Feng Xi

List of Publications by Year
in descending order

52	478	687363	752698
papers	citations	13	20
		h-index	g-index
52	52	52	345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Dictionary-Based SAR RFI Suppression Method via Robust PCA and Chirp Scaling Algorithm. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1229-1233.	3.1	18
2	Iterated graph cut method for automatic and accurate segmentation of finger-vein images. Applied Intelligence, 2021, 51, 673-689.	5.3	7
3	BiLiMO: Bit-Limited MIMO Radar via Task-Based Quantization. IEEE Transactions on Signal Processing, 2021, 69, 6267-6282.	5.3	9
4	A sparse representation denoising algorithm for finger-vein image based on dictionary learning. Multimedia Tools and Applications, 2021, 80, 15135-15159.	3.9	6
5	Hybrid Analog-Digital MIMO Radar Receivers With Bit-Limited ADCs. , 2021, , .		0
6	A Low-Complexity MIMO Dual Function Radar Communication System via One-Bit Sampling. , 2021, , .		7
7	On the Mutual Interference Between Spaceborne SARs: Modeling, Characterization, and Mitigation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8470-8485.	6.3	26
8	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.	3.1	9
9	Sub-Nyquist sampling with independent measurements. Signal Processing, 2020, 170, 107435.	3.7	4
10	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.	4.7	21
11	Super-Resolution DOA Estimation Using Dynamic Metasurface Antenna. , 2020, , .		4
12	Structure-Based Sensing Matrix Optimization for Extended Target Ranging. , 2020, , .		1
13	Interferometric Phase Retrieval for Multimode InSAR via Sparse Recovery. IEEE Transactions on Geoscience and Remote Sensing, 2020, , 1-15.	6.3	14
14	Gridless Parameter Estimation for One-Bit MIMO Radar With Time-Varying Thresholds. IEEE Transactions on Signal Processing, 2020, 68, 1048-1063.	5.3	39
15	Non-Common Band SAR Interferometry Via Compressive Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4436-4453.	6.3	8
16	A blind stopping condition for orthogonal matching pursuit with applications to compressive sensing radar. Signal Processing, 2019, 165, 331-342.	3.7	15
17	Radar Interferometry using Two Images with Different Resolutions. , 2019, , .		2
18	Target Localization for FDA-MIMO Radar with Random Frequency Increment via Atomic Norm Minimization. , 2019, , .		3

#	Article	IF	Citations
19	Finger-Vein Image Enhancement Based on Pulse Coupled Neural Network. IEEE Access, 2019, 7, 57226-57237.	4.2	15
20	Sub-Nyquist SAR via Quadrature Compressive Sampling with Independent Measurements. Remote Sensing, 2019, 11, 472.	4.0	6
21	Block sparse representation and suppression of narrow-band interference signals for quadrature compressive sampling radar. Signal Processing, 2018, 150, 135-144.	3.7	4
22	A general and yet efficient scheme for sub-Nyquist radar processing. Signal Processing, 2018, 142, 206-211.	3.7	8
23	Super-Resolution Pulse-Doppler Radar Sensing via One-Bit Sampling. , 2018, , .		9
24	Quadrature Compressive Sampling SAR Imaging. , 2018, , .		1
25	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.	2.2	3
26	A general sequential delay-Doppler estimation scheme for sub-Nyquist pulse-Doppler radar. Signal Processing, 2017, 135, 210-217.	3.7	13
27	Super-resolution delay-Doppler estimation for sub-Nyquist radar via atomic norm minimization. , 2017, , .		4
28	Gridless quadrature compressive sampling with interpolated array technique. Signal Processing, 2017, 133, 1-12.	3.7	11
29	Quadrature Compressive Sampling for Multiband Radar Echo Signals. IEEE Access, 2017, 5, 19742-19760.	4.2	9
30	Segment-sliding reconstruction of pulsed radar echoes with sub-Nyquist sampling. Science China Information Sciences, 2016, 59, 1.	4.3	4
31	A segment-sliding reconstruction scheme for pulsed radar echoes with sub-Nyquist sampling. , 2016, , .		0
32	Accurate DC offset calibration of Doppler radar via nonâ€convex optimisation. Electronics Letters, 2015, 51, 1282-1284.	1.0	11
33	Noncontact Vital Sign Detection based on Stepwise Atomic Norm Minimization. IEEE Signal Processing Letters, 2015, 22, 2479-2483.	3.6	23
34	Pulse-doppler signal processing with quadrature compressive sampling. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1217-1230.	4.7	32
35	Super-resolution spectral estimation in short-time non-contact vital sign measurement. Review of Scientific Instruments, 2015, 86, 044708.	1.3	14
36	Anti-jamming target detection of pulsed-type radars in QuadCS domain. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Quadrature compressive sampling of multiband radar signals at sub-Landau rate. , 2015, , .		1
38	Quadrature Compressive Sampling for Radar Signals. IEEE Transactions on Signal Processing, 2014, 62, 2787-2802.	5.3	36
39	A pulse-Doppler processing scheme for quadrature compressive sampling radar. , 2014, , .		0
40	Chaotic analogue–to–information conversion with chaotic state modulation. IET Signal Processing, 2014, 8, 373-380.	1.5	27
41	Quadrature compressive sampling for radar signals: Output noise and robust reconstruction. , 2014, , .		4
42	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
43	Comment on "Modified impulsive synchronization of hyperchaotic systems" Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 219.	3.3	0
44	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.	1.7	2
45	SUPREME LOCAL LYAPUNOV EXPONENTS AND CHAOTIC IMPULSIVE SYNCHRONIZATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350169.	1.7	1
46	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.	1.7	7
47	Quadrature compressive sampling for radar echo signals. , 2011, , .		10
48	Adaptive fast consensus algorithm for distributed sensor fusion. Signal Processing, 2010, 90, 1693-1699.	3.7	26
49	Adaptive distributed Estimation Fusion algorithm based on the Consensus Averaging algorithm. , 2009, , .		0
50	Small World Topology-Aware Geographic Routing in Wireless Sensor Networks. , 2009, , .		3
51	Modelling and Prediction of Cyclostationary Chaotic Time Series Using Vector Autoregressive Models. , 2006, , .		1
52	Modelling and prediction of cyclostationary chaotic time series using periodic autoregressive models. , 0, , .		0