Trường Nguyễn.

List of Publications by Year
in descending order

95 papers	**973** citations	759055 **12** h-index
95 all docs	**95** docs citations	**95** times ranked

713332 **21** g-index

830 citing authors

#	Article	IF	Citations
1	A Frame-Level Rate Control Scheme Based on Texture and Nontexture Rate Models for High Efficiency Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 465-479.	5.6	77
2	On the Fixed-Point Accuracy Analysis of FFT Algorithms. IEEE Transactions on Signal Processing, 2008, 56, 4673-4682.	3.2	70
3	Real-time sign language fingerspelling recognition using convolutional neural networks from depth map. , 2015, , .		69
4	Fast single image fog removal using the adaptive Wiener filter. , 2013, , .		66
5	Efficient Design of Cosine-Modulated Filter Banks via Convex Optimization. IEEE Transactions on Signal Processing, 2009, 57, 966-976.	3.2	36
6	On the effectiveness of the Dark Channel Prior for single image dehazing by approximating with minimum volume ellipsoids. , 2011, , .		34
7	Forecasting of Solar Photovoltaic System Power Generation Using Wavelet Decomposition and Bias-Compensated Random Forest. , 2017, , .		29
8	An OFDM-specified lossless FFT architecture. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 1235-1243.	0.1	25
9	Hand segmentation for hand-object interaction from depth map. , 2017, , .		25
10	An investigation in dehazing compressed images and video. , 2010, , .		22
11	Efficient Bit Allocation and Rate Control Algorithms for Hierarchical Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1210-1223.	5.6	19
12	Separation of Weak Reflection from a Single Superimposed Image. IEEE Signal Processing Letters, 2014, 21, 1173-1176.	2.1	19
13	Deep Wide-Activated Residual Network Based Joint Blocking and Color Bleeding Artifacts Reduction for 4:2:0 JPEG-Compressed Images. IEEE Signal Processing Letters, 2019, 26, 79-83.	2.1	19
14	Joint Vessel Segmentation and Deformable Registration on Multi-Modal Retinal Images Based on Style Transfer. , 2019, , .		17
15	Motion Vector Processing Based on Residual Energy Information for Motion Compensated Frame Interpolation. , 2006, , .		16
16	Efficient stereo-to-multiview synthesis. , 2011, , .		16
17	Loss-Tolerant Allpass-Based Filter Bank Design Suitable for Integrated Optics. IEEE Photonics Journal, 2014, 6, 1-12.	1.0	16
18	A Segmentation Based Robust Deep Learning Framework for Multimodal Retinal Image Registration. , 2020, , .		16

#	ARTICLE	IF	CITATIONS
19	Two-Step Registration on Multi-Modal Retinal Images via Deep Neural Networks. IEEE Transactions on Image Processing, 2022, 31, 823-838.	6.0	16
20	Realistic surface geometry reconstruction using a hand-held RGB-D camera. Machine Vision and Applications, 2016, 27, 377-385.	1.7	15
21	A Novel Motion Compensated Frame Interpolation Based on Block-Merging and Residual Energy. , 2006, , .		14
22	An integrated stereo visual odometry for robotic navigation. Robotics and Autonomous Systems, 2014, 62, 414-421.	3.0	14
23	Efficient Large-Scale Filter/Filterbank Design via LMI Characterization of Trigonometric Curves. IEEE Transactions on Signal Processing, 2007, 55, 4393-4404.	3.2	13
24	Alias-Free Subband Adaptive Filtering With Critical Sampling. IEEE Transactions on Signal Processing, 2008, 56, 1894-1904.	3.2	13
25	An augmented Lagrangian method for video restoration. , 2011, , .		13
26	Accurate and Efficient Video De-Fencing Using Convolutional Neural Networks and Temporal Information. , 2018, , .		13
27	Optimized Analog Filter Designs With Flat Responses by Semidefinite Programming. IEEE Transactions on Signal Processing, 2009, 57, 944-955.	3.2	12
28	A block-based super-resolution for video sequences. , 2008, , .		10
29	Comparison of Two Frame Rate Conversion Schemes for Reducing LCD Motion Blurs. IEEE Signal Processing Letters, 2010, 17, 783-786.	2.1	10
30	Fast and high quality learning-based super-resolution utilizing TV regularization method. , 2011, , .		10
31	Multiview Video Plus Depth Coding With Depth-Based Prediction Mode. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 995-1005.	5.6	10
32	Comparing Perceived Quality and Fatigue for Two Methods of Mixed Resolution Stereoscopic Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 418-429.	5.6	10
33	Artificial Intelligence for Automated Overlay of Fundus Camera and Scanning Laser Ophthalmoscope Images. Translational Vision Science and Technology, 2020, 9, 56.	1.1	10
34	New linear-programming-based filter design. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 276-281.	2.3	9
35	Frequency-Selective KYP Lemma, IIR Filter, and Filter Bank Design. IEEE Transactions on Signal Processing, 2009, 57, 956-965.	3.2	9
36	Depth-Assisted Frame Rate Up-Conversion for Stereoscopic Video. IEEE Signal Processing Letters, 2014, 21, 423-427.	2.1	9

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37	Symmetric Orthogonal Complex-Valued Filter Bank Design by Semidefinite Programming. IEEE Transactions on Signal Processing, 2007, 55, 4405-4414.	3.2	8
38	A New Objective Quality Metric for Frame Interpolation Used in Video Compression. IEEE Transactions on Broadcasting, 2008, 54, 680-11.	2.5	8
39	Optimized Analog Flat Filter Design. IEEE Transactions on Signal Processing, 2010, 58, 901-906.	3.2	8
40	Video super-resolution for mixed resolution stereo. , 2013, , .		8
41	A new combination of 1D and 2D filter banks for effective multiresolution image representation. , 2008, , .		7
42	An effective example-based learning method for denoising of medical images corrupted by heavy Gaussian noise and poisson noise. , 2014, , .		7
43	Motion Vector Field Manipulation for Complexity Reduction in Scalable Video Coding. , 2006, , .		6
44	Integer FFT with Optimized Coefficient Sets. , 2007, , .		6
45	A Framework for Depth Video Reconstruction From a Subset of Samples and Its Applications. IEEE Transactions on Image Processing, 2016, 25, 4873-4887.	6.0	6
46	Robust Bayesian method for simultaneous block sparse signal recovery with applications to face recognition. , 2016, , .		6
47	A correlation based detection method for internal short circuit in battery packs. , 2017, , .		6
48	Learning the Kernel Matrix for Superresolution. , 2006, , .		5
49	Adaptive Lagrange Multiplier Selection Using Classification-Maximization and Its Application to Chroma QP Offset Decision. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 783-791.	5.6	5
50	Motion-decision based spatiotemporal saliency for video sequences. , 2011, , .		5
51	Design and analysis of a narrowband filter for optical platform. , 2011, , .		5
52	Multimodal sparse Bayesian dictionary learning applied to multimodal data classification. , 2017, , .		5
53	External short circuit fault diagnosis based on supervised statistical learning. , 2017, , .		5
54	Widely Linear Filter Bank Equalizer for Real STBC. IEEE Transactions on Signal Processing, 2008, 56, 4544-4548.	3.2	4

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55	Hazy image modeling using color ellipsoids. , 2011, , .		4
56	A perceptual based contrast enhancement metric using AdaBoost. , 2012, , .		4
57	Sharp disparity reconstruction using sparse disparity measurement and color information. , 2013, , .		4
58	Apparent Sharpness of 3D Video When One Eye's View is More Blurry. I-Perception, 2013, 4, 456-467.	0.8	4
59	Efficient Inter-View Motion Vector Prediction in Multi-View HEVC. IEEE Transactions on Broadcasting, 2018, 64, 666-680.	2.5	4
60	Multi-Task Center-Of-Pressure Metrics Estimation from Skeleton Using Graph Convolutional Network. , 2020, , .		4
61	Low Complexity Scalable Video Coding. , 2006, , .		3
62	A Deconvolution Method for LCD Motion Blur Reduction. , 2006, , .		3
63	Crosstalk modeling in circularly polarized stereoscopic LCDS. , 2014, , .		3
64	Robust tracking and mapping with a handheld RGB-D camera. , 2014, , .		3
65	Multi-Task Center-of-Pressure Metrics Estimation With Graph Convolutional Network. IEEE Transactions on Multimedia, 2022, 24, 2018-2033.	5.2	3
66	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.	5.6	2
67	Realistic Photonic Filter Design Based on Allpass Substructures With Waveguide Loss Compensation. Journal of Lightwave Technology, 2014, 32, 1024-1031.	2.7	2
68	A parallel SIMD implementation of single image defogging. , 2015, , .		2
69	Depth estimation from focus and disparity. , 2016, , .		2
70	DEEP JOINT DEMOSAICING AND SUPER RESOLUTION ON HIGH RESOLUTION BAYER SENSOR DATA. , 2018, , .		2
71	3D CUBE video coding using phase correlation motion estimation. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai) Tj ETQq1 1 0.784314 rgBT /Overlock 10		1
72	A New Objective Quality Metric for Frame Interpolation using in Video Compression. , 2007, , .		1

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73	Maximum Likelihood Rate Estimation: With Applications in Image and Video Compression. Proceedings of the Data Compression Conference, 2008, , .	0.0	1
74	A perceptual metric for blind measurement of blocking artifacts with applications in transform-block-based image and video coding. , 2008, , .		1
75	Using filter banks to enhance images for fluid lens cameras based on color correlation. , 2009, , .		1
76	Robust object detection scheme using feature selection. , 2010, , .		1
77	Optimal spatial-temporal weight prediction for inter-frame coding of H.264/AVC video sequences. , 2010, , .		1
78	Dual domain method for single image dehazing and enhancing. , 2011, , .		1
79	Combining generic and class-specific codebooks for object categorization and detection. , 2011, , .		1
80	Depth-based prediction mode for 3D video coding. , 2013, , .		1
81	Hierarchical depth processing with adaptive search range and fusion. , 2014, , .		1
82	Spatio-temporal depth data reconstruction from a subset of samples. , 2015, , .		1
83	Long-Range Motion Trajectories Extraction of Articulated Human Using Mesh Evolution. IEEE Signal Processing Letters, 2016, 23, 507-511.	2.1	1
84	Filter-Bank Based Super-Resolution for Rotated and Blurry Undersampled Images. , 2006, , .		0
85	Architecture and Performance Analysis of Lossless FFT in OFDM Systems. , 0, , .		0
86	Compression Artifact Reduction using Support Vector Regression. , 2006, , .		0
87	Rate Estimation, Using Forward Adaptive Quantization: H.264 Fast Intra Mode Selection at High Data Rates. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0
88	Rate estimation via maximum likelihood parameter estimation: Application in fast mode-selection within the H.264/AVC. , 2008, , .		0
89	PPIQ: A probabilistic framework for Image Quality Assessment. , 2009, , .		0
90	Stochastic Model on the Post-Fabrication Error for a Bragg Reflectors Based Photonic Allpass Filter. , 2011, , .		0

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91	Design of approximated DCT with large size and its application to image matching. , 2014, , .		0
92	Accurate Lithium-ion battery parameter estimation with continuous-time system identification methods. , 2016, , .		0
93	Improvements in parallel SIMD implementation of single image defogging. , 2016, , .		0
94	Targeted video denoising for decompressed videos. , 2017, , .		0
95	Photonic allpass filter: A versatile building block for all-optical signal processing. , 2017, , .		0