

Truong Nguyen

List of Publications by Year in Descending Order

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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	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	
72	A Segmentation Based Robust Deep Learning Framework for Multimodal Retinal Image Registration 2020 ,		9
71	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
70	Multi-Task Center-Of-Pressure Metrics Estimation from Skeleton Using Graph Convolutional Network 2020 ,		3
69	Joint Vessel Segmentation and Deformable Registration on Multi-Modal Retinal Images Based on Style Transfer 2019 ,		9
68	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
67	Efficient Inter-View Motion Vector Prediction in Multi-View HEVC. <i>IEEE Transactions on Broadcasting</i> , 2018 , 64, 666-680	4.7	4
66	Accurate and Efficient Video De-Fencing Using Convolutional Neural Networks and Temporal Information 2018 ,		7
65	Forecasting of Solar Photovoltaic System Power Generation Using Wavelet Decomposition and Bias-Compensated Random Forest 2017 ,		17
64	A correlation based detection method for internal short circuit in battery packs 2017 ,		1
63	External short circuit fault diagnosis based on supervised statistical learning 2017 ,		2
62	Hand segmentation for hand-object interaction from depth map 2017 ,		12
61	Multimodal sparse Bayesian dictionary learning applied to multimodal data classification 2017 ,		4
60	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
59	Robust Bayesian method for simultaneous block sparse signal recovery with applications to face recognition 2016 ,		4
58	Long-Range Motion Trajectories Extraction of Articulated Human Using Mesh Evolution. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 507-511	3.2	1
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	Real-time sign language fingerspelling recognition using convolutional neural networks from depth map 2015 ,		45
55	Realistic Photonic Filter Design Based on Allpass Substructures With Waveguide Loss Compensation. <i>Journal of Lightwave Technology</i> , 2014 , 32, 1024-1031	4	1
54	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
53	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
52	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
51	Hierarchical depth processing with adaptive search range and fusion 2014 ,		1
50	Robust tracking and mapping with a handheld RGB-D camera 2014 ,		1
49	Separation of Weak Reflection from a Single Superimposed Image. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 1173-1176	3.2	11
48	An integrated stereo visual odometry for robotic navigation. <i>Robotics and Autonomous Systems</i> , 2014 , 62, 414-421	3.5	12
47	Loss-Tolerant Allpass-Based Filter Bank Design Suitable for Integrated Optics. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-12	1.8	11
46	Crosstalk modeling in circularly polarized stereoscopic LCDS 2014 ,		3
45	Depth-Assisted Frame Rate Up-Conversion for Stereoscopic Video. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 423-427	3.2	7
44	An effective example-based learning method for denoising of medical images corrupted by heavy Gaussian noise and poisson noise 2014 ,		3
43	Fast single image fog removal using the adaptive Wiener filter 2013 ,		50
42	Video super-resolution for mixed resolution stereo 2013 ,		7
41	Depth-based prediction mode for 3D video coding 2013 ,		1
40	Apparent sharpness of 3D video when one eye's view is more blurry. <i>I-Perception</i> , 2013 , 4, 456-67	1.2	3
39	A perceptual based contrast enhancement metric using AdaBoost 2012 ,		3

38	On the effectiveness of the Dark Channel Prior for single image dehazing by approximating with minimum volume ellipsoids 2011 ,		26
37	Dual domain method for single image dehazing and enhancing 2011 ,		1
36	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
35	An augmented Lagrangian method for video restoration 2011 ,		8
34	Fast and high quality learning-based super-resolution utilizing TV regularization method 2011 ,		10
33	Efficient stereo-to-multiview synthesis 2011 ,		12
32	Motion-decision based spatiotemporal saliency for video sequences 2011 ,		2
31	Design and analysis of a narrowband filter for optical platform 2011 ,		3
30	Hazy image modeling using color ellipsoids 2011 ,		3
29	Robust object detection scheme using feature selection 2010 ,		1
28	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
27	Optimized Analog Flat Filter Design. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 901-906	4.8	5
26	An investigation in dehazing compressed images and video 2010 ,		19
25	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
24	Using filter banks to enhance images for fluid lens cameras based on color correlation 2009 ,		1
23	Frequency-Selective KYP Lemma, IIR Filter, and Filter Bank Design. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 956-965	4.8	6
22	Optimized Analog Filter Designs With Flat Responses by Semidefinite Programming. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 944-955	4.8	6
21	Efficient Design of Cosine-Modulated Filter Banks via Convex Optimization. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 966-976	4.8	27

20	On the Fixed-Point Accuracy Analysis of FFT Algorithms. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 4673-4682	4.8	39
19	Alias-Free Subband Adaptive Filtering With Critical Sampling. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 1894-1904	4.8	8
18	Widely Linear Filter Bank Equalizer for Real STBC. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 4544-4548	4.8	4
17	Analysis and Efficient Architecture Design for VC-1 Overlap Smoothing and In-Loop Deblocking Filter. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 1786-1796	6.4	0
16	A perceptual metric for blind measurement of blocking artifacts with applications in transform-block-based image and video coding 2008 ,		1
15	A new combination of 1D and 2D filter banks for effective multiresolution image representation 2008 ,		1
14	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
13	A block-based super-resolution for video sequences 2008 ,		7
12	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
11	Symmetric Orthogonal Complex-Valued Filter Bank Design by Semidefinite Programming. <i>IEEE Transactions on Signal Processing</i> , 2007 , 55, 4405-4414	4.8	6
10	A New Objective Quality Metric for Frame Interpolation using in Video Compression 2007 ,		1
9	Integer FFT with Optimized Coefficient Sets 2007 ,		3
8	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
7	Motion Vector Processing Based on Residual Energy Information for Motion Compensated Frame Interpolation 2006 ,		6
6	A Deconvolution Method for LCD Motion Blur Reduction 2006 ,		2
5	A Novel Motion Compensated Frame Interpolation Based on Block-Merging and Residual Energy 2006 ,		8
4	Motion Vector Field Manipulation for Complexity Reduction in Scalable Video Coding 2006 ,		3
3	An OFDM-specified lossless FFT architecture. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 1235-1243		14

- 2 Learning the Kernel Matrix for Superresolution **2006**, 4
- 1 New linear-programming-based filter design. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2005**, 52, 276-281 8