

# Shengyao Chen

## List of Publications by Year in descending order

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41  
papers

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citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Two-memristor-based chaotic system and its extreme multistability reconstitution via dimensionality reduction analysis. <i>Chaos, Solitons and Fractals</i> , 2019, 127, 354-363.	5.1	56
2	Gridless Parameter Estimation for One-Bit MIMO Radar With Time-Varying Thresholds. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 1048-1063.	5.3	39
3	Quadrature Compressive Sampling for Radar Signals. <i>IEEE Transactions on Signal Processing</i> , 2014, 62, 2787-2802.	5.3	36
4	Pulse-doppler signal processing with quadrature compressive sampling. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2015, 51, 1217-1230.	4.7	32
5	On the Mutual Interference Between Spaceborne SARs: Modeling, Characterization, and Mitigation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 8470-8485.	6.3	26
6	Extreme multistability in memristive hyper-jerk system and stability mechanism analysis using dimensionality reduction model. <i>European Physical Journal: Special Topics</i> , 2019, 228, 1995-2009.	2.6	21
7	Joint Angle and Doppler Frequency Estimation for MIMO Radar with One-Bit Sampling: A Maximum Likelihood-Based Method. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 4734-4748.	4.7	21
8	A Dictionary-Based SAR RFI Suppression Method via Robust PCA and Chirp Scaling Algorithm. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1229-1233.	3.1	18
9	Dimensionality Reduction Analysis for Detecting Initial Effects on Synchronization of Memristor-Coupled System. <i>IEEE Access</i> , 2019, 7, 109689-109698.	4.2	15
10	A blind stopping condition for orthogonal matching pursuit with applications to compressive sensing radar. <i>Signal Processing</i> , 2019, 165, 331-342.	3.7	15
11	Finger-Vein Image Enhancement Based on Pulse Coupled Neural Network. <i>IEEE Access</i> , 2019, 7, 57226-57237.	4.2	15
12	Interferometric Phase Retrieval for Multimode InSAR via Sparse Recovery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, , 1-15.	6.3	14
13	A general sequential delay-Doppler estimation scheme for sub-Nyquist pulse-Doppler radar. <i>Signal Processing</i> , 2017, 135, 210-217.	3.7	13
14	Gridless quadrature compressive sampling with interpolated array technique. <i>Signal Processing</i> , 2017, 133, 1-12.	3.7	11
15	Quadrature compressive sampling for radar echo signals. , 2011, , .		10
16	Quadrature Compressive Sampling for Multiband Radar Echo Signals. <i>IEEE Access</i> , 2017, 5, 19742-19760.	4.2	9
17	Super-Resolution Pulse-Doppler Radar Sensing via One-Bit Sampling. , 2018, , .		9
18	SAR RFI Suppression for Extended Scene Using Interferometric Data via Joint Low-Rank and Sparse Optimization. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1976-1980.	3.1	9

#	ARTICLE	IF	CITATIONS
19	A general and yet efficient scheme for sub-Nyquist radar processing. <i>Signal Processing</i> , 2018, 142, 206-211.	3.7	8
20	Non-Common Band SAR Interferometry Via Compressive Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 4436-4453.	6.3	8
21	A COMPRESSED SENSING FRAMEWORK OF FREQUENCY-SPARSE SIGNALS THROUGH CHAOTIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250151.	1.7	7
22	Iterated graph cut method for automatic and accurate segmentation of finger-vein images. <i>Applied Intelligence</i> , 2021, 51, 673-689.	5.3	7
23	A Low-Complexity MIMO Dual Function Radar Communication System via One-Bit Sampling. , 2021, , .		7
24	Sub-Nyquist SAR via Quadrature Compressive Sampling with Independent Measurements. <i>Remote Sensing</i> , 2019, 11, 472.	4.0	6
25	Direction Finding of Electromagnetic Sources on a Sparse Cross-Dipole Array Using One-Bit Measurements. <i>IEEE Access</i> , 2020, 8, 83131-83143.	4.2	6
26	A sparse representation denoising algorithm for finger-vein image based on dictionary learning. <i>Multimedia Tools and Applications</i> , 2021, 80, 15135-15159.	3.9	6
27	Quadrature compressive sampling for radar signals: Output noise and robust reconstruction. , 2014, , .		4
28	Segment-sliding reconstruction of pulsed radar echoes with sub-Nyquist sampling. <i>Science China Information Sciences</i> , 2016, 59, 1.	4.3	4
29	Block sparse representation and suppression of narrow-band interference signals for quadrature compressive sampling radar. <i>Signal Processing</i> , 2018, 150, 135-144.	3.7	4
30	Sub-Nyquist sampling with independent measurements. <i>Signal Processing</i> , 2020, 170, 107435.	3.7	4
31	Super-Resolution DOA Estimation Using Dynamic Metasurface Antenna. , 2020, , .		4
32	Cramer-Rao bounds for the joint delay-Doppler estimation of compressive sampling pulse-Doppler radar. <i>Journal of Systems Engineering and Electronics</i> , 2018, 29, 58-66.	2.2	3
33	CHAOTIC ANALOG-TO-INFORMATION CONVERSION: PRINCIPLE AND RECONSTRUCTABILITY WITH PARAMETER IDENTIFIABILITY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350198.	1.7	2
34	Radar Interferometry using Two Images with Different Resolutions. , 2019, , .		2
35	SUPREME LOCAL LYAPUNOV EXPONENTS AND CHAOTIC IMPULSIVE SYNCHRONIZATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350169.	1.7	1
36	Quadrature compressive sampling of multiband radar signals at sub-Landau rate. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Quadrature Compressive Sampling SAR Imaging. , 2018, , .		1
38	Structure-Based Sensing Matrix Optimization for Extended Target Ranging. , 2020, , .		1
39	A pulse-Doppler processing scheme for quadrature compressive sampling radar. , 2014, , .		0
40	Anti-jamming target detection of pulsed-type radars in QuadCS domain. , 2015, , .		0
41	A segment-sliding reconstruction scheme for pulsed radar echoes with sub-Nyquist sampling. , 2016, , .		0