Xiaohua Xie

List of Publications by Year
in descending order

70 papers	1,386 citations	516710 16 h-index	414414 32 g-index
73 all docs	73 docs citations	73 times ranked	1156 citing authors

#	Article	IF	Citations
1	Interactive Two-Stream Decoder for Accurate and Fast Saliency Detection. , 2020, , .		204
2	Learning Modality-Specific Representations for Visible-Infrared Person Re-Identification. IEEE Transactions on Image Processing, 2020, 29, 579-590.	9.8	163
3	Normalization of Face Illumination Based on Large-and Small-Scale Features. IEEE Transactions on Image Processing, 2011, 20, 1807-1821.	9.8	118
4	Spatial-Temporal Person Re-Identification. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8933-8940.	4.9	111
5	Face hallucination based on morphological component analysis. Signal Processing, 2013, 93, 445-458.	3.7	74
6	Extraction of illumination invariant facial features from a single image using nonsubsampled contourlet transform. Pattern Recognition, 2010, 43, 4177-4189.	8.1	67
7	Contour-Aware Loss: Boundary-Aware Learning for Salient Object Segmentation. IEEE Transactions on Image Processing, 2021, 30, 431-443.	9.8	58
8	Learning View-Specific Deep Networks for Person Re-Identification. IEEE Transactions on Image Processing, 2018, 27, 3472-3483.	9.8	56
9	Sketchâ€toâ€Design: Contextâ€Based Part Assembly. Computer Graphics Forum, 2013, 32, 233-245.	3.0	47
10	A Machine-learning Approach to Forecast Aggravation Risk in Patients with Acute Exacerbation of Chronic Obstructive Pulmonary Disease with Clinical Indicators. Scientific Reports, 2020, 10, 3118.	3.3	38
11	P2SNet: Can an Image Match a Video for Person Re-Identification in an End-to-End Way?. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2777-2787.	8.3	30
12	Homogeneous-to-Heterogeneous: Unsupervised Learning for RGB-Infrared Person Re-Identification. IEEE Transactions on Image Processing, 2021, 30, 6392-6407.	9.8	28
13	Learning Modal-Invariant Angular Metric by Cyclic Projection Network for VIS-NIR Person Re-Identification. IEEE Transactions on Image Processing, 2021, 30, 8019-8033.	9.8	25
14	Face illumination normalization on large and small scale features. , 2008, , .		23
15	Illumination preprocessing for face images based on empirical mode decomposition. Signal Processing, 2014, 103, 250-257.	3.7	23
16	Fast Optical Flow Estimation Based on the Split Bregman Method. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 664-678.	8.3	22
17	A multilevel statistical toolkit to study animal social networks: the Animal Network Toolkit Software (ANTs) R package. Scientific Reports, 2020, 10, 12507.	3.3	20
18	A Filtering-Based Framework for Optical Flow Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1350-1364.	8.3	18

#	Article	IF	Citations
19	Illumination-Invariance Optical Flow Estimation Using Weighted Regularization Transform. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 495-508.	8.3	16
20	Resolution-Aware Knowledge Distillation for Efficient Inference. IEEE Transactions on Image Processing, 2021, 30, 6985-6996.	9.8	15
21	Seeing Like a Human: Asynchronous Learning With Dynamic Progressive Refinement for Person Re-Identification. IEEE Transactions on Image Processing, 2022, 31, 352-365.	9.8	15
22	Deep Growing Learning. , 2017, , .		14
23	Efficient Segmentation-Based PatchMatch for Large Displacement Optical Flow Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3595-3607.	8.3	12
24	Face Image Illumination Processing Based on Generative Adversarial Nets. , 2018, , .		11
25	Weakly Supervised Learning for Raindrop Removal on a Single Image. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1673-1683.	8.3	11
26	Sparse transfer for facial shape-from-shading. Pattern Recognition, 2017, 68, 272-285.	8.1	10
27	Peak Outpatient and Emergency Department Visit Forecasting for Patients With Chronic Respiratory Diseases Using Machine Learning Methods: Retrospective Cohort Study. JMIR Medical Informatics, 2020, 8, e13075.	2.6	10
28	Image super-resolution via a densely connected recursive network. Neurocomputing, 2018, 316, 270-276.	5.9	9
29	Motion-Appearance Interactive Encoding for Object Segmentation in Unconstrained Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1613-1624.	8.3	9
30	Optical Flow Estimation Based on the Frequency-Domain Regularization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 217-230.	8.3	9
31	Lightweight Texture Correlation Network for Pose Guided Person Image Generation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4584-4598.	8.3	9
32	Learning an Intrinsic Image Decomposer Using Synthesized RGB-D Dataset. IEEE Signal Processing Letters, 2018, 25, 753-757.	3.6	8
33	Learning discriminative visual elements using part-based convolutional neural network. Neurocomputing, 2018, 316, 135-143.	5.9	7
34	Non-ideal class non-point light source quotient image for face relighting. Signal Processing, 2011, 91, 1048-1053.	3.7	6
35	Efficient and Switchable CNN for Crowd Counting Based on Embedded Terminal. IEEE Access, 2019, 7, 51533-51541.	4.2	6
36	RelightGAN: Instance-level Generative Adversarial Network for Face Illumination Transfer. IEEE Transactions on Image Processing, 2021, 30, 3450-3460.	9.8	6

#	Article	IF	Citations
37	Visually Maintained Image Disturbance Against Deepfake Face Swapping. , 2021, , .		6
38	A Study on the Effective Approach to Illumination-Invariant Face Recognition Based on a Single Image. Lecture Notes in Computer Science, 2012, , 33-41.	1.3	6
39	Learning object-specific DAGs for multi-label material recognition. Computer Vision and Image Understanding, 2016, 143, 183-190.	4.7	5
40	Facial skin beautification via sparse representation over learned layer dictionary. , 2016, , .		4
41	Exploiting object semantic cues for Multi-label Material Recognition. Neurocomputing, 2016, 173, 1646-1654.	5.9	4
42	Part-based convolutional neural network for visual recognition. , 2017, , .		4
43	Feature Visualization Based Stacked Convolutional Neural Network for Human Body Detection in a Depth Image. Lecture Notes in Computer Science, 2018, , 87-98.	1.3	4
44	Fourier Series Analysis for Novel Spatiotemporal Pulse Waves: Normal, Taut, and Slippery Pulse Images. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-9.	1.2	4
45	The novel three-dimensional pulse images analyzed by dynamic L-cube polynomial model. Medical and Biological Engineering and Computing, 2021, 59, 315-326.	2.8	4
46	Fast Prediction of Deterioration and Death Risk in Patients With Acute Exacerbation of Chronic Obstructive Pulmonary Disease Using Vital Signs and Admission History: Retrospective Cohort Study. JMIR Medical Informatics, 2019, 7, e13085.	2.6	4
47	Face Hallucination under an Image Decomposition Perspective. , 2010, , .		3
48	Towards Automatic Detection of Monkey Faces. , 2018, , .		3
49	Face Image Illumination Processing Based on GAN with Dual Triplet Loss. Lecture Notes in Computer Science, 2018, , 150-161.	1.3	3
50	LG-VTON: Fashion Landmark Meets Image-Based Virtual Try-On. Lecture Notes in Computer Science, 2020, , 286-297.	1.3	3
51	Successive Consensus Clustering for Unsupervised Video-Based Person Re-Identification. IEEE Signal Processing Letters, 2022, 29, 822-826.	3.6	3
52	Cross-Channel Dynamic Weighting RPCA: A De-Noising Algorithm for Multi-Channel Arterial Pulse Signal. Applied Sciences (Switzerland), 2022, 12, 2931.	2.5	3
53	HEp-2 specimen classification via deep CNNs and pattern histogram. , 2016, , .		2
54	Interference Reduction by Using RPCA and Variational Mode Decomposition in 3D Pulse Images. , 2019, , .		2

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55	Intrinsic Image Sequence Decomposition Using Low-Rank Sparse Model. IEEE Access, 2019, 7, 4024-4030.	4.2	2
56	Identification of exacerbation risk in patients with liver dysfunction using machine learning algorithms. PLoS ONE, 2020, 15, e0239266.	2.5	2
57	Person Re-identification Using Group Constraint. Lecture Notes in Computer Science, 2019, , 459-471.	1.3	2
58	Selective Intra-Image Similarity for Personalized Fixation-Based Object Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7910-7923.	8.3	2
59	Face hallucination by deep traversal network. , 2016, , .		1
60	Motion Estimation with L₀ Norm Regularization. , 2021, , .		1
61	Siamese Network for Pedestrian Group Retrieval: A Benchmark. Lecture Notes in Computer Science, 2019, , 747-759.	1.3	1
62	Learning Intrinsic Image Decomposition by Deep Neural Network with Perceptual Loss. , 2018, , .		0
63	Open-World Group Retrieval with Ambiguity Removal: A Benchmark. , 2021, , .		0
64	Low-Resolution Person Re-identification by a Discriminative Resolution-Invariant Network. Lecture Notes in Computer Science, 2019, , 447-454.	1.3	0
65	Title is missing!. , 2020, 15, e0239266.		0
66	Title is missing!. , 2020, 15, e0239266.		0
67	Title is missing!. , 2020, 15, e0239266.		0
68	Title is missing!. , 2020, 15, e0239266.		0
69	Title is missing!. , 2020, 15, e0239266.		0
70	Title is missing!. , 2020, 15, e0239266.		0