

Truong Nguyen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

635
citations

12
h-index

21
g-index

95
ext. papers

820
ext. citations

4.1
avg, IF

4.2
L-index

#	Paper	IF	Citations
73	A Frame-Level Rate Control Scheme Based on Texture and Nontexture Rate Models for High Efficiency Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 465-479	6.4	64
72	Fast single image fog removal using the adaptive Wiener filter 2013 ,		50
71	Real-time sign language fingerspelling recognition using convolutional neural networks from depth map 2015 ,		45
70	On the Fixed-Point Accuracy Analysis of FFT Algorithms. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 4673-4682	4.8	39
69	Efficient Design of Cosine-Modulated Filter Banks via Convex Optimization. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 966-976	4.8	27
68	On the effectiveness of the Dark Channel Prior for single image dehazing by approximating with minimum volume ellipsoids 2011 ,		26
67	An investigation in dehazing compressed images and video 2010 ,		19
66	Forecasting of Solar Photovoltaic System Power Generation Using Wavelet Decomposition and Bias-Compensated Random Forest 2017 ,		17
65	Efficient Bit Allocation and Rate Control Algorithms for Hierarchical Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2010 , 20, 1210-1223	6.4	16
64	An OFDM-specified lossless FFT architecture. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 1235-1243		14
63	Deep Wide-Activated Residual Network Based Joint Blocking and Color Bleeding Artifacts Reduction for 4:2:0 JPEG-Compressed Images. <i>IEEE Signal Processing Letters</i> , 2019 , 26, 79-83	3.2	13
62	Hand segmentation for hand-object interaction from depth map 2017 ,		12
61	An integrated stereo visual odometry for robotic navigation. <i>Robotics and Autonomous Systems</i> , 2014 , 62, 414-421	3.5	12
60	Efficient stereo-to-multiview synthesis 2011 ,		12
59	Separation of Weak Reflection from a Single Superimposed Image. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 1173-1176	3.2	11
58	Loss-Tolerant Allpass-Based Filter Bank Design Suitable for Integrated Optics. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-12	1.8	11
57	Realistic surface geometry reconstruction using a hand-held RGB-D camera. <i>Machine Vision and Applications</i> , 2016 , 27, 377-385	2.8	10

56	Fast and high quality learning-based super-resolution utilizing TV regularization method 2011 ,		10
55	Joint Vessel Segmentation and Deformable Registration on Multi-Modal Retinal Images Based on Style Transfer 2019 ,		9
54	A Segmentation Based Robust Deep Learning Framework for Multimodal Retinal Image Registration 2020 ,		9
53	Comparing Perceived Quality and Fatigue for Two Methods of Mixed Resolution Stereoscopic Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 418-429	6.4	9
52	Comparison of Two Frame Rate Conversion Schemes for Reducing LCD Motion Blurs. <i>IEEE Signal Processing Letters</i> , 2010 , 17, 783-786	3.2	9
51	Multiview Video Plus Depth Coding With Depth-Based Prediction Mode. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 995-1005	6.4	8
50	An augmented Lagrangian method for video restoration 2011 ,		8
49	Alias-Free Subband Adaptive Filtering With Critical Sampling. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 1894-1904	4.8	8
48	New linear-programming-based filter design. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2005 , 52, 276-281		8
47	A Novel Motion Compensated Frame Interpolation Based on Block-Merging and Residual Energy 2006 ,		8
46	Video super-resolution for mixed resolution stereo 2013 ,		7
45	Depth-Assisted Frame Rate Up-Conversion for Stereoscopic Video. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 423-427	3.2	7
44	A block-based super-resolution for video sequences 2008 ,		7
43	Efficient Large-Scale Filter/Filterbank Design via LMI Characterization of Trigonometric Curves. <i>IEEE Transactions on Signal Processing</i> , 2007 , 55, 4393-4404	4.8	7
42	Accurate and Efficient Video De-Fencing Using Convolutional Neural Networks and Temporal Information 2018 ,		7
41	Frequency-Selective KYP Lemma, IIR Filter, and Filter Bank Design. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 956-965	4.8	6
40	Optimized Analog Filter Designs With Flat Responses by Semidefinite Programming. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 944-955	4.8	6
39	A New Objective Quality Metric for Frame Interpolation Used in Video Compression. <i>IEEE Transactions on Broadcasting</i> , 2008 , 54, 680-11	4.7	6

38	Symmetric Orthogonal Complex-Valued Filter Bank Design by Semidefinite Programming. <i>IEEE Transactions on Signal Processing</i> , 2007 , 55, 4405-4414	4.8	6
37	Motion Vector Processing Based on Residual Energy Information for Motion Compensated Frame Interpolation 2006 ,		6
36	Optimized Analog Flat Filter Design. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 901-906	4.8	5
35	Efficient Inter-View Motion Vector Prediction in Multi-View HEVC. <i>IEEE Transactions on Broadcasting</i> , 2018 , 64, 666-680	4.7	4
34	A Framework for Depth Video Reconstruction From a Subset of Samples and Its Applications. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4873-4887	8.7	4
33	Robust Bayesian method for simultaneous block sparse signal recovery with applications to face recognition 2016 ,		4
32	Multimodal sparse Bayesian dictionary learning applied to multimodal data classification 2017 ,		4
31	Widely Linear Filter Bank Equalizer for Real STBC. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 4544-4548	4.548	4
30	Learning the Kernel Matrix for Superresolution 2006 ,		4
29	Crosstalk modeling in circularly polarized stereoscopic LCDS 2014 ,		3
28	An effective example-based learning method for denoising of medical images corrupted by heavy Gaussian noise and poisson noise 2014 ,		3
27	Apparent sharpness of 3D video when one eye's view is more blurry. <i>I-Perception</i> , 2013 , 4, 456-67	1.2	3
26	Design and analysis of a narrowband filter for optical platform 2011 ,		3
25	Hazy image modeling using color ellipsoids 2011 ,		3
24	A perceptual based contrast enhancement metric using AdaBoost 2012 ,		3
23	Integer FFT with Optimized Coefficient Sets 2007 ,		3
22	Motion Vector Field Manipulation for Complexity Reduction in Scalable Video Coding 2006 ,		3
21	Artificial Intelligence for Automated Overlay of Fundus Camera and Scanning Laser Ophthalmoscope Images. <i>Translational Vision Science and Technology</i> , 2020 , 9, 56	3.3	3

20	Multi-Task Center-Of-Pressure Metrics Estimation from Skeleton Using Graph Convolutional Network 2020 ,		3
19	External short circuit fault diagnosis based on supervised statistical learning 2017 ,		2
18	Adaptive Lagrange Multiplier Selection Using Classification-Maximization and Its Application to Chroma QP Offset Decision. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 783-791	6.4	2
17	Motion-decision based spatiotemporal saliency for video sequences 2011 ,		2
16	A Deconvolution Method for LCD Motion Blur Reduction 2006 ,		2
15	A correlation based detection method for internal short circuit in battery packs 2017 ,		1
14	Long-Range Motion Trajectories Extraction of Articulated Human Using Mesh Evolution. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 507-511	3.2	1
13	Realistic Photonic Filter Design Based on Allpass Substructures With Waveguide Loss Compensation. <i>Journal of Lightwave Technology</i> , 2014 , 32, 1024-1031	4	1
12	Hierarchical depth processing with adaptive search range and fusion 2014 ,		1
11	Robust tracking and mapping with a handheld RGB-D camera 2014 ,		1
10	Depth-based prediction mode for 3D video coding 2013 ,		1
9	Dual domain method for single image dehazing and enhancing 2011 ,		1
8	Robust object detection scheme using feature selection 2010 ,		1
7	Using filter banks to enhance images for fluid lens cameras based on color correlation 2009 ,		1
6	A perceptual metric for blind measurement of blocking artifacts with applications in transform-block-based image and video coding 2008 ,		1
5	A new combination of 1D and 2D filter banks for effective multiresolution image representation 2008 ,		1
4	3D CUBE video coding using phase correlation motion estimation. <i>Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)</i> , 2006 , 89, 32-38		1
3	A New Objective Quality Metric for Frame Interpolation using in Video Compression 2007 ,		1

- 2 Analysis and Efficient Architecture Design for VC-1 Overlap Smoothing and In-Loop Deblocking Filter. *IEEE Transactions on Circuits and Systems for Video Technology*, **2008**, 18, 1786-1796 6.4 ○
- 1 . *IEEE Transactions on Multimedia*, **2021**, 1-1 6.6