in the Wild <b>2014</b> ,		99
277	A Benchmark and Comparative Study of Video-Based Face Recognition on COX Face Database. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 5967-81	8.7	94
276	Self-Supervised Equivariant Attention Mechanism for Weakly Supervised Semantic Segmentation <b>2020</b> ,		93
275	Structure Inference Net: Object Detection Using Scene-Level Context and Instance-Level Relationships <b>2018</b> ,		90
274	Projection Metric Learning on Grassmann Manifold with Application to Video based Face Recognition <b>2015</b> ,		89
273	Deep Network Cascade for Image Super-resolution. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 49-64	0.9	89
272	Coupled bias-variance tradeoff for cross-pose face recognition. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 305-15	8.7	88
271	Multi-view Discriminant Analysis. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 808-821	0.9	87
270	Manifold-manifold distance and its application to face recognition with image sets. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 4466-79	8.7	82
269	Learned local Gabor patterns for face representation and recognition. <i>Signal Processing</i> , <b>2009</b> , 89, 2333-2344	11.4	79
268	Are Gabor phases really useless for face recognition?. <i>Pattern Analysis and Applications</i> , <b>2009</b> , 12, 301-307	7.3	75
267	Deeply Learning Deformable Facial Action Parts Model for Dynamic Expression Analysis. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 143-157	0.9	75
266	Mean-Variance Loss for Deep Age Estimation from a Face <b>2018</b> ,		75

265	AgeNet: Deeply Learned Regressor and Classifier for Robust Apparent Age Estimation <b>2015</b> ,		71
264	Adaptive generic learning for face recognition from a single sample per person <b>2010</b> ,		71
263	Adaptive Partial Differential Equation Learning for Visual Saliency Detection <b>2014</b> ,		70
262	Duplex Generative Adversarial Network for Unsupervised Domain Adaptation <b>2018</b> ,		69
261	Domain Adaptation for Face Recognition: Targetize Source Domain Bridged by Common Subspace. <i>International Journal of Computer Vision</i> , <b>2014</b> , 109, 94-109	10.6	67
260	Facial Expression Recognition with Inconsistently Annotated Datasets. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 227-243	0.9	67
259	Aligning Coupled Manifolds for Face Hallucination. <i>IEEE Signal Processing Letters</i> , <b>2009</b> , 16, 957-960	3.2	63
258	VRSTC: Occlusion-Free Video Person Re-Identification <b>2019</b> ,		63
257	Face recognition on large-scale video in the wild with hybrid Euclidean-and-Riemannian metric learning. <i>Pattern Recognition</i> , <b>2015</b> , 48, 3113-3124	7.7	61
256	RhythmNet: End-to-end Heart Rate Estimation from Face via Spatial-temporal Representation. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	61
255	A concatenational graph evolution aging model. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2012</b> , 34, 2083-96	13.3	60
254	<b>2007</b> ,		57
253	Learning Euclidean-to-Riemannian Metric for Point-to-Set Classification <b>2014</b> ,		56
252	Generative Adversarial Network with Spatial Attention for Face Attribute Editing. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 422-437	0.9	54
251	Transferable Contrastive Network for Generalized Zero-Shot Learning <b>2019</b> ,		54
250	Maximal Linear Embedding for Dimensionality Reduction. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2011</b> , 33, 1776-92	13.3	52
249	VIPLFaceNet: an open source deep face recognition SDK. <i>Frontiers of Computer Science</i> , <b>2017</b> , 11, 208-218	2	50
248	Funnel-structured cascade for multi-view face detection with alignment-awareness. <i>Neurocomputing</i> , <b>2017</b> , 221, 138-145	5.4	50

247	Adaptive discriminant learning for face recognition. <i>Pattern Recognition</i> , <b>2013</b> , 46, 2497-2509	7.7	50
246	Joint sparse representation for video-based face recognition. <i>Neurocomputing</i> , <b>2014</b> , 135, 306-312	5.4	49
245	Local Gabor Binary Patterns Based on Kullback-Leibler Divergence for Partially Occluded Face Recognition. <i>IEEE Signal Processing Letters</i> , <b>2007</b> , 14, 875-878	3.2	49
244	Learning Discriminative Latent Attributes for Zero-Shot Classification <b>2017</b> ,		47
243	Patch-Gated CNN for Occlusion-aware Facial Expression Recognition <b>2018</b> ,		46
242	Discriminant analysis on Riemannian manifold of Gaussian distributions for face recognition with image sets <b>2015</b> ,		45
241	Image to Video Person Re-Identification by Learning Heterogeneous Dictionary Pair With Feature Projection Matrix. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2018</b> , 13, 717-732	8	44
240			44
239	SynRhythm: Learning a Deep Heart Rate Estimator from General to Specific <b>2018</b> ,		44
238	Side-Information based Linear Discriminant Analysis for Face Recognition <b>2011</b> ,		43
237	Flowing on Riemannian manifold: domain adaptation by shifting covariance. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 2264-73	10.2	41
236	Occlusion-Free Face Alignment: Deep Regression Networks Coupled with De-Corrupt AutoEncoders <b>2016</b> ,		41
235	Single-Side Domain Generalization for Face Anti-Spoofing <b>2020</b> ,		40
234	Morphable Displacement Field Based Image Matching for Face Recognition across Pose. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 102-115	0.9	39
233	Cross-modal Scene Graph Matching for Relationship-aware Image-Text Retrieval <b>2020</b> ,		39
232	Real-Time Rotation-Invariant Face Detection with Progressive Calibration Networks <b>2018</b> ,		39
231	Multiview Metric Learning with Global Consistency and Local Smoothness. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2012</b> , 3, 1-22	8	38
230	Cross-pose face recognition based on partial least squares. <i>Pattern Recognition Letters</i> , <b>2011</b> , 32, 1948-1955		37

229	Discriminant Analysis on Riemannian Manifold of Gaussian Distributions for Face Recognition With Image Sets. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 151-163	8.7	36
228	Cross Euclidean-to-Riemannian Metric Learning with Application to Face Recognition from Video. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2018</b> , 40, 2827-2840	13.3	36
227	Face video retrieval with image query via hashing across Euclidean space and Riemannian manifold <b>2015</b> ,		36
226	An approach based on phonemes to large vocabulary Chinese sign language recognition		36
225	Learning Class Prototypes via Structure Alignment for Zero-Shot Recognition. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 121-138	0.9	36
224	Learning Expressionlets via Universal Manifold Model for Dynamic Facial Expression Recognition. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 5920-5932	8.7	36
223	Multiset Feature Learning for Highly Imbalanced Data Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , 43, 139-156	13.3	36
222	Design sparse features for age estimation using hierarchical face model <b>2008</b> ,		33
221	<b>2020</b> ,		31
220	Unsupervised Adversarial Domain Adaptation for Cross-Domain Face Presentation Attack Detection. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 16, 56-69	8	31
219	Enhancing Human Face Detection by Resampling Examples Through Manifolds. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2007</b> , 37, 1017-1028		29
218	Partial least squares regression on grassmannian manifold for emotion recognition <b>2013</b> ,		28
217	Face recognition based on face-specific subspace. <i>International Journal of Imaging Systems and Technology</i> , <b>2003</b> , 13, 23-32	2.5	28
216	Weakly Supervised Object Detection With Segmentation Collaboration <b>2019</b> ,		28
215	Shape driven kernel adaptation in Convolutional Neural Network for robust facial trait recognition <b>2015</b> ,		27
214	Deformable face net for pose invariant face recognition. <i>Pattern Recognition</i> , <b>2020</b> , 100, 107113	7.7	27
213	LRW-1000: A Naturally-Distributed Large-Scale Benchmark for Lip Reading in the Wild <b>2019</b> ,		26
212	Bi-Shifting Auto-Encoder for Unsupervised Domain Adaptation <b>2015</b> ,		26

211	Two Birds, One Stone: Jointly Learning Binary Code for Large-Scale Face Image Retrieval and Attributes Prediction <b>2015</b> ,		26
210	Improving Cross-database Face Presentation Attack Detection via Adversarial Domain Adaptation <b>2019</b> ,		26
209	Learning to Diffuse: A New Perspective to Design PDEs for Visual Analysis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2016</b> , 38, 2457-2471	13.3	25
208	Learning prototype hyperplanes for face verification in the wild. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 3310-6	8.7	25
207	Hierarchical Ensemble of Global and Local Classifiers for Face Recognition <b>2007</b> ,		25
206	FACE RECOGNITION UNDER GENERIC ILLUMINATION BASED ON HARMONIC RELIGHTING. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>2005</b> , 19, 513-531	1.1	25
205	CovGa: A novel descriptor based on symmetry of regions for head pose estimation. <i>Neurocomputing</i> , <b>2014</b> , 143, 97-108	5.4	24
204	Recursive Spatial Transformer (ReST) for Alignment-Free Face Recognition <b>2017</b> ,		24
203	Coupling Alignments with Recognition for Still-to-Video Face Recognition <b>2013</b> ,		24
202	Temporal Knowledge Propagation for Image-to-Video Person Re-Identification <b>2019</b> ,		24
201	Semisupervised Hashing via Kernel Hyperplane Learning for Scalable Image Search. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 704-713	6.4	23
200	Head yaw estimation from asymmetry of facial appearance. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2008</b> , 38, 1501-12		23
199	<b>2019</b> ,		23
198	Report on the FG 2015 Video Person Recognition Evaluation <b>2015</b> ,		22
197	A fast and robust 3D face recognition approach based on deeply learned face representation. <i>Neurocomputing</i> , <b>2019</b> , 363, 375-397	5.4	22
196	A Fully End-to-End Cascaded CNN for Facial Landmark Detection <b>2017</b> ,		22
195	<b>2017</b> ,		22
194	S2GAN: Share Aging Factors Across Ages and Share Aging Trends Among Individuals <b>2019</b> ,		21

193	Automatic Engagement Prediction with GAP Feature <b>2018</b> ,		21
192	AdaBoost Gabor Fisher Classifier for Face Recognition. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 279-292o.9		21
191	Robust Remote Heart Rate Estimation from Face Utilizing Spatial-temporal Attention <b>2019</b> ,		20
190	Improving 2D Face Recognition via Discriminative Face Depth Estimation <b>2018</b> ,		20
189	Multi-Channel Pose-Aware Convolution Neural Networks for Multi-View Facial Expression Recognition <b>2018</b> ,		20
188	Discriminative Covariance Oriented Representation Learning for Face Recognition with Image Sets <b>2017</b> ,		20
187	High-Resolution Face Fusion for Gender Conversion. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2011</b> , 41, 226-237		20
186	LOCAL GABOR BINARY PATTERNS BASED ON MUTUAL INFORMATION FOR FACE RECOGNITION. <i>International Journal of Image and Graphics</i> , <b>2007</b> , 07, 777-793	0.5	20
185	<b>2019</b> ,		20
184	Local Relationship Learning With Person-Specific Shape Regularization for Facial Action Unit Detection <b>2019</b> ,		20
183	RGB-D Face Recognition via Deep Complementary and Common Feature Learning <b>2018</b> ,		19
182	Matrix-Structural Learning (MSL) of Cascaded Classifier from Enormous Training Set <b>2007</b> ,		19
181	An improved active shape model for face alignment		19
180	Unsupervised Domain Adaptation With Hierarchical Gradient Synchronization <b>2020</b> ,		19
179	Prototype Discriminative Learning for Image Set Classification. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 1318-1322	3.2	18
178	Learning Multifunctional Binary Codes for Both Category and Attribute Oriented Retrieval Tasks <b>2017</b> ,		18
177	Optimization of a training set for more robust face detection. <i>Pattern Recognition</i> , <b>2009</b> , 42, 2828-2840	7.7	18
176	Face Recognition with Contrastive Convolution. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 120-135	0.9	18



175	Hierarchical Attention for Part-Aware Face Detection. <i>International Journal of Computer Vision</i> , <b>2019</b> , 127, 560-578	10.6	18
174	Maximal likelihood correspondence estimation for face recognition across pose. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 4587-600	8.7	17
173	KinNet <b>2017</b> ,		17
172	Temporal Complementary Learning for Video Person Re-identification. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 388-405	0.9	17
171	Modeling Video Dynamics with Deep Dynencoder. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 215-230	0.9	17
170	Lighting Aware Preprocessing for Face Recognition across Varying Illumination. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 308-321	0.9	17
169	FCSR-GAN: Joint Face Completion and Super-Resolution via Multi-Task Learning. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , <b>2020</b> , 2, 109-121	4.3	17
168	Fully Learnable Group Convolution for Acceleration of Deep Neural Networks <b>2019</b> ,		17
167	MEC 2017: Multimodal Emotion Recognition Challenge <b>2018</b> ,		17
166	Deep Supervised Hashing for Fast Image Retrieval. <i>International Journal of Computer Vision</i> , <b>2019</b> , 127, 1217-1234	10.6	16
165	Sparsely Encoded Local Descriptor for face recognition <b>2011</b> ,		16
164	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2003</b> , 13, 1119-1128	6.4	16
163	Joint Representation and Truncated Inference Learning for Correlation Filter Based Tracking. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 560-575	0.9	16
162	Video-Based Remote Physiological Measurement via Cross-Verified Feature Disentangling. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 295-310	0.9	16
161	Coupled Metric Learning for Face Recognition with Degraded Images. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 220-233	0.9	16
160	MEC 2016: The Multimodal Emotion Recognition Challenge of CCPR 2016. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 667-678	0.3	15
159	Continuous heart rate measurement from face: A robust rPPG approach with distribution learning <b>2017</b> ,		15
158	Review the strength of Gabor features for face recognition from the angle of its robustness to mis-alignment <b>2004</b> ,		15

157	Tattoo Image Search at Scale: Joint Detection and Compact Representation Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 2333-2348	13.3	15
156	Context modeling for facial landmark detection based on Non-Adjacent Rectangle (NAR) Haar-like feature. <i>Image and Vision Computing</i> , <b>2012</b> , 30, 136-146	3.7	14
155	Robust FEC-CNN: A High Accuracy Facial Landmark Detection System <b>2017</b> ,		14
154	A Unified Multiplicative Framework for Attribute Learning <b>2015</b> ,		14
153	Adaptive discriminant analysis for face recognition from single sample per person <b>2011</b> ,		14
152	Manifold Alignment via Corresponding Projections <b>2010</b> ,		14
151	Unified unsupervised and semi-supervised domain adaptation network for cross-scenario face anti-spoofing. <i>Pattern Recognition</i> , <b>2021</b> , 115, 107888	7.7	14
150	Separability Oriented Preprocessing for Illumination-Insensitive Face Recognition. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 307-320	0.9	13
149	Manifold-Manifold Distance with application to face recognition based on image set <b>2008</b> ,		13
148	Multi-Modal Graph Neural Network for Joint Reasoning on Vision and Scene Text <b>2020</b> ,		13
147	Spatial Pyramid Covariance-Based Compact Video Code for Robust Face Retrieval in TV-Series. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 5905-5919	8.7	12
146	Leveraging Datasets with Varying Annotations for Face Alignment via Deep Regression Network <b>2015</b> ,		12
145	Cascaded Shape Space Pruning for Robust Facial Landmark Detection <b>2013</b> ,		12
144	Classifiability-based discriminatory projection pursuit. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 2050-61		12
143	Face recognition based on non-corresponding region matching <b>2011</b> ,		12
142	VIPL-HR: A Multi-modal Database for Pulse Estimation from Less-Constrained Face Video. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 562-576	0.9	12
141	Learning to Learn Adaptive Classifier-Predictor for Few-Shot Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 3458-3470	10.3	12
140	Multi-Modal Face Presentation Attack Detection via Spatial and Channel Attentions <b>2019</b> ,		12

139	Adaptive Metric Learning For Zero-Shot Recognition. <i>IEEE Signal Processing Letters</i> , <b>2019</b> , 26, 1270-1274	3.2	11
138	<b>2013</b> ,		11
137	Enhancing Expression Recognition in the Wild with Unlabeled Reference Data. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 577-588	0.9	11
136	Benchmarking Still-to-Video Face Recognition via Partial and Local Linear Discriminant Analysis on COX-S2V Dataset. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 589-600	0.9	11
135	Geometry-Aware Similarity Learning on SPD Manifolds for Visual Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 2513-2523	6.4	11
134	Face Recognition after Plastic Surgery: A Comprehensive Study. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 565-576	0.9	10
133	Self-Error-Correcting Convolutional Neural Network for Learning with Noisy Labels <b>2017</b> ,		10
132	Local Linear Regression (LLR) for Pose Invariant Face Recognition		10
131	BiCnet-TKS: Learning Efficient Spatial-Temporal Representation for Video Person Re-Identification <b>2021</b> ,		10
130	Compact Video Code and Its Application to Robust Face Retrieval in TV-Series <b>2014</b> ,		10
129	Relative Forest for Attribute Prediction. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 316-327	0.9	10
128	IAUnet: Global Context-Aware Feature Learning for Person Reidentification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4460-4474	10.3	10
127	Local Visual Primitives (LVP) for Face Modelling and Recognition <b>2006</b> ,		9
126	Deep Heterogeneous Hashing for Face Video Retrieval. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	9
125	Probabilistic nearest neighbor search for robust classification of face image sets <b>2015</b> ,		8
124	Relative Forest for Visual Attribute Prediction. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 3991-4003	8.7	8
123	LDF-Net: Learning a Displacement Field Network for Face Recognition across Pose <b>2017</b> ,		8
122	Exploiting Feature Hierarchies with Convolutional Neural Networks for Cultural Event Recognition <b>2015</b> ,		8

121	Context constrained facial landmark localization based on discontinuous Haar-like feature <b>2011</b> ,		8
120	Local Regression Model for Automatic Face Sketch Generation <b>2011</b> ,		8
119	<b>2020</b> ,		8
118	Weakly Supervised Image Classification Through Noise Regularization <b>2019</b> ,		8
117	Strip features for fast object detection. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 1898-1912	10.2	7
116	Sigma Set Based Implicit Online Learning for Object Tracking. <i>IEEE Signal Processing Letters</i> , <b>2010</b> , 17, 807-810	3.2	7
115	<b>2011</b> ,		7
114	Structured Sparse Linear Discriminant Analysis <b>2012</b> ,		7
113	Hybrid Euclidean-and-Riemannian Metric Learning for Image Set Classification. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 562-577	0.9	7
112	Locality-Constrained Active Appearance Model. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 636-647	0.9	7
111	Fusing Magnitude and Phase Features for Robust Face Recognition. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 601-612	0.9	7
110	The 1st Challenge on Remote Physiological Signal Sensing (RePSS) <b>2020</b> ,		7
109	Unifying Visual Attribute Learning with Object Recognition in a Multiplicative Framework. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 1747-1760	13.3	6
108	Improving Face Sketch Recognition via Adversarial Sketch-Photo Transformation <b>2019</b> ,		6
107	A novel two-tier Bayesian based method for hair segmentation <b>2009</b> ,		6
106	Locality preserving constraints for super-resolution with neighbor embedding <b>2009</b> ,		6
105	Illumination transfer using homomorphic wavelet filtering and its application to light-insensitive face recognition <b>2008</b> ,		6
104	Modification of the AdaBoost-based Detector for Partially Occluded Faces <b>2006</b> ,		6

103	Face Recognition under Varying Lighting Based on the Probabilistic Model of Gabor Phase <b>2006</b> ,		6
102	Information fusion in face identification <b>2004</b> ,		6
101	Deep Learning for Visual Understanding: Part 2 [From the Guest Editors]. <i>IEEE Signal Processing Magazine</i> , <b>2018</b> , 35, 17-19	9.4	5
100	FCSR-GAN: End-to-end Learning for Joint Face Completion and Super-resolution <b>2019</b> ,		5
99	Image sets alignment for Video-Based Face Recognition <b>2012</b> ,		5
98	Isomorphic Manifold Inference for hair segmentation <b>2013</b> ,		5
97	Effects of Image Preprocessing on Face Matching and Recognition in Human Observers. <i>Applied Cognitive Psychology</i> , <b>2013</b> , 27, 718-724	2.1	5
96	Facial Shape Localization Using Probability Gradient Hints. <i>IEEE Signal Processing Letters</i> , <b>2009</b> , 16, 897-900		5
95	Locally Assembled Binary (LAB) feature with feature-centric cascade for fast and accurate face detection <b>2008</b> ,		5
94	Recovering 3D facial shape via coupled 2D/3D space learning <b>2008</b> ,		5
93	Hierarchical ensemble of Gabor Fisher classifier for face recognition		5
92	Enhancing Training Set for Face Detection <b>2006</b> ,		5
91	Spatial-Temporal Granularity-Tunable Gradients Partition (STGGP) Descriptors for Human Detection. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 327-340	0.9	5
90	Active Learning for Interactive Segmentation with Expected Confidence Change. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 790-802	0.9	5
89	Isosceles Constraints for Person Re-identification. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , PP,	8.7	5
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86	HeadNet: Pedestrian Head Detection Utilizing Body in Context <b>2018</b> ,		4

85	Deformable Face Net: Learning Pose Invariant Feature with Pose Aware Feature Alignment for Face Recognition <b>2019</b> ,		4
84	Robust Head-Shoulder Detection Using a Two-Stage Cascade Framework <b>2014</b> ,		4
83	Synthesized views can improve face recognition. <i>Applied Cognitive Psychology</i> , <b>2009</b> , 23, 987-998	2.1	4
82	Maximizing intra-individual correlations for face recognition across pose differences <b>2009</b> ,		4
81	Isomap Based on the Image Euclidean Distance <b>2006</b> ,		4
80	A novel pupil localization method based on GaborEye model and radial symmetry operator		4
79	Localizing the iris center by region growing search		4
78	Representation Learning with Smooth Autoencoder. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 72-86	0.9	4
77	Joint Face Alignment: Rescue Bad Alignments with Good Ones by Regularized Re-fitting. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 616-630	0.9	4
76	Learning Representations for Facial Actions From Unlabeled Videos. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2022</b> , 44, 302-317	13.3	4
75	Hierarchical hybrid statistic based video binary code and its application to face retrieval in TV-series <b>2015</b> ,		3
74	Sparsely encoded local descriptor for face verification. <i>Neurocomputing</i> , <b>2015</b> , 147, 403-411	5.4	3
73	Learning to Recognize Visual Concepts for Visual Question Answering With Structural Label Space. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2020</b> , 14, 494-505	7.5	3
72	Deep Learning for Visual Understanding [From the Guest Editors]. <i>IEEE Signal Processing Magazine</i> , <b>2017</b> , 34, 24-25	9.4	3
71	Still to video face recognition using a heterogeneous matching approach <b>2015</b> ,		3
70	Margin Emphasized Metric Learning and its application to Gabor feature based face recognition <b>2011</b> ,		3
69	Patch-Based Gabor Fisher Classifier for Face Recognition <b>2006</b> ,		3
68	Robust Head Pose Estimation Using LGBP <b>2006</b> ,		3

67	<b>2006,</b>			3
66	Sketching Image Gist: Human-Mimetic Hierarchical Scene Graph Generation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 222-239		0.9	3
65	Cross-view Graph Embedding. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 770-781		0.9	3
64	Learning Gabor Features for Facial Age Estimation. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 204-213		0.9	3
63	Deep Conditional Distribution Learning for Age Estimation. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 1-1		8	3
62	Scene Text Detection via Deep Semantic Feature Fusion and Attention-based Refinement <b>2018</b> ,			3
61	Face Alignment across Large Pose via MT-CNN Based 3D Shape Reconstruction <b>2018</b> ,			3
60	Multi-Task Learning of Emotion Recognition and Facial Action Unit Detection with Adaptively Weights Sharing Network <b>2019</b> ,			2
59	Learning deep face representation with long-tail data: An aggregate-and-disperse approach. <i>Pattern Recognition Letters</i> , <b>2020</b> , 133, 48-54		4.7	2
58	Guest Editorial Special Issue on Mobile Biometrics. <i>IET Biometrics</i> , <b>2016</b> , 5, 1-2		2.9	2
57	Data-driven hair segmentation with isomorphic manifold inference. <i>Image and Vision Computing</i> , <b>2014</b> , 32, 739-750		3.7	2
56	Head yaw estimation via symmetry of regions <b>2013</b> ,			2
55	<b>2008,</b>			2
54				2
53	Bagging Based Efficient Kernel Fisher Discriminant Analysis for Face Recognition <b>2006</b> ,			2
52	Pose normalization for robust face recognition based on statistical affine transformation			2
51	Dual-Branch Meta-Learning Network With Distribution Alignment for Face Anti-Spoofing. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 1-1		8	2
50	COSONet: Compact Second-Order Network for Video Face Recognition. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 51-67		0.9	2

49	Prototype Discriminative Learning for Face Image Set Classification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 344-360	0.9	2
48	Deep Video Code for Efficient Face Video Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 296-312	0.9	2
47	Semi-Supervised Discriminant Analysis via Spectral Transduction <b>2009</b> ,		2
46	Deep Position-Aware Hashing for Semantic Continuous Image Retrieval <b>2020</b> ,		2
45	Efficient Face Alignment Network For Masked Face <b>2021</b> ,		2
44	Unsupervised person re-identification with locality-constrained Earth Mover's distance <b>2016</b> ,		2
43	Deep video code for efficient face video retrieval. <i>Pattern Recognition</i> , <b>2021</b> , 113, 107754	7.7	2
42	What is a Tabby? Interpretable Model Decisions by Learning Attribute-Based Classification Criteria. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , 43, 1791-1807	13.3	2
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39	Face Anti-Spoofing with Multi-Scale Information <b>2018</b> ,		2
38	Fusing magnitude and phase features with multiple face models for robust face recognition. <i>Frontiers of Computer Science</i> , <b>2018</b> , 12, 1173-1191	2.2	2
37	Deep Second-Order Siamese Network for Pedestrian Re-identification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 321-337	0.9	1
36	Multi-label Learning from Noisy Labels with Non-linear Feature Transformation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 404-419	0.9	1
35	Zero-Shot Facial Expression Recognition with Multi-label Label Propagation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 19-34	0.9	1
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32	Noisy Face Image Sets Refining Collaborated with Discriminant Feature Space Learning <b>2017</b> ,		1



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26	Unified Principal Component Analysis with generalized Covariance Matrix for face recognition <b>2008</b> ,		1
25	Ensemble of Piecewise FDA Based on Spatial Histograms of Local (Gabor) Binary Patterns for Face Recognition <b>2006</b> ,		1
24	Maximizing intra-individual correlations for face recognition across pose differences		1
23	Meta Auxiliary Learning for Facial Action Unit Detection. <i>IEEE Transactions on Affective Computing</i> , <b>2021</b> , 1-1	5.7	1
22	SANet: Statistic Attention Network for Video-Based Person Re-Identification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	1
21	RGB-D Face Recognition: A Comparative Study of Representative Fusion Schemes. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 358-366	0.9	1
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16	Personalized Convolution for Face Recognition. <i>International Journal of Computer Vision</i> , <b>2022</b> , 130, 344	10.6	0
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