Feng Xi

List of Publications by Year
in descending order

52 papers	478 citations	686830 13 h-index	752256 20 g-index
52 all docs	52 docs citations	52 times ranked	345 citing authors

#	Article	IF	Citations
1	Gridless Parameter Estimation for One-Bit MIMO Radar With Time-Varying Thresholds. IEEE Transactions on Signal Processing, 2020, 68, 1048-1063.	3.2	39
2	Quadrature Compressive Sampling for Radar Signals. IEEE Transactions on Signal Processing, 2014, 62, 2787-2802.	3.2	36
3	Pulse-doppler signal processing with quadrature compressive sampling. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1217-1230.	2.6	32
4	Chaotic analogue–to–information conversion with chaotic state modulation. IET Signal Processing, 2014, 8, 373-380.	0.9	27
5	Adaptive fast consensus algorithm for distributed sensor fusion. Signal Processing, 2010, 90, 1693-1699.	2.1	26
6	On the Mutual Interference Between Spaceborne SARs: Modeling, Characterization, and Mitigation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8470-8485.	2.7	26
7	Noncontact Vital Sign Detection based on Stepwise Atomic Norm Minimization. IEEE Signal Processing Letters, 2015, 22, 2479-2483.	2.1	23
8	Joint Angle and Doppler Frequency Estimation for MIMO Radar with One-Bit Sampling: A Maximum Likelihood-Based Method. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4734-4748.	2.6	21
9	A Dictionary-Based SAR RFI Suppression Method via Robust PCA and Chirp Scaling Algorithm. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1229-1233.	1.4	18
10	A blind stopping condition for orthogonal matching pursuit with applications to compressive sensing radar. Signal Processing, 2019, 165, 331-342.	2.1	15
11	Finger-Vein Image Enhancement Based on Pulse Coupled Neural Network. IEEE Access, 2019, 7, 57226-57237.	2.6	15
12	Super-resolution spectral estimation in short-time non-contact vital sign measurement. Review of Scientific Instruments, 2015, 86, 044708.	0.6	14
13	Interferometric Phase Retrieval for Multimode InSAR via Sparse Recovery. IEEE Transactions on Geoscience and Remote Sensing, 2020, , 1-15.	2.7	14
14	A general sequential delay-Doppler estimation scheme for sub-Nyquist pulse-Doppler radar. Signal Processing, 2017, 135, 210-217.	2.1	13
15	Accurate DC offset calibration of Doppler radar via non–convex optimisation. Electronics Letters, 2015, 51, 1282-1284.	0.5	11
16	Gridless quadrature compressive sampling with interpolated array technique. Signal Processing, 2017, 133, 1-12.	2.1	11
17	Quadrature compressive sampling for radar echo signals. , 2011, , .		10
18	Quadrature Compressive Sampling for Multiband Radar Echo Signals. IEEE Access, 2017, 5, 19742-19760.	2.6	9

#	Article	IF	Citations
19	Super-Resolution Pulse-Doppler Radar Sensing via One-Bit Sampling. , 2018, , .		9
20	BiLiMO: Bit-Limited MIMO Radar via Task-Based Quantization. IEEE Transactions on Signal Processing, 2021, 69, 6267-6282.	3.2	9
21	SAR RFI Suppression for Extended Scene Using Interferometric Data via Joint Low-Rank and Sparse Optimization. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1976-1980.	1.4	9
22	A general and yet efficient scheme for sub-Nyquist radar processing. Signal Processing, 2018, 142, 206-211.	2.1	8
23	Non-Common Band SAR Interferometry Via Compressive Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4436-4453.	2.7	8
24	A COMPRESSED SENSING FRAMEWORK OF FREQUENCY-SPARSE SIGNALS THROUGH CHAOTIC SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250151.	0.7	7
25	Iterated graph cut method for automatic and accurate segmentation of finger-vein images. Applied Intelligence, 2021, 51, 673-689.	3.3	7
26	A Low-Complexity MIMO Dual Function Radar Communication System via One-Bit Sampling. , 2021, , .		7
27	Sub-Nyquist SAR via Quadrature Compressive Sampling with Independent Measurements. Remote Sensing, 2019, 11, 472.	1.8	6
28	A sparse representation denoising algorithm for finger-vein image based on dictionary learning. Multimedia Tools and Applications, 2021, 80, 15135-15159.	2.6	6
29	Quadrature compressive sampling for radar signals: Output noise and robust reconstruction. , 2014, , .		4
30	Segment-sliding reconstruction of pulsed radar echoes with sub-Nyquist sampling. Science China Information Sciences, 2016, 59, 1.	2.7	4
31	Super-resolution delay-Doppler estimation for sub-Nyquist radar via atomic norm minimization. , 2017, , .		4
32	Block sparse representation and suppression of narrow-band interference signals for quadrature compressive sampling radar. Signal Processing, 2018, 150, 135-144.	2.1	4
33	Sub-Nyquist sampling with independent measurements. Signal Processing, 2020, 170, 107435.	2.1	4
34	Super-Resolution DOA Estimation Using Dynamic Metasurface Antenna. , 2020, , .		4
35	Small World Topology-Aware Geographic Routing in Wireless Sensor Networks. , 2009, , .		3
36	Cramer-Rao bounds for the joint delay-Doppler estimation of compressive sampling pulse-Doppler radar. Journal of Systems Engineering and Electronics, 2018, 29, 58-66.	1.1	3

#	ARTICLE	IF	CITATIONS
37	Target Localization for FDA-MIMO Radar with Random Frequency Increment via Atomic Norm Minimization. , 2019, , .		3
38	CHAOTIC ANALOG-TO-INFORMATION CONVERSION: PRINCIPLE AND RECONSTRUCTABILITY WITH PARAMETER IDENTIFIABILITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350198.	0.7	2
39	Radar Interferometry using Two Images with Different Resolutions. , 2019, , .		2
40	Modelling and Prediction of Cyclostationary Chaotic Time Series Using Vector Autoregressive Models. , 2006, , .		1
41	SUPREME LOCAL LYAPUNOV EXPONENTS AND CHAOTIC IMPULSIVE SYNCHRONIZATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350169.	0.7	1
42	Quadrature compressive sampling of multiband radar signals at sub-Landau rate. , 2015, , .		1
43	Quadrature Compressive Sampling SAR Imaging. , 2018, , .		1
44	Structure-Based Sensing Matrix Optimization for Extended Target Ranging. , 2020, , .		1
45	Modelling and prediction of cyclostationary chaotic time series using periodic autoregressive models. , 0, , .		0
46	Adaptive distributed Estimation Fusion algorithm based on the Consensus Averaging algorithm. , 2009, , .		0
47	Comment on â€œModified impulsive synchronization of hyperchaotic systemsâ€. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 219.	1.7	0
48	A pulse-Doppler processing scheme for quadrature compressive sampling radar. , 2014, , .		0
49	Anti-jamming target detection of pulsed-type radars in QuadCS domain. , 2015, , .		0
50	A segment-sliding reconstruction scheme for pulsed radar echoes with sub-Nyquist sampling. , 2016, , .		0
51	Hybrid Analog-Digital MIMO Radar Receivers With Bit-Limited ADCs. , 2021, , .		0
52	Chaotic Analog-to-information Conversion: Sparse Signal Reconstruction with Multiple Shooting Method. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2014, 35, 608-613.	0.1	0