Thomas Arildsen

List of Publications by Year
in descending order

25 papers	194 citations	6 h-index	9 g-index
30 all docs	30 docs citations	30 times ranked	229 citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable computational science: the ReScience initiative. PeerJ Computer Science, 2017, 3, e142.	2.7	86
2	Structure assisted compressed sensing reconstruction of undersampled AFM images. Ultramicroscopy, 2017, 172, 1-9.	0.8	25
3	Reconstruction Algorithms in Undersampled AFM Imaging. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 31-46.	7.3	22
4	Compressed sensing with linear correlation between signal and measurement noise. Signal Processing, 2014, 98, 275-283.	2.1	15
5	Cross-Layer Example for Multimedia Services over Bluetooth. , 2007, , 363-371.		10
6	Magni: A Python Package for Compressive Sampling and Reconstruction of Atomic Force Microscopy Images. Journal of Open Research Software, 2014, 2, .	2.7	8
7	On Predictive Coding for Erasure Channels Using a Kalman Framework. IEEE Transactions on Signal Processing, 2009, 57, 4456-4466.	3.2	7
8	Performance comparison of reconstruction algorithms in discrete blind multi-coset sampling. , 2012, , .		4
9	WLCp2-09: Novel IP Header Compression Technique for Wireless Technologies with Fixed Link Layer Packet Types. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
10	Compressed sensing-based direct conversion receiver. , 2012, , .		3
11	Surpassing the theoretical 1-norm phase transition in compressive sensing by tuning the smoothed l0 algorithm. , 2013, , .		2
12	Storing Reproducible Results from Computational Experiments using Scientific Python Packages. , 2016, , .		2
13	Applied Scientific Computing. Texts in Computer Science, 2018, , .	0.5	2
14	Frequency-selective signal sensing with sub-Nyquist uniform sampling scheme. , 2015, , .		1
15	Generation and Analysis of Constrained Random Sampling Patterns. Circuits, Systems, and Signal Processing, 2016, 35, 3619-3643.	1.2	1
16	Orthonormal, moment preserving boundary wavelet scaling functions in Python. SN Applied Sciences, 2020, 2, 1.	1.5	1
17	Cross-Layer Protocol Design for Wireless Communication. , 2007, , 343-362.		1
18	Fixed-Lag Smoothing for Low-Delay Predictive Coding with Noise Shaping for Lossy Networks. , 2010, , .		0

#	Article	IF	Citations
19	Extended reconstruction approaches for saturation measurements using reserved quantization indices. , 2012, , .		0
20	Downsampling of DFT precoded signals for the AWGN channel. , 2012, , .		0
21	Compressed sensing based direct conversion receiver with interference reducing sampling strategy. , 2014, , .		0
22	Motivation and Background. Texts in Computer Science, 2018, , 1-13.	0.5	0
23	Numerical Calculus. Texts in Computer Science, 2018, , 35-80.	0.5	0
24	Iterative Solution of Nonlinear Equations. Texts in Computer Science, 2018, , 145-188.	0.5	0
25	Qtopia Greenphone. , 2007, , 159-174.		0