

# Yinsheng Wei

## List of Publications by Year in descending order

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56  
papers

350  
citations

1163117

8  
h-index

940533

16  
g-index

56  
all docs

56  
docs citations

56  
times ranked

231  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convolutional Neural Network-Based Radar Jamming Signal Classification With Sufficient and Limited Samples. IEEE Access, 2020, 8, 80588-80598.	4.2	73
2	Deep Fusion for Radar Jamming Signal Classification Based on CNN. IEEE Access, 2020, 8, 117236-117244.	4.2	38
3	Adaptive gradient search for optimal sidelobe design of hopped-frequency waveform. IET Radar, Sonar and Navigation, 2014, 8, 282-289.	1.8	19
4	Fast Complex-Valued CNN for Radar Jamming Signal Recognition. Remote Sensing, 2021, 13, 2867.	4.0	16
5	Cascaded method for ionospheric decontamination and sea clutter suppression for high-frequency hybrid sky-surface wave radar. IET Signal Processing, 2015, 9, 562-571.	1.5	15
6	Modified Anderson-Darling Test-Based Target Detector in Non-Homogenous Environments. Sensors, 2014, 14, 16046-16061.	3.8	13
7	A novel parameter estimation method of interrupted sampling repeater jamming. , 2019, , .		13
8	Analysis of first-order sea clutter spectrum characteristics for HF sky-surface wave radar. , 2013, , .		10
9	PCFM Radar Waveform Design With Spectral and Correlation Considerations. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2885-2898.	4.7	9
10	Ionospheric Decontamination for HF Hybrid Sky-Surface Wave Radar on a Shipborne Platform. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2162-2166.	3.1	9
11	Design of unimodular sequence train with low central and recurrent autocorrelations. IET Radar, Sonar and Navigation, 2019, 13, 45-49.	1.8	9
12	Simulation study of first-order sea clutter Doppler spectra for shipborne high frequency radar via hybrid sky-surface wave propagation. Journal of Applied Remote Sensing, 2017, 11, 014001.	1.3	8
13	Experimental analysis of a HF hybrid sky-surface wave radar. IEEE Aerospace and Electronic Systems Magazine, 2018, 33, 32-40.	1.3	8
14	A novel adaptive beamforming technique for large-scale arrays. , 2015, , .		7
15	Ionospheric clutter suppression using Wavelet Oblique Projecting Filter. , 2017, , .		7
16	Single dataset method for spread-Doppler clutter suppression in HF hybrid sky-surface wave radar. Electronics Letters, 2017, 53, 277-279.	1.0	7
17	Sea clutter suppression for shipborne HFSWR using joint sparse recovery-based STAP. Electronics Letters, 2016, 52, 1067-1069.	1.0	6
18	Design unimodular sequence train with low central and recurrent autocorrelation sidelobes via FFT-based cyclic algorithm. Electronics Letters, 2017, 53, 1329-1331.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Adaptive beamforming based on nonuniform linear arrays with enhanced degrees of freedom. , 2015, , .		5
20	Hoppedâ€frequency waveform design for range sidelobe suppression in spectral congestion. IET Radar, Sonar and Navigation, 2018, 12, 87-94.	1.8	5
21	Robust adaptive beamforming method for largeâ€scale array with automatic diagonal loading and steering vector estimation. Journal of Engineering, 2019, 2019, 8047-8050.	1.1	5
22	TOA-based localization error modeling of distributed MIMO radar for positioning accuracy enhancement. , 2016, , .		4
23	Adaptive beamforming technique for large-scale arrays with various subarray selections. , 2016, , .		4
24	Correlation performance analysis for waveforms with spectral notches. IET Radar, Sonar and Navigation, 2017, 11, 1644-1651.	1.8	4
25	Interpulseâ€frequencyâ€agile and intrapulseâ€phaseâ€coded waveform optimisation for extendâ€range correlation sidelobe suppression. IET Radar, Sonar and Navigation, 2017, 11, 1530-1539.	1.8	4
26	New BSSâ€based ABF for heterogeneous ionospheric clutter mitigation in HFSSWR. IET Radar, Sonar and Navigation, 2019, 13, 2015-2023.	1.8	4
27	Multiple Phase Screen Modeling of HF Wave Field Scintillations Caused by the Irregularities in Inhomogeneous Media. Radio Science, 2021, 56, e2020RS007239.	1.6	4
28	Azimuth Resolution Improvement and Target Parameters Inversion for Distributed Shipborne High Frequency Hybrid Sky-Surface Wave Radar. Remote Sensing, 2021, 13, 2471.	4.0	4
29	Coherent process and optimal weighting for sparse frequency agility waveform. , 2015, , .		3
30	Over-sampled polyphase code design for physical implementation with spectral and correlation consideration. , 2016, , .		3
31	Novel Range-Doppler Processing and Waveform Design Method for Extending Unambiguous Doppler. , 2018, , .		3
32	Adaptive suppression of mainâ€lobe spread Doppler clutter with high directivity for HFSSWR using oblique projection. Electronics Letters, 2019, 55, 1245-1247.	1.0	3
33	Region detection and statistical analysis of HF E, F layer ionospheric clutter RD spectra. , 2012, , .		2
34	Signal decomposition of HF radar maneuvering targets by using $S^2$ -method with clutter rejection. Journal of Systems Engineering and Electronics, 2012, 23, 167-172.	2.2	2
35	Influence of ionosphere on resolution cell of HF hybrid sky-surface wave radar. , 2013, , .		2
36	A novel ionospheric clutter mitigation method through time-frequency image processing based on ridgelet analysis. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Wide transmit beamforming for the subarrays in MIMO radar. , 2016, , .		2
38	APES based STAP for target detection in spread-Doppler clutter. , 2016, , .		2
39	Fast-time STAP based on BSS for heterogeneous ionospheric clutter mitigation in HFSWR. IET Radar, Sonar and Navigation, 2020, 14, 927-934.	1.8	2
40	Dispersive coefficient calculation for spherical stratified ionosphere. , 2014, , .		1
41	Correlation-statistics-based simulator of perturbed phases triggered by the ionospheric irregularities for HF radar systems. , 2016, , .		1
42	Real-time waveform adaption in spectral crowded environment using a sub-waveforms-based library. , 2016, , .		1
43	Efficient method for cognitive waveform design in high reverberant environment. , 2018, , .		1
44	Waveform optimisation for unambiguous Doppler extension. IET Radar, Sonar and Navigation, 2019, 13, 290-299.	1.8	1
45	A new sensing matrix construction strategy based on sparse recovery STAP. , 2019, , .		1
46	Cognitive radar waveform design with the signal-to-clutter-plus-noise ratio and filtered integrated sidelobe level considerations. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	1
47	Classification of Pedestrian Motion Based on Micro-Doppler Feature with LFM CW RADAR. , 2019, , .		1
48	Performance Analysis of A Long-Term Integration Algorithm for Space-borne Radar Based on Segment Processing. , 2006, , .		0
49	An Improved DPT-based Estimator and its Application to Maneuvering Air Target Detection for OTH Radar. , 2006, , .		0
50	A Cascaded Approach for Correcting Ionospheric Contamination with Large Amplitude in HF Skywave Radars. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	0
51	SOCP-based improved direct data domain least square approach for STAP. , 2016, , .		0
52	Spread-Doppler clutter cancellation in high frequency hybrid sky-surface wave radar. , 2016, , .		0
53	Hopped-frequency waveform design for optimal detection in spectral congested environment. , 2016, , .		0
54	Spread-Doppler clutter mitigation based on ionospheric irregularity learning for skywave radar. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
55	Sea clutter simulation for skywave radar considering ionospheric diffuse scattering. , 2017, , .		0
56	Using a second-order bistatic cross-section of the ocean surface for bistatic shipborne HFSWR. Remote Sensing Letters, 2018, 9, 353-362.	1.4	0