

Nick Kingsbury

List of Publications by Year in descending order

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28
papers

2,381
citations

840776

11
h-index

1199594

12
g-index

29
all docs

29
docs citations

29
times ranked

1397
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex Wavelets for Shift Invariant Analysis and Filtering of Signals. Applied and Computational Harmonic Analysis, 2001, 10, 234-253.	2.2	1,374
2	Image processing with complex wavelets. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 2543-2560.	3.4	622
3	Image Denoising Using Derotated Complex Wavelet Coefficients. IEEE Transactions on Image Processing, 2008, 17, 1500-1511.	9.8	52
4	Wavelet restoration of medical pulse-echo ultrasound images in an EM framework. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 550-568.	3.0	49
5	Estimation of Average Speed of Sound Using Deconvolution of Medical Ultrasound Data. Ultrasound in Medicine and Biology, 2010, 36, 623-636.	1.5	45
6	Multiscale Keypoint Detection using the Dual-Tree Complex Wavelet Transform. , 2006, , .		37
7	Decadal persistence of cycles in lava lake motion at Erebus volcano, Antarctica. Earth and Planetary Science Letters, 2014, 395, 1-12.	4.4	29
8	Sensitivity to point-spread function parameters in medical ultrasound image deconvolution. Ultrasonics, 2009, 49, 344-357.	3.9	28
9	Image Modeling Using Interscale Phase Properties of Complex Wavelet Coefficients. IEEE Transactions on Image Processing, 2008, 17, 1491-1499.	9.8	24
10	Dual-Tree wavelet scattering network with parametric log transformation for object classification. , 2017, , .		18
11	Estimation of speed of sound in dual-layered media using medical ultrasound image deconvolution. Ultrasonics, 2010, 50, 716-725.	3.9	17
12	Variational Bayesian image restoration with group-sparse modeling of wavelet coefficients. , 2015, 47, 157-168.		15
13	Wavelets meet Burgulence: CVS-filtered Burgers equation. Physica D: Nonlinear Phenomena, 2008, 237, 2151-2157.	2.8	11
14	Efficient Convolutional Network Learning Using Parametric Log Based Dual-Tree Wavelet ScatterNet. , 2017, , .		10
15	Visualizing and improving scattering networks. , 2017, , .		9
16	Scatternet hybrid deep learning (SHDL) network for object classification. , 2017, , .		6
17	Estimation of the fundamental matrix based on complex wavelets. , 2010, , .		5
18	FAST L0-based sparse signal recovery. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
19	Deconvolution and elastography based on three-dimensional ultrasound. , 2008, , .		2
20	Phase Invariant Keypoint Detection. , 2007, , .		1
21	Video Tracking Using Dual-Tree Wavelet Polar Matching and Rao-Blackwellised Particle Filter. Eurasip Journal on Advances in Signal Processing, 2010, 2009, .	1.7	1
22	Enticing general engineering undergrads into signal processing with Photo-Editing and image search. , 2011, , .		1
23	Image deconvolution using tree-structured Bayesian group sparse modeling. , 2014, , .		1
24	Optimality in the design of overcomplete decompositions. , 2009, , .		0
25	Fast approximate L0-norm deconvolution using structured wavelet domain priors. , 2014, , .		0
26	Markov-tree Bayesian group-sparse modeling with wavelets. , 2016, , .		0
27	Generative Scatternet Hybrid Deep Learning (G-Shdl) Network with Structural Priors for Semantic Image Segmentation. , 2018, , .		0
28	Least-squares migration using complex wavelets. , 2004, , .		0