

Mayank Vatsa

List of Publications by Year in descending order

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274
papers

7,038
citations

94269

37
h-index

128067

60
g-index

280
all docs

280
docs citations

280
times ranked

3771
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving Iris Recognition Performance Using Segmentation, Quality Enhancement, Match Score Fusion, and Indexing. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1021-1035.	5.5	216
2	Computationally Efficient Face Spoofing Detection with Motion Magnification. , 2013, , .		156
3	Plastic Surgery: A New Dimension to Face Recognition. IEEE Transactions on Information Forensics and Security, 2010, 5, 441-448.	4.5	141
4	Integrated multilevel image fusion and match score fusion of visible and infrared face images for robust face recognition. Pattern Recognition, 2008, 41, 880-893.	5.1	137
5	A comprehensive overview of biometric fusion. Information Fusion, 2019, 52, 187-205.	11.7	136
6	Detecting Silicone Mask-Based Presentation Attack via Deep Dictionary Learning. IEEE Transactions on Information Forensics and Security, 2017, 12, 1713-1723.	4.5	125
7	Deep Dictionary Learning. IEEE Access, 2016, 4, 10096-10109.	2.6	120
8	Unraveling the Effect of Textured Contact Lenses on Iris Recognition. IEEE Transactions on Information Forensics and Security, 2014, 9, 851-862.	4.5	118
9	Hierarchical Representation Learning for Kinship Verification. IEEE Transactions on Image Processing, 2017, 26, 289-302.	6.0	117
10	Ocular biometrics: A survey of modalities and fusion approaches. Information Fusion, 2015, 26, 1-35.	11.7	116
11	Periocular biometrics: When iris recognition fails. , 2010, , .		111
12	Feature based RDWT watermarking for multimodal biometric system. Image and Vision Computing, 2009, 27, 293-304.	2.7	101
13	Memetically Optimized MCWLD for Matching Sketches With Digital Face Images. IEEE Transactions on Information Forensics and Security, 2012, 7, 1522-1535.	4.5	97
14	Recognizing Surgically Altered Face Images Using Multiobjective Evolutionary Algorithm. IEEE Transactions on Information Forensics and Security, 2013, 8, 89-100.	4.5	92
15	Recognizing Disguised Faces: Human and Machine Evaluation. PLoS ONE, 2014, 9, e99212.	1.1	91
16	Face anti-spoofing using Haralick features. , 2016, , .		90
17	Detecting Facial Retouching Using Supervised Deep Learning. IEEE Transactions on Information Forensics and Security, 2016, 11, 1903-1913.	4.5	90
18	Face recognition with disguise and single gallery images. Image and Vision Computing, 2009, 27, 245-257.	2.7	85

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19	Robust biometric image watermarking for fingerprint and face template protection. IEICE Electronics Express, 2006, 3, 23-28.	0.3	82
20	Detecting and Mitigating Adversarial Perturbations for Robust Face Recognition. International Journal of Computer Vision, 2019, 127, 719-742.	10.9	81
21	A Mosaicing Scheme for Pose-Invariant Face Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1212-1225.	5.5	80
22	Biometric quality: a review of fingerprint, iris, and face. Eurasip Journal on Image and Video Processing, 2014, 2014, .	1.7	78
23	On Iris Spoofing Using Print Attack. , 2014, , .		75
24	RGB-D Face Recognition With Texture and Attribute Features. IEEE Transactions on Information Forensics and Security, 2014, 9, 1629-1640.	4.5	74
25	Enhancing security of fingerprints through contextual biometric watermarking. Forensic Science International, 2007, 169, 188-194.	1.3	72
26	Face Presentation Attack with Latex Masks in Multispectral Videos. , 2017, , .		70
27	On RGB-D face recognition using Kinect. , 2013, , .		68
28	Face anti-spoofing with multifeature videolet aggregation. , 2016, , .		68
29	Disguise detection and face recognition in visible and thermal spectrums. , 2013, , .		67
30	On matching sketches with digital face images. , 2010, , .		64
31	On cross spectral periocular recognition. , 2014, , .		64
32	Latent Fingerprint Matching: A Survey. IEEE Access, 2014, 2, 982-1004.	2.6	63
33	LivDet iris 2017 "Iris liveness detection competition 2017. , 2017, , .		62
34	Generalized Zero-Shot Learning via Over-Complete Distribution. , 2020, , .		62
35	Multisensor Optical and Latent Fingerprint Database. IEEE Access, 2015, 3, 653-665.	2.6	61
36	Improving biometric recognition accuracy and robustness using DWT and SVM watermarking. IEICE Electronics Express, 2005, 2, 362-367.	0.3	60

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37	Hierarchical fusion of multi-spectral face images for improved recognition performance. Information Fusion, 2008, 9, 200-210.	11.7	60
38	Multimodal Medical Image Fusion Using Redundant Discrete Wavelet Transform. , 2009, , .		60
39	Revisiting iris recognition with color cosmetic contact lenses. , 2013, , .		60
40	Group sparse representation based classification for multi-feature multimodal biometrics. Information Fusion, 2016, 32, 3-12.	11.7	58
41	Disguised Faces in the Wild. , 2018, , .		58
42	Composite sketch recognition via deep network - a transfer learning approach. , 2015, , .		56
43	Detecting medley of iris spoofing attacks using DESIST. , 2016, , .		56
44	Adaptive latent fingerprint segmentation using feature selection and random decision forest classification. Information Fusion, 2017, 34, 1-15.	11.7	51
45	Improving Cross-Resolution Face Matching Using Ensemble-Based Co-Transfer Learning. IEEE Transactions on Image Processing, 2014, 23, 5654-5669.	6.0	50
46	On smartphone camera based fingerphoto authentication. , 2015, , .		50
47	Face Verification via Class Sparsity Based Supervised Encoding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1273-1280.	9.7	50
48	FaceDCAPTCHA: Face detection based color image CAPTCHA. Future Generation Computer Systems, 2014, 31, 59-68.	4.9	49
49	Learning Structure and Strength of CNN Filters for Small Sample Size Training. , 2018, , .		49
50	Self-similarity representation of Weber faces for kinship classification. , 2012, , .		47
51	Saliency based mass detection from screening mammograms. Signal Processing, 2014, 99, 29-47.	2.1	46
52	Group sparse autoencoder. Image and Vision Computing, 2017, 60, 64-74.	2.7	46
53	SWAPPED! Digital face presentation attack detection via weighted local magnitude pattern. , 2017, , .		46
54	On the Dynamic Selection of Biometric Fusion Algorithms. IEEE Transactions on Information Forensics and Security, 2010, 5, 470-479.	4.5	43

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55	Face Verification via Learned Representation on Feature-Rich Video Frames. IEEE Transactions on Information Forensics and Security, 2017, 12, 1686-1698.	4.5	42
56	Recognizing Disguised Faces in the Wild. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2019, 1, 97-108.	3.8	42
57	On matching latent to latent fingerprints. , 2011, , .		40
58	On Recognizing Faces in Videos Using Clustering-Based Re-Ranking and Fusion. IEEE Transactions on Information Forensics and Security, 2014, 9, 1056-1068.	4.5	40
59	Domain Specific Learning for Newborn Face Recognition. IEEE Transactions on Information Forensics and Security, 2016, 11, 1630-1641.	4.5	40
60	MDLFace: Memorability augmented deep learning for video face recognition. , 2014, , .		39
61	Face recognition for newborns: A preliminary study. , 2010, , .		38
62	Anonymizing k Facial Attributes via Adversarial Perturbations. , 2018, , .		38
63	Fusion of Handcrafted and Deep Learning Features for Large-Scale Multiple Iris Presentation Attack Detection. , 2018, , .		37
64	Are Image-Agnostic Universal Adversarial Perturbations for Face Recognition Difficult to Detect?. , 2018, , .		37
65	Iris recognition under alcohol influence: A preliminary study. , 2012, , .		36
66	Composite sketch recognition using saliency and attribute feedback. Information Fusion, 2017, 33, 86-99.	11.7	34
67	Recognizing composite sketches with digital face images via SSD dictionary. , 2014, , .		33
68	On Effectiveness of Histogram of Oriented Gradient Features for Visible to Near Infrared Face Matching. , 2014, , .		33
69	Age Transformation for Improving Face Recognition Performance. Lecture Notes in Computer Science, 2007, , 576-583.	1.0	33
70	Robust memory-efficient data level information fusion of multi-modal biometric images. Information Fusion, 2007, 8, 337-346.	11.7	31
71	Effect of plastic surgery on face recognition: A preliminary study. , 2009, , .		31
72	Dual Directed Capsule Network for Very Low Resolution Image Recognition. , 2019, , .		31

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73	Class sparsity signature based Restricted Boltzmann Machine. Pattern Recognition, 2017, 61, 674-685.	5.1	30
74	DroneSURF: Benchmark Dataset for Drone-based Face Recognition. , 2019, , .		30
75	Combining pores and ridges with minutiae for improved fingerprint verification. Signal Processing, 2009, 89, 2676-2685.	2.1	28
76	Hierarchical fusion for matching simultaneous latent fingerprint. , 2012, , .		28
77	On latent fingerprint minutiae extraction using stacked denoising sparse AutoEncoders. , 2014, , .		28
78	Regularized Deep Learning for Face Recognition With Weight Variations. IEEE Access, 2015, 3, 3010-3018.	2.6	28
79	INTEGRATING IMAGE QUALITY IN $2^{1/2}$ -SVM BIOMETRIC MATCH SCORE FUSION. International Journal of Neural Systems, 2007, 17, 343-351.	3.2	27
80	Incremental granular relevance vector machine: A case study in multimodal biometrics. Pattern Recognition, 2016, 56, 63-76.	5.1	27
81	Unification of Evidence-Theoretic Fusion Algorithms: A Case Study in Level-2 and Level-3 Fingerprint Features. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 47-56.	3.4	26
82	Gender and ethnicity classification of Iris images using deep class-encoder. , 2017, , .		26
83	Synthetic iris presentation attack using iDCGAN. , 2017, , .		26
84	SmartBox: Benchmarking Adversarial Detection and Mitigation Algorithms for Face Recognition. , 2018, , .		26
85	Latent Fingerprint Enhancement Using Generative Adversarial Networks. , 2019, , .		26
86	Improving verification accuracy by synthesis of locally enhanced biometric images and deformable model. Signal Processing, 2007, 87, 2746-2764.	2.1	25
87	Quality-augmented fusion of level-2 and level-3 fingerprint information using DS _m theory. International Journal of Approximate Reasoning, 2009, 50, 51-61.	1.9	25
88	On Detecting GANs and Retouching based Synthetic Alterations. , 2018, , .		25
89	Cognitive data augmentation for adversarial defense via pixel masking. Pattern Recognition Letters, 2021, 146, 244-251.	2.6	25
90	Biometric classifier update using online learning: A case study in near infrared face verification. Image and Vision Computing, 2010, 28, 1098-1105.	2.7	24

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91	Face Sketch Matching via Coupled Deep Transform Learning. , 2017, , .		24
92	Supervised Mixed Norm Autoencoder for Kinship Verification in Unconstrained Videos. IEEE Transactions on Image Processing, 2019, 28, 1329-1341.	6.0	23
93	On iris camera interoperability. , 2012, , .		22
94	Bacteria Foraging Fusion for Face Recognition across Age Progression. , 2013, , .		22
95	Recognizing Age-Separated Face Images: Humans and Machines. PLoS ONE, 2014, 9, e112234.	1.1	22
96	Face recognition for look-alikes: A preliminary study. , 2011, , .		21
97	RGB-D face recognition via learning-based reconstruction. , 2016, , .		21
98	Multimodal biometric recognition for toddlers and pre-school children. , 2017, , .		21
99	On Matching Finger-Selfies Using Deep Scattering Networks. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 350-362.	3.8	21
100	Textural feature based face recognition for single training images. Electronics Letters, 2005, 41, 640.	0.5	20
101	Evolutionary granular approach for recognizing faces altered due to plastic surgery. , 2011, , .		20
102	Automated clarity and quality assessment for latent fingerprints. , 2013, , .		20
103	On Recognizing Face Images With Weight and Age Variations. IEEE Access, 2014, 2, 822-830.	2.6	20
104	Fingerphoto spoofing in mobile devices: A preliminary study. , 2016, , .		20
105	Transfer Learning Based Evolutionary Algorithm for Composite Face Sketch Recognition. , 2017, , .		20
106	Evading Face Recognition via Partial Tampering of Faces. , 2019, , .		20
107	Leap signature recognition using HOOOF and HOT features. , 2014, , .		19
108	QFuse: Online learning framework for adaptive biometric system. Pattern Recognition, 2015, 48, 3428-3439.	5.1	19

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109	A Leap Password based verification system. , 2015, , .		19
110	Identity Aware Synthesis for Cross Resolution Face Recognition. , 2018, , .		19
111	Image Transformation based Defense Against Adversarial Perturbation on Deep Learning Models. IEEE Transactions on Dependable and Secure Computing, 2020, , 1-1.	3.7	19
112	Does Iris Change Over Time?. PLoS ONE, 2013, 8, e78333.	1.1	18
113	FR-CAPTCHA: CAPTCHA Based on Recognizing Human Faces. PLoS ONE, 2014, 9, e91708.	1.1	18
114	Fingerphoto Authentication Using Smartphone Camera Captured Under Varying Environmental Conditions. , 2017, , 119-144.		18
115	Guided Dropout. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4065-4072.	3.6	18
116	Integrating SVM classification with SVD watermarking forÂintelligent videoÂauthentication. Telecommunication Systems, 2009, 40, 5-15.	1.6	17
117	Face recognition using scattering wavelet under Illicit Drug Abuse variations. , 2016, , .		17
118	On incremental semi-supervised discriminant analysis. Pattern Recognition, 2016, 52, 135-147.	5.1	17
119	Securing CNN Model and Biometric Template using Blockchain. , 2019, , .		17
120	Detecting Textured Contact Lens in Uncontrolled Environment Using DensePAD. , 2019, , .		17
121	Demography-based facial retouching detection using subclass supervised sparse autoencoder. , 2017, , .		16
122	Unravelling Small Sample Size Problems in the Deep Learning World. , 2020, , .		16
123	Quality Induced Fingerprint Identification using Extended Feature Set. , 2008, , .		15
124	Unconstrained Kinect video face database. Information Fusion, 2018, 44, 113-125.	11.7	15
125	SegDenseNet: Iris Segmentation for Pre-and-Post Cataract Surgery. , 2018, , .		15
126	Recognizing Face Images with Disguise Variations. , 0, , .		14

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127	Simultaneous latent fingerprint recognition. Applied Soft Computing Journal, 2011, 11, 4260-4266.	4.1	14
128	Between-subclass piece-wise linear solutions in large scale kernel SVM learning. Pattern Recognition, 2019, 95, 173-190.	5.1	14
129	Noise is Inside Me! Generating Adversarial Perturbations with Noise Derived from Natural Filters. , 2020, , .		14
130	Dempster-Shafer Theory Based Classifier Fusion for Improved Fingerprint Verification Performance. Lecture Notes in Computer Science, 2006, , 941-949.	1.0	14
131	On Analysis of Rural and Urban Indian Fingerprint Images. Lecture Notes in Computer Science, 2010, , 55-61.	1.0	14
132	On co-training online biometric classifiers. , 2011, , .		13
133	Biometric match score fusion using RVM: A case study in multi-unit iris recognition. , 2012, , .		13
134	Effect of illicit drug abuse on face recognition. , 2016, , .		13
135	On Matching Faces with Alterations due to Plastic Surgery and Disguise. , 2018, , .		13
136	Unconstrained Fingerphoto Database. , 2018, , .		13
137	Disguised Faces in the Wild 2019. , 2019, , .		13
138	Crafting A Panoptic Face Presentation Attack Detector. , 2019, , .		13
139	Residual Codean Autoencoder for Facial Attribute Analysis. Pattern Recognition Letters, 2019, 119, 157-165.	2.6	13
140	Iris sensor identification in multi-camera environment. Information Fusion, 2019, 45, 333-345.	11.7	13
141	HEp-2 Cell Image Classification: A Comparative Analysis. Lecture Notes in Computer Science, 2013, , 195-202.	1.0	13
142	Signature Verification Using Static and Dynamic Features. Lecture Notes in Computer Science, 2004, , 350-355.	1.0	12
143	Performance Enhancement of 2D Face Recognition via Mosaicing. , 0, , .		12
144	Quality-Based Fusion for Multichannel Iris Recognition. , 2010, , .		12

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145	A framework for quality-based biometric classifier selection. , 2011, , .		12
146	Face recognition CAPTCHA. , 2012, , .		12
147	On Learning Density Aware Embeddings. , 2019, , .		12
148	Quality assessment based denoising to improve face recognition performance. , 2011, , .		11
149	Aiding face recognition with social context association rule based re-ranking. , 2014, , .		11
150	Face Recognition for Newborns, Toddlers, and Pre-School Children: A Deep Learning Approach. , 2018, , .		11
151	Review of Iris Presentation Attack Detection Competitions. Advances in Computer Vision and Pattern Recognition, 2019, , 169-183.	0.9	11
152	Enhanced iris presentation attack detection via contraction-expansion CNN. Pattern Recognition Letters, 2022, 159, 61-69.	2.6	11
153	Likelihood ratio in a SVM framework: Fusing linear and non-linear face classifiers. , 2008, , .		10
154	Analyzing Fingerprints of Indian Population Using Image Quality: A UIDAI Case Study. , 2010, , .		10
155	Matching age separated composite sketches and digital face images. , 2013, , .		10
156	Boosting local descriptors for matching composite and digital face images. , 2013, , .		10
157	Can holistic representations be used for face biometric quality assessment?. , 2013, , .		10
158	Latent fingerprint from multiple surfaces: Database and quality analysis. , 2015, , .		10
159	Deceiving Face Presentation Attack Detection via Image Transforms. , 2019, , .		10
160	Attribute Aware Filter-Drop for Bias-Invariant Classification. , 2020, , .		10
161	Intelligent Biometric Information Fusion using Support Vector Machine. , 2007, , 325-349.		10
162	Revisiting HEp-2 Cell Image Classification. IEEE Access, 2015, 3, 3102-3113.	2.6	9

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163	On Frame Selection for Video Face Recognition. , 2016, , 279-297.		9
164	Mobile periocular matching with pre-post cataract surgery. , 2016, , .		9
165	Iris Presentation Attack via Textured Contact Lens in Unconstrained Environment. , 2018, , .		9
166	Expression Classification in Children Using Mean Supervised Deep Boltzmann Machine. , 2019, , .		9
167	Subclass Heterogeneity Aware Loss for Cross-Spectral Cross-Resolution Face Recognition. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 245-256.	3.8	9
168	DeriveNet for (Very) Low Resolution Image Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6569-6577.	9.7	9
169	SVM Based Adaptive Biometric Image Enhancement Using Quality Assessment. Studies in Computational Intelligence, 2008, , 351-371.	0.7	8
170	On rank aggregation for face recognition from videos. , 2013, , .		8
171	fgCAPTCHA: Genetically Optimized Face Image CAPTCHA 5. IEEE Access, 2014, 2, 473-484.	2.6	8
172	The Role of "Sign"™ and "Direction"™ of Gradient on the Performance of CNN. , 2020, , .		8
173	MixNet for Generalized Face Presentation Attack Detection. , 2021, , .		8
174	Learning Representations for Unconstrained Fingerprint Recognition. , 2018, , 197-226.		8
175	Recognizing Face Images with Disguise Variations. Advances in Computational Intelligence and Robotics Book Series, 0, , 227-251.	0.4	8
176	MagNet: Detecting Digital Presentation Attacks on Face Recognition. Frontiers in Artificial Intelligence, 2021, 4, 643424.	2.0	8
177	A Comparative Study of Various Face Recognition Algorithms (Feature Based, Eigen Based, Line Based,) Tj ETQq1 1 0.784314,rgBT /Ower		8
178	Feature and keypoint selection for visible to near-infrared face matching. , 2015, , .		7
179	Fingerprint sensor classification via MÄ©lange of handcrafted features. , 2016, , .		7
180	On matching skulls to digital face images: A preliminary approach. , 2017, , .		7

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181	Heterogeneity Aware Deep Embedding for Mobile Periocular Recognition. , 2018, , .		7
182	CHIF: Convuluted Histogram Image Features for Detecting Silicone Mask based Face Presentation Attack. , 2019, , .		7
183	Discriminative shared transform learning for sketch to image matching. Pattern Recognition, 2021, 114, 107815.	5.1	7
184	Context Switching Algorithm for Selective Multibiometric Fusion. Lecture Notes in Computer Science, 2009, , 452-457.	1.0	7
185	MTCD: Cataract detection via near infrared eye images. Computer Vision and Image Understanding, 2022, 214, 103303.	3.0	7
186	Generalized Contact Lens Iris Presentation Attack Detection. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2022, 4, 373-385.	3.8	7
187	DS theory based fingerprint classifier fusion with update rule to minimize training time. IEICE Electronics Express, 2006, 3, 429-435.	0.3	6
188	Person identification at a distance via ocular biometrics. , 2015, , .		6
189	A multibiometrics-based CAPTCHA for improved online security. , 2016, , .		6
190	Sketch Recognition: What Lies Ahead?. Image and Vision Computing, 2016, 55, 9-13.	2.7	6
191	Kernel group sparse representation based classifier for multimodal biometrics. , 2017, , .		6
192	On Detecting Domestic Abuse via Faces. , 2018, , .		6
193	Deceiving the Protector: Fooling Face Presentation Attack Detection Algorithms. , 2019, , .		6
194	Are you eligible? Predicting adulthood from face images via Class Specific Mean Autoencoder. Pattern Recognition Letters, 2019, 119, 121-130.	2.6	6
195	Understanding ACE-V Latent Fingerprint Examination Process via Eye-Gaze Analysis. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2021, 3, 44-58.	3.8	6
196	DAMAD: Database, Attack, and Model Agnostic Adversarial Perturbation Detector. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3277-3289.	7.2	6
197	Intelligent and Adaptive Mixup Technique for Adversarial Robustness. , 2021, , .		6
198	Generalized Iris Presentation Attack Detection Algorithm under Cross-Database Settings. , 2021, , .		6

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199	Multiclass mv-granular soft support vector machine: A case study in dynamic classifier selection for multispectral face recognition. , 2008, , .		5
200	Belief Function Theory Based Biometric Match Score Fusion: Case Studies in Multi-instance and Multi-unit Iris Verification. , 2009, , .		5
201	Online learning in biometrics: A case study in face classifier update. , 2009, , .		5
202	Is gender classification across ethnicity feasible using discriminant functions?. , 2011, , .		5
203	Matching cross-resolution face images using co-transfer learning. , 2012, , .		5
204	Collision avoidance for a low-cost robot using SVM-based monocular vision. , 2014, , .		5
205	Cross-spectral cross-resolution video database for face recognition. , 2016, , .		5
206	Face identification from low resolution near-infrared images. , 2016, , .		5
207	Face Recognition with RGB-D Images Using Kinect. , 2016, , 281-303.		5
208	Adaptive Skin Color Model to Improve Video Face Detection. Advances in Intelligent Systems and Computing, 2016, , 131-142.	0.5	5
209	Unconstrained visible spectrum iris with textured contact lens variations: Database and benchmarking. , 2017, , .		5
210	FaceSurv: A Benchmark Video Dataset for Face Detection and Recognition Across Spectra and Resolutions. , 2019, , .		5
211	On Privacy Preserving Anonymization of Finger-selfies. , 2020, , .		5
212	Video Authentication Using Relative Correlation Information and SVM. Studies in Computational Intelligence, 2008, , 511-529.	0.7	5
213	WaveTransform: Crafting Adversarial Examples via Input Decomposition. Lecture Notes in Computer Science, 2020, , 152-168.	1.0	5
214	MD-CSDNetwork: Multi-Domain Cross Stitched Network for Deepfake Detection. , 2021, , .		5
215	Unification of Evidence Theoretic Fusion Algorithms: A Case Study in Level-2 and Level-3 Fingerprint Features. , 2007, , .		4
216	Matching digital and scanned face images with age variation. , 2010, , .		4

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217	Incremental subclass discriminant analysis: A case study in face recognition. , 2012, , .		4
218	Annotated crowd video face database. , 2015, , .		4
219	At-a-distance person recognition via combining ocular features. , 2016, , .		4
220	Class representative autoencoder for low resolution multi-spectral gender classification. , 2017, , .		4
221	Attack-Resistant aiCAPTCHA Using a Negative Selection Artificial Immune System. , 2017, , .		4
222	CrowdFaceDB: Database and benchmarking for face verification in crowd. Pattern Recognition Letters, 2018, 107, 17-24.	2.6	4
223	Phacoemulsification Cataract Surgery Affects the Discriminative Capacity of Iris Pattern Recognition. Scientific Reports, 2019, 9, 11139.	1.6	4
224	A2-LINK: Recognizing Disguised Faces via Active Learning and Adversarial Noise Based Inter-Domain Knowledge. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 326-336.	3.8	4
225	Attack Agnostic Adversarial Defense via Visual Imperceptible Bound. , 2021, , .		4
226	Recognizing Injured Faces via SCIFI Loss. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2021, 3, 112-123.	3.8	4
227	Iris Based Human Verification Algorithms. Lecture Notes in Computer Science, 2004, , 458-466.	1.0	3
228	Image-based face detection CAPTCHA for improved security. International Journal of Multimedia Intelligence and Security, 2010, 1, 269.	0.1	3
229	Face Recognition and Plastic Surgery: Social, Ethical and Engineering Challenges. Lecture Notes in Computer Science, 2010, , 70-75.	1.0	3
230	Regularizing deep learning architecture for face recognition with weight variations. , 2015, , .		3
231	A Low-Cost Monocular Vision-Based Obstacle Avoidance Using SVM and Optical Flow. Unmanned Systems, 2018, 06, 267-275.	2.7	3
232	Learning A Shared Transform Model for Skull to Digital Face Image Matching. , 2018, , .		3
233	Subclass Contrastive Loss for Injured Face Recognition. , 2019, , .		3
234	Age Gap Reducer-GAN for Recognizing Age-Separated Faces. , 2021, , .		3

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235	Subgroup Invariant Perturbation for Unbiased Pre-Trained Model Prediction. Frontiers in Big Data, 2020, 3, 590296.	1.8	3
236	Improving face recognition performance using TeCS $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ dictionary. Pattern Recognition Letters, 2021, 145, 88-95.	2.6	3
237	Trustworthy AI. , 2021, , .		3
238	Disguise Resilient Face Verification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3895-3905.	5.6	3
239	Dual Sensor Indian Masked Face Dataset. , 2021, , .		3
240	Simultaneous latent fingerprint recognition: A preliminary study. , 2009, , .		2
241	Can Combining Demographics and Biometrics Improve De-duplication Performance?. , 2013, , .		2
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