

# Zai Yang

## List of Publications by Citations

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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	Off-Grid Direction of Arrival Estimation Using Sparse Bayesian Inference. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 38-43	4.8	442
29	On Gridless Sparse Methods for Line Spectral Estimation From Complete and Incomplete Data. <i>IEEE Transactions on Signal Processing</i> , <b>2015</b> , 63, 3139-3153	4.8	171
28	. <i>IEEE Transactions on Information Theory</i> , <b>2016</b> , 62, 3685-3701	2.8	119
27	Robustly Stable Signal Recovery in Compressed Sensing With Structured Matrix Perturbation. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 4658-4671	4.8	117
26	Asymptotic Analysis of Complex LASSO via Complex Approximate Message Passing (CAMP). <i>IEEE Transactions on Information Theory</i> , <b>2013</b> , 59, 4290-4308	2.8	115
25	Enhancing Sparsity and Resolution via Reweighted Atomic Norm Minimization. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 995-1006	4.8	113
24	Exact Joint Sparse Frequency Recovery via Optimization Methods. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 5145-5157	4.8	111
23	TDOA-Based Source Localization With Distance-Dependent Noises. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 468-480	9.6	107
22	A Discretization-Free Sparse and Parametric Approach for Linear Array Signal Processing. <i>IEEE Transactions on Signal Processing</i> , <b>2014</b> , 62, 4959-4973	4.8	104
21	Variational Bayesian Algorithm for Quantized Compressed Sensing. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 2815-2824	4.8	58
20	Sparse methods for direction-of-arrival estimation <b>2018</b> , 509-581		46
19	Orthonormal Expansion $\ell_1$ -Minimization Algorithms for Compressed Sensing. <i>IEEE Transactions on Signal Processing</i> , <b>2011</b> , 59, 6285-6290	4.8	23
18	Continuous compressed sensing with a single or multiple measurement vectors <b>2014</b> ,		21
17	On Phase Transition of Compressed Sensing in the Complex Domain. <i>IEEE Signal Processing Letters</i> , <b>2012</b> , 19, 47-50	3.2	17
16	On Parameter Identifiability of Diversity-Smoothing-Based MIMO Radar. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2021</b> , 1-1	3.7	14
15	Analysis of TOA localization with heteroscedastic noises <b>2014</b> ,		13
14	Frequency-selective Vandermonde decomposition of Toeplitz matrices with applications. <i>Signal Processing</i> , <b>2018</b> , 142, 157-167	4.4	13

13	Source Resolvability of Spatial-Smoothing-Based Subspace Methods: A Hadamard Product Perspective. <i>IEEE Transactions on Signal Processing</i> , <b>2019</b> , 67, 2543-2553	4.8	12
12	On the Sample Complexity of Multichannel Frequency Estimation via Convex Optimization. <i>IEEE Transactions on Information Theory</i> , <b>2019</b> , 65, 2302-2315	2.8	12
11	Sparse MRI for motion correction <b>2013</b> ,		10
10	On Gridless Sparse Methods for Multi-snapshot Direction of Arrival Estimation. <i>Circuits, Systems, and Signal Processing</i> , <b>2017</b> , 36, 3370-3384	2.2	9
9	Achieving high resolution for super-resolution via reweighted atomic norm minimization <b>2015</b> ,		8
8	Fast convex optimization method for frequency estimation with prior knowledge in all dimensions. <i>Signal Processing</i> , <b>2018</b> , 142, 271-280	4.4	5
7	A weighted atomic norm approach to spectral super-resolution with probabilistic priors <b>2016</b> ,		5
6	<b>2016</b> ,		5
5	Sparsity-undersampling tradeoff of compressed sensing in the complex domain <b>2011</b> ,		5
4	<b>2015</b> ,		3
3	Rank of a Hadamard product. <i>Linear Algebra and Its Applications</i> , <b>2020</b> , 591, 87-98	0.9	2
2	Direction-of-Arrival Estimation Using Atomic Norm Methods: Affects of Multiple Snapshots and Coherent Sources <b>2018</b> ,		2
1	Spectral compressed sensing of real spikes <b>2016</b> ,		1