

# Anastasia Lavrenko

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

162  
citations

1937685

4  
h-index

1720034

7  
g-index

25  
all docs

25  
docs citations

25  
times ranked

165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and analysis of compressive antenna arrays for direction of arrival estimation. Signal Processing, 2017, 138, 35-47.	3.7	39
2	Design and Evaluation of a Compact Harmonic Transponder for Insect Tracking. IEEE Microwave and Wireless Components Letters, 2020, 30, 445-448.	3.2	29
3	Self-organized common control channel design for Cognitive Radio Ad Hoc Networks. , 2013, , .		12
4	On the SNR Variability in Noisy Compressed Sensing. IEEE Signal Processing Letters, 2017, 24, 1148-1152.	3.6	12
5	Compact Low-cost FMCW Harmonic Radar for Short Range Insect Tracking. , 2020, , .		12
6	Parasitic Harmonic Cancellation for Reliable Tag Detection with Pulsed Harmonic Radar. , 2019, , .		9
7	Sparsity order estimation for sub-Nyquist sampling and recovery of sparse multiband signals. , 2015, , .		8
8	Two-region model for harmonic radar transponders. Electronics Letters, 2020, 56, 835-838.	1.0	5
9	Cognitive Scout Node for Communication in Disaster Scenarios. Journal of Computer Networks and Communications, 2012, 2012, 1-11.	1.6	4
10	Sparsity order estimation for single snapshot compressed sensing. , 2014, , .		4
11	Detection of time-varying support via rank evolution approach for effective joint sparse recovery. , 2015, , .		4
12	Adaptive measurement matrix design for compressed DoA estimation with sensor arrays. , 2015, , .		3
13	Sparse framework for hybrid TDoA/DoA multiple emitter localization. , 2017, , .		3
14	On the Use of Additional Transmitters for Increasing Detection Range in Harmonic Radar. , 2019, , .		3
15	Harmonic Radar With Adaptively Phase-Coherent Auxiliary Transmitters. IEEE Transactions on Signal Processing, 2022, 70, 1788-1802.	5.3	3
16	Performance Evaluation of Energy Detection for Correlated Random Signals. , 2013, , .		2
17	On the sensing matrix performance for support recovery of noisy sparse signals. , 2014, , .		2
18	Spatially resolved sub-Nyquist sensing of multiband signals with arbitrary antenna arrays. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Compressive cyclostationary spectrum sensing with a constant false alarm rate. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	2
20	Compressive energy detection for blind coarse wideband sensing: Comparative performance study. , 2015, , .		1
21	On the earth mover's distance as a performance metric for sparse support recovery. , 2016, , .		1
22	Sensing Matrix Sensitivity to Random Gaussian Perturbations in Compressed Sensing. , 2018, , .		1
23	Evaluation of an Off-Centre Fed Dipole Antenna in Passive Harmonic Radar Tags. , 2020, , .		1
24	Interference detection in centralized cooperative spectrum sensing from sub-Nyquist samples. , 2016, , .		0
25	Multiband TDOA estimation from sub-Nyquist samples with distributed wideband sensing nodes. , 2017, , .		0