Shuaicheng Liu

List of Publications by Year
in descending order

48	1,373	623734	434195
48 papers	1,373 citations	14 h-index	31 g-index

| 48 all docs | 48 docs citations | 48 times ranked | 829 citing authors |

#	Article	IF	Citations
1	DeepLiDAR: Deep Surface Normal Guided Depth Prediction for Outdoor Scene From Sparse LiDAR Data and Single Color Image. , 2019, , .		213
2	Bundled camera paths for video stabilization. ACM Transactions on Graphics, 2013, 32, 1-10.	7.2	204
3	A Hierarchical Approach for Rain or Snow Removing in a Single Color Image. IEEE Transactions on Image Processing, 2017, 26, 3936-3950.	9.8	154
4	SteadyFlow: Spatially Smooth Optical Flow for Video Stabilization. , 2014, , .		133
5	Unsupervised Deep Image Stitching: Reconstructing Stitched Features to Images. IEEE Transactions on Image Processing, 2021, 30, 6184-6197.	9.8	82
6	Joint Video Stitching and Stabilization From Moving Cameras. IEEE Transactions on Image Processing, 2016, 25, 5491-5503.	9.8	71
7	Content-Aware Unsupervised Deep Homography Estimation. Lecture Notes in Computer Science, 2020, , 653-669.	1.3	69
8	OAENet: Oriented attention ensemble for accurate facial expression recognition. Pattern Recognition, 2021, 112, 107694.	8.1	52
9	Seamless Video Stitching from Hand‑held Camera Inputs. Computer Graphics Forum, 2016, 35, 479-487.	3.0	47
10	CodingFlow: Enable Video Coding for Video Stabilization. IEEE Transactions on Image Processing, 2017, 26, 3291-3302.	9.8	32
11	Depth-Aware Multi-Grid Deep Homography Estimation With Contextual Correlation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4460-4472.	8.3	29
12	Rich Visual Knowledge-Based Augmentation Network for Visual Question Answering. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4362-4373.	11.3	28
13	A Hybrid Approach for Near-Range Video Stabilization. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1922-1933.	8.3	24
14	OIFlow: Occlusion-Inpainting Optical Flow Estimation by Unsupervised Learning. IEEE Transactions on Image Processing, 2021, 30, 6420-6433.	9.8	23
15	SDP-GAN: Saliency Detail Preservation Generative Adversarial Networks for High Perceptual Quality Style Transfer. IEEE Transactions on Image Processing, 2021, 30, 374-385.	9.8	19
16	An efficient and compact 3D local descriptor based on the weighted height image. Information Sciences, 2020, 520, 209-231.	6.9	18
17	Semi-Supervised Pixel-Level Scene Text Segmentation by Mutually Guided Network. IEEE Transactions on Image Processing, 2021, 30, 8212-8221.	9.8	14
18	SlimConv: Reducing Channel Redundancy in Convolutional Neural Networks by Features Recombining. IEEE Transactions on Image Processing, 2021, 30, 6434-6445.	9.8	14

#	Article	IF	Citations
19	JigsawGAN: Auxiliary Learning for Solving Jigsaw Puzzles With Generative Adversarial Networks. IEEE Transactions on Image Processing, 2022, 31, 513-524.	9.8	14
20	View-Consistent MeshFlow for Stereoscopic Video Stabilization. IEEE Transactions on Computational Imaging, 2018, 4, 573-584.	4.4	12
21	Quadratic Terms Based Point-to-Surface 3D Representation for Deep Learning of Point Cloud. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2705-2718.	8.3	9
22	ASFlow: Unsupervised Optical Flow Learning With Adaptive Pyramid Sampling. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4282-4295.	8.3	9
23	A pilot trial of Convolution Neural Network for automatic retention-monitoring of capsule endoscopes in the stomach and duodenal bulb. Scientific Reports, 2020, 10, 4103.	3.3	8
24	Removing Rain Streaks by a Linear Model. IEEE Access, 2020, 8, 54802-54815.	4.2	8
25	Automatic Detection of Small Intestinal Hookworms in Capsule Endoscopy Images Based on a Convolutional Neural Network. Gastroenterology Research and Practice, 2021, 2021, 1-8.	1.5	8
26	Meshflow video denoising. , 2017, , .		7
27	GyroFlow: Gyroscope-Guided Unsupervised Optical Flow Learning. , 2021, , .		7
28	Joint bundled camera paths for stereoscopic video stabilization. , 2016, , .		6
29	Notice of Removal Kernel-free video deblurring via synthesis. , 2016, , .		6
30	MMSE-Directed Linear Image Interpolation Based on Nonlocal Geometric Similarity. IEEE Signal Processing Letters, 2017, 24, 1178-1182.	3.6	6
31	Photomontage for Robust HDR Imaging with Hand-Held Cameras. , 2018, , .		6
32	Practical Wide-Angle Portraits Correction with Deep Structured Models. , 2021, , .		6
33	PBR-Net: Imitating Physically Based Rendering Using Deep Neural Network. IEEE Transactions on Image Processing, 2020, 29, 5980-5992.	9.8	4
34	Multi-exposure photomontage with hand-held cameras. Computer Vision and Image Understanding, 2020, 193, 102929.	4.7	4
35	Intrinsic decomposition for stereoscopic images. , 2016, , .		3
36	Subaperture image segmentation for lossless compression. , 2017, , .		3

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37	Endoscopic video deblurring via synthesis. , 2017, , .		3
38	Light-Field Raw Data Synthesis From RGB-D Images: Pushing to the Extreme. IEEE Access, 2020, 8, 33391-33405.	4.2	3
39	DeepOIS: Gyroscope-Guided Deep Optical Image Stabilizer Compensation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2856-2867.	8.3	3
40	Single Exposure High Dynamic Range Image Reconstruction Based on Deep Dual-Branch Network. IEEE Access, 2021, 9, 9610-9624.	4.2	3
41	A new single-view 3D pantograph reconstruction aided by prior CAD model. Measurement: Journal of the International Measurement Confederation, 2021, 181, 109615.	5.0	3
42	Hierarchical Region Proposal Refinement Network for Weakly Supervised Object Detection. , 2021, , .		3
43	Block-based Image Coding by Compression-Constrained Transform Domain Down-Scaling. , 2018, , .		1
44	A 3D Descriptor based on Local Height Image. , 2018, , .		1
45	UPHDR-GAN: Generative Adversarial Network for High Dynamic Range Imaging With Unpaired Data. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7532-7546.	8.3	1
46	Multi-exposure Fusion With JPEG Compression Guidance. , 2018, , .		0
47	Coding Trajectory: Enable Video Coding for Video Denoising. , 2018, , .		0
48	View-Consistent Intrinsic Decomposition for Stereoscopic Images. IEEE Access, 2019, 7, 140355-140366.	4.2	0