

Zai Yang

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.

30
papers

1,687
citations

14
h-index

37
g-index

37
ext. papers

2,230
ext. citations

3.8
avg, IF

5.45
L-index

#	Paper	IF	Citations
30	On Parameter Identifiability of Diversity-Smoothing-Based MIMO Radar. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	14
29	Rank of a Hadamard product. <i>Linear Algebra and Its Applications</i> , 2020 , 591, 87-98	0.9	2
28	Source Resolvability of Spatial-Smoothing-Based Subspace Methods: A Hadamard Product Perspective. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 2543-2553	4.8	12
27	On the Sample Complexity of Multichannel Frequency Estimation via Convex Optimization. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 2302-2315	2.8	12
26	Fast convex optimization method for frequency estimation with prior knowledge in all dimensions. <i>Signal Processing</i> , 2018 , 142, 271-280	4.4	5
25	Sparse methods for direction-of-arrival estimation 2018 , 509-581		46
24	Frequency-selective Vandermonde decomposition of Toeplitz matrices with applications. <i>Signal Processing</i> , 2018 , 142, 157-167	4.4	13
23	Direction-of-Arrival Estimation Using Atomic Norm Methods: Affects of Multiple Snapshots and Coherent Sources 2018 ,		2
22	On Gridless Sparse Methods for Multi-snapshot Direction of Arrival Estimation. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 3370-3384	2.2	9
21	A weighted atomic norm approach to spectral super-resolution with probabilistic priors 2016 ,		5
20	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 3685-3701	2.8	119
19	Exact Joint Sparse Frequency Recovery via Optimization Methods. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 5145-5157	4.8	111
18	2016 ,		5
17	Enhancing Sparsity and Resolution via Reweighted Atomic Norm Minimization. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 995-1006	4.8	113
16	Spectral compressed sensing of real spikes 2016 ,		1
15	Achieving high resolution for super-resolution via reweighted atomic norm minimization 2015 ,		8
14	TDOA-Based Source Localization With Distance-Dependent Noises. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 468-480	9.6	107

13	2015,			3
12	On Gridless Sparse Methods for Line Spectral Estimation From Complete and Incomplete Data. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 3139-3153	4.8		171
11	Analysis of TOA localization with heteroscedastic noises 2014,			13
10	Continuous compressed sensing with a single or multiple measurement vectors 2014,			21
9	A Discretization-Free Sparse and Parametric Approach for Linear Array Signal Processing. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 4959-4973	4.8		104
8	Off-Grid Direction of Arrival Estimation Using Sparse Bayesian Inference. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 38-43	4.8		442
7	Asymptotic Analysis of Complex LASSO via Complex Approximate Message Passing (CAMP). <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 4290-4308	2.8		115
6	Variational Bayesian Algorithm for Quantized Compressed Sensing. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 2815-2824	4.8		58
5	Sparse MRI for motion correction 2013,			10
4	On Phase Transition of Compressed Sensing in the Complex Domain. <i>IEEE Signal Processing Letters</i> , 2012 , 19, 47-50	3.2		17
3	Robustly Stable Signal Recovery in Compressed Sensing With Structured Matrix Perturbation. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 4658-4671	4.8		117
2	Orthonormal Expansion ℓ_1 -Minimization Algorithms for Compressed Sensing. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 6285-6290	4.8		23
1	Sparsity-undersampling tradeoff of compressed sensing in the complex domain 2011,			5