

# Xinbo Gao

## List of Publications by Year in descending order

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360  
papers

11,052  
citations

47006

47  
h-index

66911

78  
g-index

366  
all docs

366  
docs citations

366  
times ranked

7358  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of graph edit distance. Pattern Analysis and Applications, 2010, 13, 113-129.	4.6	531
2	Fast and Accurate Single Image Super-Resolution via Information Distillation Network. , 2018, , .		500
3	Lightweight Image Super-Resolution with Information Multi-distillation Network. , 2019, , .		445
4	Ordinal Regression with Multiple Output CNN for Age Estimation. , 2016, , .		344
5	Triplet-Based Deep Hashing Network for Cross-Modal Retrieval. IEEE Transactions on Image Processing, 2018, 27, 3893-3903.	9.8	306
6	A Comprehensive Survey to Face Hallucination. International Journal of Computer Vision, 2014, 106, 9-30.	15.6	294
7	Self-Supervised Adversarial Hashing Networks for Cross-Modal Retrieval. , 2018, , .		276
8	Image Quality Assessment Based on Multiscale Geometric Analysis. IEEE Transactions on Image Processing, 2009, 18, 1409-1423.	9.8	210
9	Channel-Wise and Spatial Feature Modulation Network for Single Image Super-Resolution. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3911-3927.	8.3	191
10	Face Sketchâ€“Photo Synthesis and Retrieval Using Sparse Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1213-1226.	8.3	161
11	Deep Convolutional Neural Networks for mental load classification based on EEG data. Pattern Recognition, 2018, 76, 582-595.	8.1	157
12	Joint Learning for Single-Image Super-Resolution via a Coupled Constraint. IEEE Transactions on Image Processing, 2012, 21, 469-480.	9.8	153
13	Bayesian Face Sketch Synthesis. IEEE Transactions on Image Processing, 2017, 26, 1264-1274.	9.8	126
14	Facial feature point detection: A comprehensive survey. Neurocomputing, 2018, 275, 50-65.	5.9	124
15	SVM based multi-label learning with missing labels for image annotation. Pattern Recognition, 2018, 78, 307-317.	8.1	118
16	Face Sketch Synthesis Algorithm Based on E-HMM and Selective Ensemble. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 487-496.	8.3	114
17	Label Consistent Matrix Factorization Hashing for Large-Scale Cross-Modal Similarity Search. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2466-2479.	13.9	107
18	Graphical Representation for Heterogeneous Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 301-312.	13.9	104

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19	Random sampling for fast face sketch synthesis. Pattern Recognition, 2018, 76, 215-227.	8.1	104
20	Partially Supervised Neighbor Embedding for Example-Based Image Super-Resolution. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 230-239.	10.8	103
21	Hierarchical Multimodal LSTM for Dense Visual-Semantic Embedding. , 2017, , .		103
22	A Relay Level Set Method for Automatic Image Segmentation. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 518-525.	5.0	95
23	Multiple Representations-Based Face Sketch“Photo Synthesis. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2201-2215.	11.3	94
24	A Non-Greedy Algorithm for L1-Norm LDA. IEEE Transactions on Image Processing, 2017, 26, 684-695.	9.8	94
25	Discriminative Multi-instance Multitask Learning for 3D Action Recognition. IEEE Transactions on Multimedia, 2017, 19, 519-529.	7.2	94
26	Discriminative Dictionary Learning With Common Label Alignment for Cross-Modal Retrieval. IEEE Transactions on Multimedia, 2016, 18, 208-218.	7.2	92
27	Robust and Flexible Discrete Hashing for Cross-Modal Similarity Search. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2703-2715.	8.3	84
28	$\ell_{2,p}$ -Norm Based PCA for Image Recognition. IEEE Transactions on Image Processing, 2018, 27, 1336-1346.	9.8	83
29	A parasitic metric learning net for breast mass classification based on mammography. Pattern Recognition, 2018, 75, 292-301.	8.1	79
30	Single Image Dehazing With Depth-Aware Non-Local Total Variation Regularization. IEEE Transactions on Image Processing, 2018, 27, 5178-5191.	9.8	79
31	Zernike-Moment-Based Image Super Resolution. IEEE Transactions on Image Processing, 2011, 20, 2738-2747.	9.8	76
32	MTD-Net: Learning to Detect Deepfakes Images by Multi-Scale Texture Difference. IEEE Transactions on Information Forensics and Security, 2021, 16, 4234-4245.	6.9	76
33	A Cascade Rotated Anchor-Aided Detector for Ship Detection in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, , 1-14.	6.3	75
34	AIM 2019 Challenge on Real-World Image Super-Resolution: Methods and Results. , 2019, , .		73
35	Multiview Clustering Based on Non-Negative Matrix Factorization and Pairwise Measurements. IEEE Transactions on Cybernetics, 2019, 49, 3333-3346.	9.5	69
36	Improving Level Set Method for Fast Auroral Oval Segmentation. IEEE Transactions on Image Processing, 2014, 23, 2854-2865.	9.8	68

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37	Tensor Rank Preserving Discriminant Analysis for Facial Recognition. IEEE Transactions on Image Processing, 2018, 27, 325-334.	9.8	68
38	Haze removal for a single visible remote sensing image. Signal Processing, 2017, 137, 33-43.	3.7	67
39	Angle 2DPCA: A New Formulation for 2DPCA. IEEE Transactions on Cybernetics, 2018, 48, 1672-1678.	9.5	67
40	DLFace: Deep local descriptor for cross-modality face recognition. Pattern Recognition, 2019, 90, 161-171.	8.1	67
41	A Gated Peripheral-Foveal Convolutional Neural Network for Unified Image Aesthetic Prediction. IEEE Transactions on Multimedia, 2019, 21, 2815-2826.	7.2	66
42	Back projection: An effective postprocessing method for GAN-based face sketch synthesis. Pattern Recognition Letters, 2018, 107, 59-65.	4.2	65
43	Anchored Neighborhood Index for Face Sketch Synthesis. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2154-2163.	8.3	64
44	Blind Video Quality Assessment With Weakly Supervised Learning and Resampling Strategy. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2244-2255.	8.3	62
45	Dual-Transfer Face Sketch-Photo Synthesis. IEEE Transactions on Image Processing, 2019, 28, 642-657.	9.8	62
46	Supervised Gaussian Process Latent Variable Model for Dimensionality Reduction. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 425-434.	5.0	57
47	Latent Max-Margin Multitask Learning With Skelets for 3-D Action Recognition. IEEE Transactions on Cybernetics, 2016, 47, 1-10.	9.5	57
48	An Attention-Guided Deep Regression Model for Landmark Detection in Cephalograms. Lecture Notes in Computer Science, 2019, , 540-548.	1.3	56
49	Hierarchical learning of multi-task sparse metrics for large-scale image classification. Pattern Recognition, 2017, 67, 97-109.	8.1	55
50	Weighted Guided Image Filtering With Steering Kernel. IEEE Transactions on Image Processing, 2020, 29, 500-508.	9.8	53
51	No Reference Quality Assessment for Screen Content Images Using Stacked Autoencoders in Pictorial and Textual Regions. IEEE Transactions on Cybernetics, 2022, 52, 2798-2810.	9.5	52
52	On Combining Morphological Component Analysis and Concentric Morphology Model for Mammographic Mass Detection. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 266-273.	3.2	49
53	Superpixel-Based Face Sketch-Photo Synthesis. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 288-299.	8.3	49
54	No-Reference Quality Assessment for View Synthesis Using DoG-Based Edge Statistics and Texture Naturalness. IEEE Transactions on Image Processing, 2019, 28, 4566-4579.	9.8	48

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55	Data Augmentation-Based Joint Learning for Heterogeneous Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1731-1743.	11.3	48
56	Low-rank tensor constrained co-regularized multi-view spectral clustering. Neural Networks, 2020, 132, 245-252.	5.9	48
57	Joint and individual matrix factorization hashing for large-scale cross-modal retrieval. Pattern Recognition, 2020, 107, 107479.	8.1	48
58	Robust tensor subspace learning for anomaly detection. International Journal of Machine Learning and Cybernetics, 2011, 2, 89-98.	3.6	47
59	Extending twin support vector machine classifier for multi-category classification problems. Intelligent Data Analysis, 2013, 17, 649-664.	0.9	47
60	Dual-alignment Feature Embedding for Cross-modality Person Re-identification. , 2019, , .		47
61	A Deep Collaborative Framework for Face Photo-to-Sketch Synthesis. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3096-3108.	11.3	46
62	Transfer Adaptation Learning: A Decade Survey. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 23-44.	11.3	46
63	A Blind Stereoscopic Image Quality Evaluator With Segmented Stacked Autoencoders Considering the Whole Visual Perception Route. IEEE Transactions on Image Processing, 2019, 28, 1314-1328.	9.8	45
64	Joint Global and Local Structure Discriminant Analysis. IEEE Transactions on Information Forensics and Security, 2013, 8, 626-635.	6.9	44
65	$R_1$ -2-DPCA and Face Recognition. IEEE Transactions on Cybernetics, 2019, 49, 1212-1223.	9.5	44
66	Composite components-based face sketch recognition. Neurocomputing, 2018, 302, 46-54.	5.9	43
67	Advances in theory and applications of fuzzy clustering. Science Bulletin, 2000, 45, 961-970.	1.7	42
68	Coarse-to-Fine Learning for Single-Image Super-Resolution. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1109-1122.	11.3	42
69	Towards Transferable Targeted Attack. , 2020, , .		42
70	EEG-Based Emotion Recognition Using Logistic Regression with Gaussian Kernel and Laplacian Prior and Investigation of Critical Frequency Bands. Applied Sciences (Switzerland), 2020, 10, 1619.	2.5	40
71	Reconstructing seen image from brain activity by visually-guided cognitive representation and adversarial learning. NeuroImage, 2021, 228, 117602.	4.2	40
72	Efficient Multiple-Feature Learning-Based Hyperspectral Image Classification With Limited Training Samples. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4052-4062.	6.3	39

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73	Deep Latent Low-Rank Representation for Face Sketch Synthesis. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3109-3123.	11.3	39
74	Similarity Constraints-Based Structured Output Regression Machine: An Approach to Image Super-Resolution. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2472-2485.	11.3	38
75	Flexible unsupervised feature extraction for image classification. Neural Networks, 2019, 115, 65-71.	5.9	38
76	MaD-DLS: Mean and Deviation of Deep and Local Similarity for Image Quality Assessment. IEEE Transactions on Multimedia, 2021, 23, 4037-4048.	7.2	38
77	A Robust One-Stage Detector for Multiscale Ship Detection With Complex Background in Massive SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	37
78	Re-Ranking High-Dimensional Deep Local Representation for NIR-VIS Face Recognition. IEEE Transactions on Image Processing, 2019, 28, 4553-4565.	9.8	36
79	Face recognition from multiple stylistic sketches: Scenarios, datasets, and evaluation. Pattern Recognition, 2018, 84, 262-272.	8.1	35
80	AIM 2019 Challenge on Constrained Super-Resolution: Methods and Results. , 2019, , .		35
81	NTIRE 2019 Challenge on Real Image Super-Resolution: Methods and Results. , 2019, , .		35
82	Compositional Model-Based Sketch Generator in Facial Entertainment. IEEE Transactions on Cybernetics, 2018, 48, 904-915.	9.5	34
83	Small-Scale Pedestrian Detection Based on Deep Neural Network. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3046-3055.	8.0	34
84	Face Sketch-Photo Synthesis under Multi-dictionary Sparse Representation Framework. , 2011, , .		33
85	An Integrated Spatio-Spectralâ€”Temporal Sparse Representation Method for Fusing Remote-Sensing Images With Different Resolutions. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3358-3370.	6.3	33
86	Text detection in natural scene images based on color prior guided MSER. Neurocomputing, 2018, 307, 61-71.	5.9	33
87	CNN with spatio-temporal information for fast suspicious object detection and recognition in THz security images. Signal Processing, 2019, 160, 202-214.	3.7	33
88	Progressive Sub-Band Residual-Learning Network for MR Image Super Resolution. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 377-386.	6.3	33
89	Spectralâ€”Spatial-Weighted Multiview Collaborative Sparse Unmixing for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8766-8779.	6.3	33
90	Granular Ball Sampling for Noisy Label Classification or Imbalanced Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2144-2155.	11.3	32

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91	Learning lightweight super-resolution networks with weight pruning. Neural Networks, 2021, 144, 21-32.	5.9	32
92	Online Learning for Distributed Computation Offloading in Wireless Powered Mobile Edge Computing Networks. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1841-1855.	5.6	32
93	Image quality assessment based on S-CIELAB model. Signal, Image and Video Processing, 2011, 5, 283-290.	2.7	31
94	Label-activating framework for zero-shot learning. Neural Networks, 2020, 121, 1-9.	5.9	31
95	Adaptive latent similarity learning for multi-view clustering. Neural Networks, 2020, 121, 409-418.	5.9	31
96	De-interlacing algorithms based on motion compensation. IEEE Transactions on Consumer Electronics, 2005, 51, 589-599.	3.6	29
97	Single Image Super-Resolution via Multiple Mixture Prior Models. IEEE Transactions on Image Processing, 2018, 27, 5904-5917.	9.8	29
98	Natural scene text detection with MCâ€œMR candidate extraction and coarse-to-fine filtering. Neurocomputing, 2017, 260, 112-122.	5.9	28
99	Adaptive robust principal component analysis. Neural Networks, 2019, 119, 85-92.	5.9	28
100	Hybrid Dynamic Contrast and Probability Distillation for Unsupervised Person Re-Id. IEEE Transactions on Image Processing, 2022, 31, 3334-3346.	9.8	28
101	Robust Sparse Coding for Mobile Image Labeling on the Cloud. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 62-72.	8.3	27
102	Optimal mean two-dimensional principal component analysis with F-norm minimization. Pattern Recognition, 2017, 68, 286-294.	8.1	27
103	Inter-site harmonization based on dual generative adversarial networks for diffusion tensor imaging: application to neonatal white matter development. BioMedical Engineering OnLine, 2020, 19, 4.	2.7	27
104	CGAN-TM: A Novel Domain-to-Domain Transferring Method for Person Re-Identification. IEEE Transactions on Image Processing, 2020, 29, 5641-5651.	9.8	27
105	Real-Time Video Super-Resolution on Smartphones with Deep Learning, Mobile AI 2021 Challenge: Report. , 2021, , .		27
106	Face sketch-photo synthesis based on support vector regression. , 2011, , .		26
107	Deep spectral convolution network for hyperspectral image unmixing with spectral library. Signal Processing, 2020, 176, 107672.	3.7	26
108	TWin support tensor machines for MCs detection. Journal of Electronics, 2009, 26, 318-325.	0.2	25

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109	Learning a Tracking and Estimation Integrated Graphical Model for Human Pose Tracking. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3176-3186.	11.3	25
110	Face Sketch Synthesis From a Single Photo to Sketch Pair. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 275-287.	8.3	25
111	Robust DLPP With Nongreedy $\ell_1$ -Norm Minimization and Maximization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 738-743.	11.3	25
112	NTIRE 2019 Challenge on Image Enhancement: Methods and Results. , 2019, , .		25
113	Face Sketch Synthesis in the Wild via Deep Patch Representation-Based Probabilistic Graphical Model. IEEE Transactions on Information Forensics and Security, 2020, 15, 172-183.	6.9	25
114	Modality adversarial neural network for visible-thermal person re-identification. Pattern Recognition, 2020, 107, 107533.	8.1	25
115	mCRF and mRD: Two Classification Methods Based on a Novel Multiclass Label Noise Filtering Learning Framework. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2916-2930.	11.3	25
116	Graph and Autoencoder Based Feature Extraction for Zero-shot Learning. , 2019, , .		25
117	Local Feature Based Geometric-Resistant Image Information Hiding. Cognitive Computation, 2010, 2, 68-77.	5.2	24
118	Fast single image super-resolution using sparse Gaussian process regression. Signal Processing, 2017, 134, 52-62.	3.7	23
119	Compressed multi-scale feature fusion network for single image super-resolution. Signal Processing, 2018, 146, 50-60.	3.7	23
120	Bionic Face Sketch Generator. IEEE Transactions on Cybernetics, 2020, 50, 2701-2714.	9.5	23
121	No-Reference Quality Assessment for Screen Content Images Using Visual Edge Model and AdaBoosting Neural Network. IEEE Transactions on Image Processing, 2021, 30, 6801-6814.	9.8	23
122	BoSR: A CNN-based aurora image retrieval method. Neural Networks, 2019, 116, 188-197.	5.9	22
123	Urban Observation: Integration of Remote Sensing and Social Media Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4252-4264.	4.9	22
124	Sparse graphical representation based discriminant analysis for heterogeneous face recognition. Signal Processing, 2019, 156, 46-61.	3.7	22
125	Learning local dictionaries and similarity structures for single image super-resolution. Signal Processing, 2018, 142, 231-243.	3.7	21
126	Aurora image search with contextual CNN feature. Neurocomputing, 2018, 281, 67-77.	5.9	21



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127	Graph embedding clustering: Graph attention auto-encoder with cluster-specificity distribution. <i>Neural Networks</i> , 2021, 142, 221-230.	5.9	21
128	Deep Joint Semantic-Embedding Hashing. , 2018, , .		21
129	Tracking Human Pose Using Max-Margin Markov Models. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 5274-5287.	9.8	20
130	$\{L_{2,1}\}$ -Norm Discriminant Manifold Learning. <i>IEEE Access</i> , 2018, 6, 40723-40734.	4.2	20
131	Cascaded Face Sketch Synthesis Under Various Illuminations. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 1507-1521.	9.8	20
132	Blind Stereoscopic Image Quality Evaluator Based on Binocular Semantic and Quality Channels. <i>IEEE Transactions on Multimedia</i> , 2022, 24, 1389-1398.	7.2	20
133	ForgeryNIR: Deep Face Forgery and Detection in Near-Infrared Scenario. <i>IEEE Transactions on Information Forensics and Security</i> , 2022, 17, 500-515.	6.9	20
134	On the Schatten norm for matrix based subspace learning and classification. <i>Neurocomputing</i> , 2016, 216, 192-199.	5.9	19
135	Unified framework for face sketch synthesis. <i>Signal Processing</i> , 2017, 130, 1-11.	3.7	19
136	An ellipse extended target CBMeMber filter using gamma and box-particle implementation. <i>Signal Processing</i> , 2018, 149, 88-102.	3.7	19
137	Knowledge-Based Topic Model for Unsupervised Object Discovery and Localization. <i>IEEE Transactions on Image Processing</i> , 2018, 27, 50-63.	9.8	19
138	Dual residual attention module network for single image super resolution. <i>Neurocomputing</i> , 2019, 364, 269-279.	5.9	19
139	A Hybrid Level Set With Semantic Shape Constraint for Object Segmentation. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1558-1569.	9.5	19
140	Robust Video-Based Person Re-Identification by Hierarchical Mining. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 8179-8191.	8.3	19
141	TSGCNet: Discriminative Geometric Feature Learning with Two-Stream Graph Convolutional Network for 3D Dental Model Segmentation. , 2021, , .		19
142	A Circular-Structured Representation for Visual Emotion Distribution Learning. , 2021, , .		19
143	Tensorized Bipartite Graph Learning for Multi-View Clustering. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022, , 1-16.	13.9	19
144	A Wavelet Based Image Watermarking Scheme. , 2006, , .		18

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145	Single Image Super-resolution Using Gaussian Process Regression with Dictionary-based Sampling and Student-t Likelihood. IEEE Transactions on Image Processing, 2017, 26, 1-1.	9.8	18
146	Learning recurrent residual regressors for single image super-resolution. Signal Processing, 2019, 154, 324-337.	3.7	18
147	Person Re-Identification with Feature Pyramid Optimization and Gradual Background Suppression. Neural Networks, 2020, 124, 223-232.	5.9	18
148	Learning stacking regression for no-reference super-resolution image quality assessment. Signal Processing, 2021, 178, 107771.	3.7	18
149	Face Photo-Sketch Synthesis via Knowledge Transfer. , 2019, , .		18
150	Mean-Field Learning for Edge Computing in Mobile Blockchain Networks. IEEE Transactions on Mobile Computing, 2023, 22, 5978-5994.	5.8	18
151	Evaluation on synthesized face sketches. Neurocomputing, 2016, 214, 991-1000.	5.9	17
152	Markov Random Fields Integrating Adaptive Interclass-Pair Penalty and Spectral Similarity for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2520-2534.	6.3	17
153	HCNN-PSI: A hybrid CNN with partial semantic information for space target recognition. Pattern Recognition, 2020, 108, 107531.	8.1	17
154	No-Reference Quality Evaluation of Stereoscopic Video Based on Spatio-Temporal Texture. IEEE Transactions on Multimedia, 2020, 22, 2635-2644.	7.2	17
155	Learning Deep Patch representation for Probabilistic Graphical Model-Based Face Sketch Synthesis. International Journal of Computer Vision, 2021, 129, 1820-1836.	15.6	17
156	Edge-Preserving Convolutional Generative Adversarial Networks for SAR-to-Optical Image Translation. Remote Sensing, 2021, 13, 3575.	4.0	17
157	A 3D wavelet based spatial-temporal approach for video watermarking. , 0, , .		16
158	Single image super resolution with high resolution dictionary. , 2011, , .		16
159	Level Set Region Based Image Segmentation Using Lattice Boltzmann Method. , 2011, , .		16
160	Multi-Kernel Implicit Curve Evolution for Selected Texture Region Segmentation in VHR Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5183-5192.	6.3	16
161	Asynchronous Tracking-by-Detection on Adaptive Time Surfaces for Event-based Object Tracking. , 2019, , .		16
162	Landmark Reranking for Smart Travel Guide Systems by Combining and Analyzing Diverse Media. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1492-1504.	9.3	15

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163	Euler Label Consistent K-SVD for image classification and action recognition. Neurocomputing, 2018, 310, 277-286.	5.9	15
164	Deep Multi-scale Discriminative Networks for Double JPEG Compression Forensics. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-20.	4.5	15
165	Hyperspectral image denoising via minimizing the partial sum of singular values and superpixel segmentation. Neurocomputing, 2019, 330, 465-482.	5.9	15
166	A Simple Discriminative Dual Semantic Auto-encoder for Zero-shot Classification. , 2020, , .		15
167	Semantic-related image style transfer with dual-consistency loss.. Neurocomputing, 2020, 406, 135-149.	5.9	15
168	Soft Semantic Representation for Cross-Domain Face Recognition. IEEE Transactions on Information Forensics and Security, 2021, 16, 346-360.	6.9	15
169	Estimating Human Pose Efficiently by Parallel Pyramid Networks. IEEE Transactions on Image Processing, 2021, 30, 6785-6800.	9.8	15
170	Object Detection for Aerial Images With Feature Enhancement and Soft Label Assignment. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	15
171	A Visual Residual Perception Optimized Network for Blind Image Quality Assessment. IEEE Access, 2019, 7, 176087-176098.	4.2	14
172	A spatiotemporal model of video quality assessment via 3D gradient differencing. Information Sciences, 2019, 478, 141-151.	6.9	14
173	Deep multi-label learning for image distortion identification. Signal Processing, 2020, 172, 107536.	3.7	14
174	Lightweight image super-resolution with feature enhancement residual network. Neurocomputing, 2020, 404, 50-60.	5.9	14
175	Markov Random Neural Fields for Face Sketch Synthesis. , 2018, , .		14
176	CRS-CONT: A Well-Trained General Encoder for Facial Expression Analysis. IEEE Transactions on Image Processing, 2022, 31, 4637-4650.	9.8	14
177	A superpixel-based CRF saliency detection approach. Neurocomputing, 2017, 244, 19-32.	5.9	13
178	Large Sparse Cone Non-negative Matrix Factorization for Image Annotation. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-21.	4.5	13
179	Two-Stage Convolutional Network for Image Super-Resolution. , 2018, , .		13
180	Perception-Preserving Convolutional Networks for Image Enhancement on Smartphones. Lecture Notes in Computer Science, 2019, , 197-213.	1.3	13

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181	Learning to Acquire the Quality of Human Pose Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1555-1568.	8.3	13
182	KFC: An Efficient Framework for Semi-Supervised Temporal Action Localization. IEEE Transactions on Image Processing, 2021, 30, 6869-6878.	9.8	13
183	Deep Attribute Guided Representation for Heterogeneous Face Recognition. , 2018, , .		13
184	Two-Stream Graph Convolutional Network for Intra-Oral Scanner Image Segmentation. IEEE Transactions on Medical Imaging, 2022, 41, 826-835.	8.9	13
185	HMM-based graph edit distance for image indexing. International Journal of Imaging Systems and Technology, 2008, 18, 209-218.	4.1	12
186	Architecture-Driven Level Set Optimization: From Clustering to Subpixel Image Segmentation. IEEE Transactions on Cybernetics, 2016, 46, 3181-3194.	9.5	12
187	Collaborative learning for hyperspectral image classification. Neurocomputing, 2018, 275, 2512-2524.	5.9	12
188	A Comparative Study on Face Sketch Synthesis. IEEE Access, 2018, 6, 37084-37093.	4.2	12
189	Precise Measurement of Position and Attitude Based on Convolutional Neural Network and Visual Correspondence Relationship. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2030-2041.	11.3	12
190	Full-Reference Quality Assessment for Screen Content Images Based on the Concept of Global-Guidance and Local-Adjustment. IEEE Transactions on Broadcasting, 2021, 67, 696-709.	3.2	12
191	Curvature Consistent Network for Microscope Chip Image Super-Resolution. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10538-10551.	11.3	12
192	IEMask R-CNN: Information-Enhanced Mask R-CNN. IEEE Transactions on Big Data, 2023, 9, 688-700.	6.1	12
193	Invariant Image Watermarking Based on Local Feature Regions. , 2008, , .		11
194	Robust lossless data hiding: Analysis and evaluation. , 2010, , .		11
195	Image sharpening detection based on multiresolution overshoot artifact analysis. Multimedia Tools and Applications, 2017, 76, 16563-16580.	3.9	11
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