

# Jue Wang

## List of Publications by Year in descending order

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113  
papers

6,494  
citations

201674

27  
h-index

175258

52  
g-index

114  
all docs

114  
docs citations

114  
times ranked

3782  
citing authors

#	ARTICLE	IF	CITATIONS
1	Video Vectorization via Bipartite Diffusion Curves Propagation and Optimization. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 3265-3276.	4.4	2
2	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
3	Semi-Supervised Pixel-Level Scene Text Segmentation by Mutually Guided Network. IEEE Transactions on Image Processing, 2021, 30, 8212-8221.	9.8	14
4	OIFlow: Occlusion-Inpainting Optical Flow Estimation by Unsupervised Learning. IEEE Transactions on Image Processing, 2021, 30, 6420-6433.	9.8	23
5	Fully automated registration of 3D CT data to CAD model for surface deviation measurement. Journal of X-Ray Science and Technology, 2020, 27, 1101-1119.	1.0	0
6	Deep Portrait Image Completion and Extrapolation. IEEE Transactions on Image Processing, 2020, 29, 2344-2355.	9.8	29
7	Content-Aware Unsupervised Deep Homography Estimation. Lecture Notes in Computer Science, 2020, , 653-669.	1.3	69
8	Practical Deep Raw Image Denoising on Mobile Devices. Lecture Notes in Computer Science, 2020, , 1-16.	1.3	46
9	Skin Textural Generation via Blue-noise Gabor Filtering based Generative Adversarial Network. , 2020, , .		0
10	GIF2Video: Color Dequantization and Temporal Interpolation of GIF Images. , 2019, , .		9
11	Learning Raw Image Denoising With Bayer Pattern Unification and Bayer Preserving Augmentation. , 2019, , .		38
12	NTIRE 2019 Challenge on Real Image Denoising: Methods and Results. , 2019, , .		45
13	Semi-Supervised Skin Detection by Network With Mutual Guidance. , 2019, , .		16
14	Disentangled Image Matting. , 2019, , .		80
15	GeoNet: Deep Geodesic Networks for Point Cloud Analysis. , 2019, , .		16
16	Deblurring Low-Light Images with Light Streaks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2329-2341.	13.9	17
17	Detecting and Removing Visual Distractors for Video Aesthetic Enhancement. IEEE Transactions on Multimedia, 2018, 20, 1987-1999.	7.2	18
18	Scale-Recurrent Network for Deep Image Deblurring. , 2018, , .		708

#	ARTICLE	IF	CITATIONS
19	DocUNet: Document Image Unwarping via a Stacked U-Net. , 2018, , .		68
20	Live Sketch. , 2018, , .		16
21	PlenoPatch: Patch-Based Plenoptic Image Manipulation. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 1561-1573.	4.4	64
22	ColorSketch: A Drawing Assistant for Generating Color Sketches from Photos. IEEE Computer Graphics and Applications, 2017, 37, 70-81.	1.2	9
23	Time slice video synthesis by robust video alignment. ACM Transactions on Graphics, 2017, 36, 1-10.	7.2	8
24	Deep Video Deblurring for Hand-Held Cameras. , 2017, , .		332
25	Zero-Order Reverse Filtering. , 2017, , .		20
26	Detail-Revealing Deep Video Super-Resolution. , 2017, , .		334
27	Removing Shadows from Images of Documents. Lecture Notes in Computer Science, 2017, , 173-183.	1.3	12
28	Appearance Harmonization for Single Image Shadow Removal. Computer Graphics Forum, 2016, 35, 189-197.	3.0	8
29	Automatic Fence Segmentation in Videos of Dynamic Scenes. , 2016, , .		15
30	Robust background identification for dynamic video editing. ACM Transactions on Graphics, 2016, 35, 1-12.	7.2	22
31	Reâ€Compositable Panoramic Selfie with Robust Multiâ€Frame Segmentation and Stitching. Computer Graphics Forum, 2016, 35, 227-236.	3.0	2
32	Coherent Parametric Contours for Interactive Video Object Segmentation. , 2016, , .		16
33	PanoSwarm. , 2016, , .		4
34	Blur-Kernel Bound Estimation From Pyramid Statistics. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1012-1016.	8.3	24
35	Robust Image and Video Dehazing with Visual Artifact Suppression via Gradient Residual Minimization. Lecture Notes in Computer Science, 2016, , 576-591.	1.3	132
36	Learning High-Order Filters for Efficient Blind Deconvolution of Document Photographs. Lecture Notes in Computer Science, 2016, , 734-749.	1.3	31

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37	Automatic triage for a photo series. ACM Transactions on Graphics, 2016, 35, 1-10.	7.2	35
38	Blind optical aberration correction by exploring geometric and visual priors. , 2015, , .		15
39	Automatic blur-kernel-size estimation for motion deblurring. Visual Computer, 2015, 31, 733-746.	3.5	24
40	Structuring Lecture Videos by Automatic Projection Screen Localization and Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1233-1246.	13.9	22
41	Simultaneous Camera Path Optimization and Distraction Removal for Improving Amateur Video. IEEE Transactions on Image Processing, 2015, 24, 5982-5994.	9.8	26
42	Deblurring Low-Light Images with Light Streaks. , 2014, , .		120
43	Mirror mirror. ACM Transactions on Graphics, 2014, 33, 1-12.	7.2	32
44	EZ-sketching. ACM Transactions on Graphics, 2014, 33, 1-9.	7.2	23
45	PaperLego. , 2014, , .		3
46	Investigating Haze-Relevant Features in a Learning Framework for Image Dehazing. , 2014, , .		407
47	Confidence-driven image co-matting. Computers and Graphics, 2014, 38, 131-139.	2.5	4
48	Automatic Upright Adjustment of Photographs With Robust Camera Calibration. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 833-844.	13.9	32
49	A Data-Driven Approach for Facial Expression Retargeting in Video. IEEE Transactions on Multimedia, 2014, 16, 299-310.	7.2	30
50	Hybrid Image Deblurring by Fusing Edge and Power Spectrum Information. Lecture Notes in Computer Science, 2014, , 79-93.	1.3	11
51	Discriminative Indexing for Probabilistic Image Patch Priors. Lecture Notes in Computer Science, 2014, , 200-214.	1.3	4
52	Good Image Priors for Non-blind Deconvolution. Lecture Notes in Computer Science, 2014, , 231-246.	1.3	29
53	TrackCam. ACM Transactions on Graphics, 2014, 33, 1-11.	7.2	7
54	Edge-based blur kernel estimation using patch priors. , 2013, , .		78

#	ARTICLE	IF	CITATIONS
55	A Video-Based System for Hand-Driven Stop-Motion Animation. IEEE Computer Graphics and Applications, 2013, 33, 70-81.	1.2	2
56	Kinect depth restoration via energy minimization with TV <sup>21</sup> regularization. , 2013, , .		11
57	Unsupervised tumour segmentation in PET using local and global intensity-fitting active surface and alpha matting. Computers in Biology and Medicine, 2013, 43, 1530-1544.	7.0	18
58	Handling Noise in Single Image Deblurring Using Directional Filters. , 2013, , .		147
59	Inverse image editing. ACM Transactions on Graphics, 2013, 32, 1-11.	7.2	18
60	PatchNet. ACM Transactions on Graphics, 2013, 32, 1-12.	7.2	33
61	3D defect segmentation on CT volume data using morphology and resample techniques. Journal of X-Ray Science and Technology, 2013, 21, 545-556.	1.0	3
62	Supervised Semantic Gradient Extraction Using Linear-Time Optimization. , 2013, , .		1
63	A Progressive Tri-level Segmentation Approach for Topology-Change-Aware Video Matting. Computer Graphics Forum, 2013, 32, 245-253.	3.0	6
64	Text Localization in Natural Images Using Stroke Feature Transform and Text Covariance Descriptors. , 2013, , .		215
65	A no-reference metric for evaluating the quality of motion deblurring. ACM Transactions on Graphics, 2013, 32, 1-12.	7.2	63
66	Region-based active surface modelling and alpha matting for unsupervised tumour segmentation in PET. , 2012, , .		4
67	Automatic upright adjustment of photographs. , 2012, , .		6
68	A data-driven approach for facial expression synthesis in video. , 2012, , .		8
69	Facial expression editing in video using a temporally-smooth factorization. , 2012, , .		20
70	Text Image Deblurring Using Text-Specific Properties. Lecture Notes in Computer Science, 2012, , 524-537.	1.3	60
71	Video deblurring for hand-held cameras using patch-based synthesis. ACM Transactions on Graphics, 2012, 31, 1-9.	7.2	112
72	The video mesh: A data structure for image-based three-dimensional video editing. , 2011, , .		4

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73	Subspace video stabilization. ACM Transactions on Graphics, 2011, 30, 1-10.	7.2	233
74	Expression flow for 3D-aware face component transfer. ACM Transactions on Graphics, 2011, 30, 1-10.	7.2	94
75	Expression flow for 3D-aware face component transfer. , 2011, , .		40
76	Modeling and removing spatially-varying optical blur. , 2011, , .		45
77	Handling outliers in non-blind image deconvolution. , 2011, , .		167
78	Cutting Display of Industrial CT Volume Data Based on GPU. Advanced Materials Research, 2011, 271-273, 1096-1102.	0.3	0
79	Pause-and-play. , 2011, , .		106
80	Image Matting with Transductive Inference. Lecture Notes in Computer Science, 2011, , 239-250.	1.3	7
81	Towards Temporally-Coherent Video Matting. Lecture Notes in Computer Science, 2011, , 63-74.	1.3	47
82	Content-aware dynamic timeline for video browsing. , 2010, , .		27
83	Dynamic Color Flow: A Motion-Adaptive Color Model for Object Segmentation in Video. Lecture Notes in Computer Science, 2010, , 617-630.	1.3	27
84	Noise brush. ACM Transactions on Graphics, 2009, 28, 1-10.	7.2	19
85	Video SnapCut. ACM Transactions on Graphics, 2009, 28, 1-11.	7.2	233
86	A perceptually motivated online benchmark for image matting. , 2009, , .		12
87	Noise brush. , 2009, , .		3
88	Creating map-based storyboards for browsing tour videos. , 2008, , .		21
89	Simultaneous Matting and Compositing. , 2007, , .		26
90	Soft scissors. ACM Transactions on Graphics, 2007, 26, 9.	7.2	74

#	ARTICLE	IF	CITATIONS
91	Soft scissors. , 2007, , .		59
92	Discriminative Gaussian Mixtures for Interactive Image Segmentation. , 2007, , .		18
93	A computed tomographic imaging system for experimentation. Proceedings of SPIE, 2007, , .	0.8	0
94	Image and Video Matting: A Survey. Foundations and Trends in Computer Graphics and Vision, 2007, 3, 97-175.	4.5	263
95	Development of system on 3D image visualization and analyzing for industrial computed tomography. , 2007, , .		2
96	Optimized Color Sampling for Robust Matting. , 2007, , .		310
97	The cartoon animation filter. , 2006, , .		28
98	Simultaneous matting and compositing. , 2006, , .		7
99	The cartoon animation filter. ACM Transactions on Graphics, 2006, 25, 1169-1173.	7.2	97
100	The application of volumetric region growing in segmentation for volume data from industrial computed tomography. , 2005, 6041, 112.		0
101	Combining shape and physical modelsfor online cursive handwriting synthesis. International Journal on Document Analysis and Recognition, 2005, 7, 219-227.	3.4	38
102	Interactive video cutout. ACM Transactions on Graphics, 2005, 24, 585-594.	7.2	228
103	Inside interactive video cutout. , 2005, , .		2
104	VISUALIZATION OF VOLUME DATA FROM INDUSTRIAL COMPUTED TOMOGRAPHY FOR INDUSTRIAL APPLICATIONS. , 2005, , .		0
105	Video tooning. ACM Transactions on Graphics, 2004, 23, 574-583.	7.2	141
106	Video tooning. , 2004, , .		64
107	Image and Video Segmentation by Anisotropic Kernel Mean Shift. Lecture Notes in Computer Science, 2004, , 238-249.	1.3	111
108	Tracking deforming aortas in two-photon autofluorescence images and its application on quantitative evaluation of aorta-related drugs. Computerized Medical Imaging and Graphics, 2004, 28, 51-59.	5.8	0

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109	THE PROJECTION OF WAVELETS AND ITS APPLICATION IN EDGE DETECTION OF COMPUTERIZED TOMOGRAPHY. , 2004, , .		0
110	Reconstruction of deforming aortas in two-photon autofluorescence image sequences. Applied Optics, 2003, 42, 834.	2.1	1
111	Learning-based cursive handwriting synthesis. , 0, , .		34
112	Very Low Frame-Rate Video Streaming For Face-to-Face Teleconference. , 0, , .		11
113	Defects Detection for Casting of Railway Freight Car Using X-Ray Radiography. Applied Mechanics and Materials, 0, 80-81, 951-955.	0.2	0