

Guoying Zhao

List of Publications by Year in descending order

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231
papers

15,217
citations

50276

46
h-index

29157

104
g-index

240
all docs

240
docs citations

240
times ranked

7375
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Texture Recognition Using Local Binary Patterns with an Application to Facial Expressions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 915-928.	13.9	2,322
2	WLD: A Robust Local Image Descriptor. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1705-1720.	13.9	863
3	Facial expression recognition from near-infrared videos. Image and Vision Computing, 2011, 29, 607-619.	4.5	584
4	CASME II: An Improved Spontaneous Micro-Expression Database and the Baseline Evaluation. PLoS ONE, 2014, 9, e86041.	2.5	542
5	Computer Vision Using Local Binary Patterns. Computational Imaging and Vision, 2011, , .	0.6	383
6	Rotation-Invariant Image and Video Description With Local Binary Pattern Features. IEEE Transactions on Image Processing, 2012, 21, 1465-1477.	9.8	351
7	A Spontaneous Micro-expression Database: Inducement, collection and baseline. , 2013, , .		351
8	Remote Heart Rate Measurement from Face Videos under Realistic Situations. , 2014, , .		346
9	A Main Directional Mean Optical Flow Feature for Spontaneous Micro-Expression Recognition. IEEE Transactions on Affective Computing, 2016, 7, 299-310.	8.3	298
10	Modeling pixel process with scale invariant local patterns for background subtraction in complex scenes. , 2010, , .		289
11	Recognising spontaneous facial micro-expressions. , 2011, , .		257
12	From BoW to CNN: Two Decades of Texture Representation for Texture Classification. International Journal of Computer Vision, 2019, 127, 74-109.	15.6	247
13	Towards Reading Hidden Emotions: A Comparative Study of Spontaneous Micro-Expression Spotting and Recognition Methods. IEEE Transactions on Affective Computing, 2018, 9, 563-577.	8.3	241
14	Lipreading With Local Spatiotemporal Descriptors. IEEE Transactions on Multimedia, 2009, 11, 1254-1265.	7.2	223
15	Searching Central Difference Convolutional Networks for Face Anti-Spoofing. , 2020, , .		223
16	Spontaneous facial micro-expression analysis using Spatiotemporal Completed Local Quantized Patterns. Neurocomputing, 2016, 175, 564-578.	5.9	197
17	Deep Affect Prediction in-the-Wild: Aff-Wild Database and Challenge, Deep Architectures, and Beyond. International Journal of Computer Vision, 2019, 127, 907-929.	15.6	193
18	Background Subtraction Based on Low-Rank and Structured Sparse Decomposition. IEEE Transactions on Image Processing, 2015, 24, 2502-2514.	9.8	190

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19	Learning Graph Convolutional Network for Skeleton-Based Human Action Recognition by Neural Searching. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 2669-2676.	4.9	187
20	Discriminative features for texture description. Pattern Recognition, 2012, 45, 3834-3843.	8.1	184
21	BRINT: Binary Rotation Invariant and Noise Tolerant Texture Classification. IEEE Transactions on Image Processing, 2014, 23, 3071-3084.	9.8	164
22	Aff-Wild: Valence and Arousal "In-the-Wild" Challenge. , 2017, , .		161
23	Remote Heart Rate Measurement From Highly Compressed Facial Videos: An End-to-End Deep Learning Solution With Video Enhancement. , 2019, , .		151
24	Spatiotemporal Recurrent Convolutional Networks for Recognizing Spontaneous Micro-Expressions. IEEE Transactions on Multimedia, 2020, 22, 626-640.	7.2	146
25	Micro-Expression Recognition Using Color Spaces. IEEE Transactions on Image Processing, 2015, 24, 6034-6047.	9.8	137
26	Local Binary Patterns for Still Images. Computational Imaging and Vision, 2011, , 13-47.	0.6	135
27	A review of recent advances in visual speech decoding. Image and Vision Computing, 2014, 32, 590-605.	4.5	127
28	Facial Micro-Expression Recognition Using Spatiotemporal Local Binary Pattern with Integral Projection. , 2015, , .		124
29	Boosted multi-resolution spatiotemporal descriptors for facial expression recognition. Pattern Recognition Letters, 2009, 30, 1117-1127.	4.2	115
30	Spatiotemporal Local Monogenic Binary Patterns for Facial Expression Recognition. IEEE Signal Processing Letters, 2012, 19, 243-246.	3.6	112
31	Computer Vision Using Local Binary Patterns. Computational Imaging and Vision, 2011, , E1-E2.	0.6	111
32	Extended local binary patterns for face recognition. Information Sciences, 2016, 358-359, 56-72.	6.9	111
33	Discriminative Spatiotemporal Local Binary Pattern with Revisited Integral Projection for Spontaneous Facial Micro-Expression Recognition. IEEE Transactions on Affective Computing, 2019, 10, 32-47.	8.3	106
34	Combining LBP Difference and Feature Correlation for Texture Description. IEEE Transactions on Image Processing, 2014, 23, 2557-2568.	9.8	105
35	Towards a practical lipreading system. , 2011, , .		103
36	Learning From Hierarchical Spatiotemporal Descriptors for Micro-Expression Recognition. IEEE Transactions on Multimedia, 2018, 20, 3160-3172.	7.2	98

#	ARTICLE	IF	CITATIONS
37	3D Gait Recognition Using Multiple Cameras. , 0, , .		97
38	3D Mask Face Anti-spoofing with Remote Photoplethysmography. Lecture Notes in Computer Science, 2016, , 85-100.	1.3	90
39	NAS-FAS: Static-Dynamic Central Difference Network Search for Face Anti-Spoofing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3005-3023.	13.9	89
40	Dynamic texture and scene classification by transferring deep image features. Neurocomputing, 2016, 171, 1230-1241.	5.9	86
41	Micro-expression Recognition Using Dynamic Textures on Tensor Independent Color Space. , 2014, , .		82
42	OuluVS2: A multi-view audiovisual database for non-rigid mouth motion analysis. , 2015, , .		78
43	Revealing the Invisible With Model and Data Shrinking for Composite-Database Micro-Expression Recognition. IEEE Transactions on Image Processing, 2020, 29, 8590-8605.	9.8	77
44	A location-to-segmentation strategy for automatic exudate segmentation in colour retinal fundus images. Computerized Medical Imaging and Graphics, 2017, 55, 78-86.	5.8	76
45	SRN: Side-Output Residual Network for Object Symmetry Detection in the Wild. , 2017, , .		75
46	Differentiating spontaneous from posed facial expressions within a generic facial expression recognition framework. , 2011, , .		74
47	Multi-modal emotion analysis from facial expressions and electroencephalogram. Computer Vision and Image Understanding, 2016, 147, 114-124.	4.7	74
48	Recognition of human actions using texture descriptors. Machine Vision and Applications, 2011, 22, 767-780.	2.7	73
49	Joint Local and Global Information Learning With Single Apex Frame Detection for Micro-Expression Recognition. IEEE Transactions on Image Processing, 2021, 30, 249-263.	9.8	73
50	AutoHR: A Strong End-to-End Baseline for Remote Heart Rate Measurement With Neural Searching. IEEE Signal Processing Letters, 2020, 27, 1245-1249.	3.6	70
51	Face Anti-Spoofing with Human Material Perception. Lecture Notes in Computer Science, 2020, , 557-575.	1.3	68
52	Recurrent Convolutional Neural Network Regression for Continuous Pain Intensity Estimation in Video. , 2016, , .		67
53	Recognition of Affect in the Wild Using Deep Neural Networks. , 2017, , .		67
54	Spotting Rapid Facial Movements from Videos Using Appearance-Based Feature Difference Analysis. , 2014, , .		65

#	ARTICLE	IF	CITATIONS
55	Can Micro-Expression be Recognized Based on Single Apex Frame?. , 2018, , .		64
56	Video-Based Remote Physiological Measurement via Cross-Verified Feature Disentangling. Lecture Notes in Computer Science, 2020, , 295-310.	1.3	64
57	Isolated Sign Language Recognition with Grassmann Covariance Matrices. ACM Transactions on Accessible Computing, 2016, 8, 1-21.	2.4	63
58	RLBP: Robust Local Binary Pattern. , 2013, , .		63
59	Dynamic Texture Recognition Using Volume Local Binary Patterns. , 2006, , 165-177.		62
60	Automatic Dynamic Texture Segmentation Using Local Descriptors and Optical Flow. IEEE Transactions on Image Processing, 2013, 22, 326-339.	9.8	61
61	A 3D Mask Face Anti-Spoofing Database with Real World Variations. , 2016, , .		57
62	Domain Regeneration for Cross-Database Micro-Expression Recognition. IEEE Transactions on Image Processing, 2018, 27, 2484-2498.	9.8	57
63	Face Liveness Detection by rPPG Features and Contextual Patch-Based CNN. , 2019, , .		55
64	A Robust GAN-Generated Face Detection Method Based on Dual-Color Spaces and an Improved Xception. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3527-3538.	8.3	54
65	Dynamic Facial Expression Recognition Using Longitudinal Facial Expression Atlases. Lecture Notes in Computer Science, 2012, , 631-644.	1.3	52
66	Revisiting Pixel-Wise Supervision for Face Anti-Spoofing. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2021, 3, 285-295.	4.4	50
67	Spontaneous micro-expression spotting via geometric deformation modeling. Computer Vision and Image Understanding, 2016, 147, 87-94.	4.7	48
68	The OBF Database: A Large Face Video Database for Remote Physiological Signal Measurement and Atrial Fibrillation Detection. , 2018, , .		48
69	Deep End-to-End One-Class Classifier. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 675-684.	11.3	48
70	TransRPPG: Remote Photoplethysmography Transformer for 3D Mask Face Presentation Attack Detection. IEEE Signal Processing Letters, 2021, 28, 1290-1294.	3.6	47
71	Towards a dynamic expression recognition system under facial occlusion. Pattern Recognition Letters, 2012, 33, 2181-2191.	4.2	46
72	Hallucinating Face Image by Regularization Models in High-Resolution Feature Space. IEEE Transactions on Image Processing, 2018, 27, 2980-2995.	9.8	46

#	ARTICLE	IF	CITATIONS
73	Spatial Temporal Graph Deconvolutional Network for Skeleton-Based Human Action Recognition. IEEE Signal Processing Letters, 2021, 28, 244-248.	3.6	46
74	Dynamic Facial Expression Recognition With Atlas Construction and Sparse Representation. IEEE Transactions on Image Processing, 2016, 25, 1977-1992.	9.8	44
75	Multi-Modal Face Anti-Spoofing Based on Central Difference Networks. , 2020, , .		44
76	Two decades of local binary patterns. , 2015, , 175-210.		43
77	Robust local features for remote face recognition. Image and Vision Computing, 2017, 64, 34-46.	4.5	43
78	Texture Classification using a Linear Configuration Model based Descriptor. , 2011, , .		43
79	A Compact Representation of Visual Speech Data Using Latent Variables. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1-1.	13.9	42
80	Searching Multi-Rate and Multi-Modal Temporal Enhanced Networks for Gesture Recognition. IEEE Transactions on Image Processing, 2021, 30, 5626-5640.	9.8	42
81	Sparse tensor canonical correlation analysis for micro-expression recognition. Neurocomputing, 2016, 214, 218-232.	5.9	41
82	Local Binary Pattern Descriptors for Dynamic Texture Recognition. , 2006, , .		39
83	Cross-Database Micro-Expression Recognition: A Benchmark. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 544-559.	5.7	39
84	Dynamic Texture Based Gait Recognition. Lecture Notes in Computer Science, 2009, , 1000-1009.	1.3	38
85	Micro-Expression Recognition Using Robust Principal Component Analysis and Local Spatiotemporal Directional Features. Lecture Notes in Computer Science, 2015, , 325-338.	1.3	38
86	iMiGUE: An Identity-free Video Dataset for Micro-Gesture Understanding and Emotion Analysis. , 2021, , .		37
87	Structured Modeling of Joint Deep Feature and Prediction Refinement for Salient Object Detection. , 2019, , .		36
88	Tripool: Graph triplet pooling for 3D skeleton-based action recognition. Pattern Recognition, 2021, 115, 107921.	8.1	36
89	Generalized face anti-spoofing by detecting pulse from face videos. , 2016, , .		34
90	Mix Dimension in Poincaré Geometry for 3D Skeleton-based Action Recognition. , 2020, , .		34

#	ARTICLE	IF	CITATIONS
91	Globally rotation invariant multi-scale co-occurrence local binary pattern. Image and Vision Computing, 2015, 43, 16-26.	4.5	33
92	Selective deep features for micro-expression recognition. , 2016, , .		33
93	Capturing correlations of local features for image representation. Neurocomputing, 2016, 184, 99-106.	5.9	33
94	Learning mappings for face synthesis from near infrared to visual light images. , 2009, , .		32
95	Facial Affect "In-the-Wild": A Survey and a New Database. , 2016, , .		32
96	A spatial-aware joint optic disc and cup segmentation method. Neurocomputing, 2019, 359, 285-297.	5.9	32
97	Facial-Video-Based Physiological Signal Measurement: Recent advances and affective applications. IEEE Signal Processing Magazine, 2021, 38, 50-58.	5.6	32
98	Projective testing of diurnal collective emotion. , 2014, , .		31
99	Rethinking the ST-GCNs for 3D skeleton-based human action recognition. Neurocomputing, 2021, 454, 45-53.	5.9	31
100	Facial expression recognition from near-infrared video sequences. , 2008, , .		30
101	An Image-Based Visual Speech Animation System. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1420-1432.	8.3	30
102	Hierarchical Contour Closure-Based Holistic Salient Object Detection. IEEE Transactions on Image Processing, 2017, 26, 4537-4552.	9.8	30
103	Micro-expression spotting: A new benchmark. Neurocomputing, 2021, 443, 356-368.	5.9	29
104	Learning a Target Sample Re-Generator for Cross-Database Micro-Expression Recognition. , 2017, , .		28
105	Adaptive Modality Distillation for Separable Multimodal Sentiment Analysis. IEEE Intelligent Systems, 2021, 36, 82-89.	4.0	28
106	Spatiotemporal Integration of Optical Flow Vectors for Micro-expression Detection. Lecture Notes in Computer Science, 2015, , 369-380.	1.3	27
107	Background Subtraction Using Spatio-Temporal Group Sparsity Recovery. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1737-1751.	8.3	27
108	A Boost in Revealing Subtle Facial Expressions: A Consolidated Eulerian Framework. , 2019, , .		27

#	ARTICLE	IF	CITATIONS
109	Micro-expression action unit detection with spatial and channel attention. Neurocomputing, 2021, 436, 221-231.	5.9	27
110	Atrial Fibrillation Detection From Face Videos by Fusing Subtle Variations. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2781-2795.	8.3	26
111	Signal Reconstruction of Compressed Sensing Based on Alternating Direction Method of Multipliers. Circuits, Systems, and Signal Processing, 2020, 39, 307-323.	2.0	24
112	A hybrid quantum-classical neural network with deep residual learning. Neural Networks, 2021, 143, 133-147.	5.9	24
113	Spontaneous Facial Micro-expression Recognition via Deep Convolutional Network. , 2018, , .		23
114	Texture Classification in Extreme Scale Variations Using GANet. IEEE Transactions on Image Processing, 2019, 28, 3910-3922.	9.8	23
115	Deep-HR: Fast heart rate estimation from face video under realistic conditions. Expert Systems With Applications, 2021, 186, 115596.	7.6	23
116	Video Action Recognition Via Neural Architecture Searching. , 2019, , .		22
117	3D Skeletal Gesture Recognition via Hidden States Exploration. IEEE Transactions on Image Processing, 2020, 29, 4583-4597.	9.8	22
118	Auto-Fas: Searching Lightweight Networks for Face Anti-Spoofing. , 2020, , .		22
119	Local spatiotemporal descriptors for visual recognition of spoken phrases. , 2007, , .		21
120	Unsupervised Cross-Corpus Speech Emotion Recognition Using Domain-Adaptive Subspace Learning. , 2018, , .		21
121	Improved Spatiotemporal Local Monogenic Binary Pattern for Emotion Recognition in The Wild. , 2014, , .		20
122	Multimodal Framework for Analyzing the Affect of a Group of People. IEEE Transactions on Multimedia, 2018, 20, 2706-2721.	7.2	20
123	Analyze Spontaneous Gestures for Emotional Stress State Recognition: A Micro-gesture Dataset and Analysis with Deep Learning. , 2019, , .		20
124	Face Hallucination via Coarse-to-Fine Recursive Kernel Regression Structure. IEEE Transactions on Multimedia, 2019, 21, 2223-2236.	7.2	20
125	Video Texture Synthesis With Multi-Frame LBP-TOP and Diffeomorphic Growth Model. IEEE Transactions on Image Processing, 2013, 22, 3879-3891.	9.8	19
126	Toward Bridging Microexpressions From Different Domains. IEEE Transactions on Cybernetics, 2020, 50, 5047-5060.	9.5	18

#	ARTICLE	IF	CITATIONS
127	Descriptor Learning Based on Fisher Separation Criterion for Texture Classification. Lecture Notes in Computer Science, 2011, , 185-198.	1.3	17
128	Amplitude spectrum-based gait recognition. , 0, , .		16
129	Gait recognition using fractal scale. Pattern Analysis and Applications, 2007, 10, 235-246.	4.6	16
130	LOAD: Local orientation adaptive descriptor for texture and material classification. Neurocomputing, 2016, 184, 28-35.	5.9	16
131	Spontaneous facial micro-expression analysis using spatiotemporal local radon-based binary pattern. , 2017, , .		16
132	OMEG: Oulu Multi-Pose Eye Gaze Dataset. Lecture Notes in Computer Science, 2015, , 418-427.	1.3	16
133	An improved local descriptor and threshold learning for unsupervised dynamic texture segmentation. , 2009, , .		15
134	Automatic Micro-Expression Analysis: Open Challenges. Frontiers in Psychology, 2019, 10, 1833.	2.1	15
135	Scalable multi-label canonical correlation analysis for cross-modal retrieval. Pattern Recognition, 2021, 115, 107905.	8.1	15
136	Cross-domain heterogeneous residual network for single image super-resolution. Neural Networks, 2022, 149, 84-94.	5.9	15
137	Exploring illumination robust descriptors for human epithelial type 2 cell classification. Pattern Recognition, 2016, 60, 420-429.	8.1	14
138	Concatenated Frame Image Based CNN for Visual Speech Recognition. Lecture Notes in Computer Science, 2017, , 277-289.	1.3	14
139	Saliency-Based Segmentation of Optic Disc in Retinal Images. Chinese Journal of Electronics, 2019, 28, 71-75.	1.5	14
140	The 1st Challenge on Remote Physiological Signal Sensing (RePSS). , 2020, , .		14
141	3D Skeletal Gesture Recognition via Discriminative Coding on Time-Warping Invariant Riemannian Trajectories. IEEE Transactions on Multimedia, 2021, 23, 1841-1854.	7.2	14
142	Experiments with Facial Expression Recognition using Spatiotemporal Local Binary Patterns. , 2007, , .		13
143	A robust descriptor based on Weber's Law. , 2008, , .		13
144	Dynamic textures for human movement recognition. , 2010, , .		13

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145	CS-3DLBP and geometry based person independent 3D facial action unit detection. , 2013, , .		13
146	Quantifying Micro-expressions with Constraint Local Model and Local Binary Pattern. Lecture Notes in Computer Science, 2015, , 296-305.	1.3	13
147	Dense prediction for micro-expression spotting based on deep sequence model. IS&T International Symposium on Electronic Imaging, 2019, 31, 401-1-401-6.	0.4	12
148	Cross-Database Micro-Expression Recognition. , 2019, , .		12
149	Sliding Window Based Micro-expression Spotting: A Benchmark. Lecture Notes in Computer Science, 2017, , 542-553.	1.3	12
150	Expression Recognition in Videos Using a Weighted Component-Based Feature Descriptor. Lecture Notes in Computer Science, 2011, , 569-578.	1.3	12
151	4DME: A Spontaneous 4D Micro-Expression Dataset With Multimodalities. IEEE Transactions on Affective Computing, 2023, 14, 3031-3047.	8.3	12
152	HEp-2 cell classification: The role of Gaussian Scale Space Theory as a pre-processing approach. Pattern Recognition Letters, 2016, 82, 36-43.	4.2	11
153	Saliency Integration: An Arbitrator Model. IEEE Transactions on Multimedia, 2019, 21, 98-113.	7.2	11
154	Texture Description with Completed Local Quantized Patterns. Lecture Notes in Computer Science, 2013, , 1-10.	1.3	11
155	Combining dynamic texture and structural features for speaker identification. , 2010, , .		11
156	Gesture interaction for wall-sized touchscreen display. , 2013, , .		10
157	Sparse projections matrix binary descriptors for face recognition. Neurocomputing, 2018, 297, 8-21.	5.9	10
158	Temporal Hierarchical Dictionary Guided Decoding for Online Gesture Segmentation and Recognition. IEEE Transactions on Image Processing, 2020, 29, 9689-9702.	9.8	10
159	Towards Reading Beyond Faces for Sparsity-aware 3D/4D Affect Recognition. Neurocomputing, 2021, 458, 297-307.	5.9	10
160	Lipreading: A Graph Embedding Approach. , 2010, , .		9
161	Incorporating high-level and low-level cues for pain intensity estimation. , 2018, , .		9
162	A New Gabor Phase Difference Pattern for Face and Ear Recognition. Lecture Notes in Computer Science, 2009, , 41-49.	1.3	9

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163	Dynamic Facial Expression Recognition Using Boosted Component-Based Spatiotemporal Features and Multi-classifier Fusion. Lecture Notes in Computer Science, 2010, , 312-322.	1.3	9
164	Facial expression classification based on local spatiotemporal edge and texture descriptors. , 2010, , .		8
165	Thorax disease diagnosis using deep convolutional neural network. , 2016, 2016, 2287-2290.		8
166	LBP-TOP: A Tensor Unfolding Revisit. Lecture Notes in Computer Science, 2017, , 513-527.	1.3	8
167	Temporal Hierarchical Dictionary with HMM for Fast Gesture Recognition. , 2018, , .		7
168	PCANet-II: When PCANet Meets the Second Order Pooling. IEICE Transactions on Information and Systems, 2018, E101.D, 2159-2162.	0.7	7
169	Hidden States Exploration for 3D Skeleton-Based Gesture Recognition. , 2019, , .		7
170	Disentangling 3D/4D Facial Affect Recognition With Faster Multi-View Transformer. IEEE Signal Processing Letters, 2021, 28, 1913-1917.	3.6	7
171	Emotion recognition from facial images with arbitrary views. , 2013, , .		7
172	Extended local binary pattern fusion for face recognition. , 2014, , .		6
173	Super Wide Regression Network for Unsupervised Cross-Database Facial Expression Recognition. , 2018, , .		6
174	Unsupervised dynamic texture segmentation using local spatiotemporal descriptors. , 2008, , .		5
175	Robust Facial Expression Recognition Using Revised Canonical Correlation. , 2014, , .		5
176	Size effects of alkylimidazolium cations on the interfacial properties and CO ₂ uptake capacity in layered organic-inorganic imidazolium-TiO ₂ hybrids. RSC Advances, 2016, 6, 23102-23109.	3.6	5
177	HEp-2 Cell Classification via Combining Multiresolution Co-Occurrence Texture and Large Region Shape Information. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 429-440.	6.3	5
178	Characterizing Subtle Facial Movements via Riemannian Manifold. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-24.	4.3	5
179	Analyzing Group-Level Emotion with Global Alignment Kernel based Approach. IEEE Transactions on Affective Computing, 2022, 13, 713-728.	8.3	5
180	Visual Speaker Identification with Spatiotemporal Directional Features. Lecture Notes in Computer Science, 2013, , 1-10.	1.3	5

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181	Local Configuration Features and Discriminative Learnt Features for Texture Description. Studies in Computational Intelligence, 2014, , 113-129.	0.9	5
182	Human Motion Recognition and Simulation Based on Retrieval. Jisuanji Yanjiu Yu Fazhan/Computer Research and Development, 2006, 43, 368.	0.2	5
183	Micro-expression Action Unit Detection with Dual-view Attentive Similarity-Preserving Knowledge Distillation. , 2021, , .		5
184	Dynamic texture synthesis using a spatial temporal descriptor. , 2009, , .		4
185	Local spatiotemporal features for dynamic texture synthesis. Eurasip Journal on Image and Video Processing, 2014, 2014, .	2.6	4
186	Tetracarboxyl-Functionalized Ionic Liquid: Synthesis and Catalytic Properties. Australian Journal of Chemistry, 2015, 68, 1513.	0.9	4
187	Saliency detection via bi-directional propagation. Journal of Visual Communication and Image Representation, 2018, 53, 113-121.	2.8	4
188	Editorial: Recognizing Microexpression: An Interdisciplinary Perspective. Frontiers in Psychology, 2019, 10, 1318.	2.1	4
189	A Coarse-to-Fine Framework for Multiple Pedestrian Crossing Detection. Sensors, 2020, 20, 4144.	3.8	4
190	Corrections to "Spatiotemporal Recurrent Convolutional Networks for Recognizing Spontaneous Micro-Expressions". IEEE Transactions on Multimedia, 2020, 22, 1111-1111.	7.2	4
191	3D Skeletal Gesture Recognition via Sparse Coding of Time-Warping Invariant Riemannian Trajectories. Lecture Notes in Computer Science, 2019, , 678-690.	1.3	4
192	Multi-band Gradient Component Pattern (MGCP): A New Statistical Feature for Face Recognition. Lecture Notes in Computer Science, 2009, , 229-238.	1.3	4
193	Landmarks-assisted Collaborative Deep Framework for Automatic 4D Facial Expression Recognition. , 2020, , .		4
194	Intra- and Inter-Contrastive Learning for Micro-expression Action Unit Detection. , 2021, , .		4
195	Combining Wavelet Velocity Moments and Reflective Symmetry for Gait Recognition. Lecture Notes in Computer Science, 2005, , 205-212.	1.3	4
196	Gait Recognition Using Fractal Scale and Wavelet Moments. , 2006, , .		3
197	Synthesizing a talking mouth. , 2010, , .		3
198	Sparse Tikhonov-Regularized Hashing for Multi-Modal Learning. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
199	Editorial of Special Issue on Human Behaviour Analysis "In-the-Wild", IEEE Transactions on Affective Computing, 2019, 10, 4-6.	8.3	3
200	SRN: Side-Output Residual Network for Object Reflection Symmetry Detection and Beyond. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1881-1895.	11.3	3
201	Morphology-preserving reconstruction of times series with missing data for enhancing deep learning-based classification. Biomedical Signal Processing and Control, 2021, 70, 103052.	5.7	3
202	Spatio-Temporal Pain Estimation Network With Measuring Pseudo Heart Rate Gain. IEEE Transactions on Multimedia, 2022, 24, 3300-3313.	7.2	3
203	A Task-Driven Eye Tracking Dataset for Visual Attention Analysis. Lecture Notes in Computer Science, 2015, , 637-648.	1.3	3
204	Dynamic Texture Synthesis in Space with a Spatio-temporal Descriptor. Lecture Notes in Computer Science, 2013, , 38-49.	1.3	3
205	Learning mappings for face synthesis from near infrared to visual light images. , 2009, , .		3
206	Weight-Based Facial Expression Recognition from Near-Infrared Video Sequences. Lecture Notes in Computer Science, 2009, , 239-248.	1.3	3
207	Combining sparse and dense descriptors with temporal semantic structures for robust human action recognition. , 2011, , .		2
208	Face Analysis Using Still Images. Computational Imaging and Vision, 2011, , 151-168.	0.6	2
209	Pose Estimation via Complex-Frequency Domain Analysis of Image Gradient Orientations. , 2014, , .		2
210	An immersive fire training system using kinect. , 2014, , .		2
211	3D Facial Expression Recognition Based on Multi-View and Prior Knowledge Fusion. , 2019, , .		2
212	Incorporating Texture Intensity Information into LBP-Based Operators. Lecture Notes in Computer Science, 2013, , 66-75.	1.3	2
213	Pain fingerprinting using multimodal sensing: pilot study. Multimedia Tools and Applications, 2022, 81, 5717-5742.	3.9	2
214	Principal appearance and motion from boosted spatiotemporal descriptors. , 2008, , .		1
215	Description of Interest Regions. Computational Imaging and Vision, 2011, , 81-88.	0.6	1
216	Background subtraction using Multi-Channel Fused Lasso. IS&T International Symposium on Electronic Imaging, 2019, 2019, 269-1-269-6.	0.4	1

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217	Spatiotemporal LBP. Computational Imaging and Vision, 2011, , 49-65.	0.6	1
218	DynGeoNet: Fusion Network for Micro-expression Spotting. , 2021, , .		1
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220	The 2nd Challenge on Remote Physiological Signal Sensing (RePSS). , 2021, , .		1
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