Wen-Qin Wang

List of Publications by Year
in descending order

275	6,914	50276	85541
papers	citations	46 h-index	71 g-index

279	279	279	2450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radar Cross Section Characterization of Frequency Diverse Array Radar. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 460-471.	4.7	4
2	A Lightweight Faster R-CNN for Ship Detection in SAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	44
3	2-D Moving Target Deception Against Multichannel SAR-GMTI Using Frequency Diverse Array. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
4	Generalized Ambiguity Function for FDA Radar Joint Range, Angle and Doppler Resolution Evaluation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	11
5	Pattern synthesis for uniform linear array using genetic algorithm and artificial neural network. Multidimensional Systems and Signal Processing, 2022, 33, 263-273.	2.6	2
6	Adaptive Detection With Bayesian Framework for FDA-MIMO Radar. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
7	FDA-Based Spaceâ€“Timeâ€“Frequency Deceptive Jamming Against SAR Imaging. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2127-2140.	4.7	15
8	Adaptive Moving Target Detection Without Training Data for FDA-MIMO Radar. IEEE Transactions on Vehicular Technology, 2022, 71, 220-232.	6.3	21
9	DOA Estimation Using Coprime Array in the Presence of Unknown Nonuniform Noise. Circuits, Systems, and Signal Processing, 2022, 41, 3000-3010.	2.0	4
10	A Low Sidelobe Deceptive Jamming Suppression Beamforming Method With a Frequency Diverse Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 4884-4889.	5.1	17
11	Bayesian Detection in Gaussian Clutter for FDA-MIMO Radar. IEEE Transactions on Vehicular Technology, 2022, 71, 2655-2667.	6.3	10
12	Resolving Doppler Ambiguity of High-Speed Moving Targets via FDA-MIMO Radar. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
13	Frequency Diverse Array Introduced Into SAR GMTI to Mitigate Blind Velocity and Doppler Ambiguity. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
14	Angle Estimation for Bistatic MIMO Radar Using One-Bit Sampling Via Atomic Norm Minimization. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 5815-5822.	4.7	9
15	DOA Estimation of Coherent Sources Using Coprime Array via Atomic Norm Minimization. IEEE Signal Processing Letters, 2022, 29, 1312-1316.	3.6	14
16	Synthesis of Subarrayed Large Linear Arrays by a Hybrid Genetic Algorithm Integrated with Convex Programming. Circuits, Systems, and Signal Processing, 2022, 41, 5903-5913.	2.0	2
17	Adaptive Detector For FDA-Based Ambient Backscatter Communications. IEEE Transactions on Wireless Communications, 2022, , 1-1.	9.2	1
18	Covariance Matrix Estimation for FDA-MIMO Adaptive Transmit Power Allocation. IEEE Transactions on Signal Processing, 2022, 70, 3386-3399.	5.3	15

#	Article	IF	Citations
19	FDA-MIMO radar detection for independent and nonidentically distributed fluctuating targets. , 2022, , 103634.		0
20	Automatic modulation recognition based on mixed-type features. International Journal of Electronics, 2021, 108, 105-114.	1.4	11
21	Symmetric Displaced Coprime Array Configurations for Mixed Near- and Far-Field Source Localization. IEEE Transactions on Antennas and Propagation, 2021, 69, 465-477.	5.1	55
22	Sparse Array Beamforming Design for Coherently Distributed Sources. IEEE Transactions on Antennas and Propagation, 2021, 69, 2628-2636.	5.1	11
23	Transmit beamspace design for FDAâ€“MIMO radar with alternating direction method of multipliers. Signal Processing, 2021, 180, 107832.	3.7	20
24	FDA radar with doppler-spreading consideration: Mainlobe clutter suppression for blind-doppler target detection. Signal Processing, 2021, 179, 107773.	3.7	26
25	Two-dimensional direction-of-arrival estimation for cylindrical nested conformal arrays. Signal Processing, 2021, 179, 107838.	3.7	7
26	Joint Two-Dimensional Deception Countering ISAR via Frequency Diverse Array. IEEE Signal Processing Letters, 2021, 28, 773-777.	3.6	13
27	Fast Implementation of Generalized Radonâ€“Fourier Transform. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3758-3767.	4.7	3
28	Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray. IEEE Transactions on Signal Processing, 2021, 69, 5345-5358.	5.3	59
29	Detecting High-Speed Maneuvering Targets by Exploiting Range-Doppler Relationship for LFM Radar. IEEE Transactions on Vehicular Technology, 2021, 70, 2209-2218.	6.3	8
30	2-D DOA Estimation for Nested Conformal Arrays via Sparse Reconstruction. IEEE Communications Letters, 2021, 25, 980-984.	4.1	10
31	Broadband Electronically Scanned Reflectarray Antenna With Liquid Crystals. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 396-400.	4.0	36
32	Mutual Interference Alignment for Joint Phased Array Radar and Communication Systems. , 2021, , .		0
33	Mutual interference alignment for co-existing radar and communication systems. , 2021, 112, 103004.		1
34	Cognitive FDA radar transmit power allocation for target tracking in spectrally dense scenario. Signal Processing, 2021, 183, 108006.	3.7	10
35	Target localization in distributed MIMO radars via improved semidefinite relaxation. Journal of the Franklin Institute, 2021, 358, 5588-5598.	3.4	11
36	FDA Based QSM for mmWave Wireless Communications: Frequency Diverse Transmitter and Reduced Complexity Receiver. IEEE Transactions on Wireless Communications, 2021, 20, 4571-4584.	9.2	11

#	Article	IF	Citations
37	Interference Utilization for Spectrum Sharing Radar-Communication Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 8304-8308.	6.3	6
38	Localization deception performance of FDA signals under passive bi-satellite reconnaissance. Science China Information Sciences, 2021, 64, 1.	4.3	1
39	FDA-MIMO radar covariance matrix estimation via shrinkage processing. , 2021, 118, 103206.		4
40	LPI Property of FDA Transmitted Signal. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3905-3915.	4.7	14
41	Analysis of beampattern dwell time for planar frequency diverse array. IET Signal Processing, 2021, 15, 40-45.	1.5	3
42	Coarray Interpolation for DOA Estimation Using Coprime EMVS Array. IEEE Signal Processing Letters, 2021, 28, 548-552.	3.6	31
43	Low PAPR OFDM-Chirp Modulation Signaling Scheme. , 2021, , .		1
44	Frequency Diverse Array Design for Deceptive Jamming Suppression Using Particle Swarm Optimization. , 2021, , .		2
45	Mixed targets localization using symmetric nested frequency diverse array radar. IET Signal Processing, 2021, 15, 1-13.	1.5	1
46	Performance Analysis of Frequency Diverse Array with Frequency Offset Errors. , 2021, , .		1
47	Physical-Layer Security for Frequency Diverse Array Communication System Over Nakagami-m Fading Channels. IEEE Systems Journal, 2020, 14, 2370-2381.	4.6	11
48	Integrated Communication and Localization System With OFDM-Chirp Waveform. IEEE Systems Journal, 2020, 14, 2464-2472.	4.6	10
49	Multi-Scene Deception Jamming on SAR Imaging With FDA Antenna. IEEE Access, 2020, 8, 7058-7069.	4.2	17
50	Information geometry resolution optimization for frequency diverse array in DOA estimation. Signal Processing, 2020, 169, 107376.	3.7	4
51	Robust adaptive beamforming via coprime coarray interpolation. Signal Processing, 2020, 169, 107382.	3.7	55
52	A Novel Approach for Spaceborne SAR Scattered-Wave Deception Jamming Using Frequency Diverse Array. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1568-1572.	3.1	30
53	Millimeter-Wave Broadband Tunable Band-Pass Filter Based on Liquid Crystal Materials. IEEE Access, 2020, 8, 1339-1346.	4.2	6
54	Manifold studies of FDA geometries for joint angle and range estimation. Signal Processing, 2020, 170, 107438.	3.7	2

#	Article	IF	Citations
55	Range-ambiguous clutter characteristics in airborne FDA radar. Signal Processing, 2020, 170, 107407.	3.7	4
56	Adaptive transmit array sidelobe control using FDA-MIMO for tracking in joint radar-communications. , 2020, 97, 102619.		20
57	Low-complexity GLRT for FDA radar without training data. , 2020, 107, 102861.		19
58	Ambiguity Function-Based ESPRIT Algorithm for FDA-MIMO Radar Target Localization. , 2020, , .		5
59	Robust DOA Estimation Against Mutual Coupling With Nested Array. IEEE Signal Processing Letters, 2020, 27, 1360-1364.	3.6	18
60	Frequency Diverse Array Beampattern Synthesis With Taylor Windowed Frequency Offsets. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1901-1905.	4.0	40
61	Calibrating Nonuniform Linear Arrays With Model Errors Using a Source at Unknown Location. IEEE Communications Letters, 2020, 24, 2917-2921.	4.1	8
62	Source localisation using TDOA and FDOA measurements under unknown noise power knowledge. IET Signal Processing, 2020, 14, 435-439.	1.5	5
63	Performance Prediction of FDA-MIMO Radar Detector. , 2020, , .		1
64	Ergodic Interference Steering for Joint Phased Array Radar and Communication Systems. , 2020, , .		0
65	DOA estimation and tracking for FDA-MIMO radar signal. , 2020, 106, 102858.		9
66	Sparse Array Design for Adaptive Beamforming via Semidefinite Relaxation. IEEE Signal Processing Letters, 2020, 27, 925-929.	3.6	9
67	Ambient Backscatter Communication With Frequency Diverse Array for Enhanced Channel Capacity and Detection Performance. IEEE Sensors Journal, 2020, 20, 10876-10885.	4.7	11
68	Manifold Sensitivity Analysis of Frequency Diverse Array. IEEE Signal Processing Letters, 2020, 27, 1020-1024.	3.6	4
69	Antenna Beampattern With Range Null Control Using Weighted Frequency Diverse Array. IEEE Access, 2020, 8, 50107-50117.	4.2	15
70	Direction-of-Arrival Estimation of Coherent Signals via Coprime Array Interpolation. IEEE Signal Processing Letters, 2020, 27, 585-589.	3.6	82
71	Joint Spatial-Spectral Smoothing in a Minimum-Volume Simplex for Hyperspectral Image Super-Resolution. Applied Sciences (Switzerland), 2020, 10, 237.	2.5	6
72	Target Reflectivity Characterization for FDA Radar. , 2020, , .		1

#	Article	IF	Citations
73	Robust and Efficient Adaptive Beamforming Using Nested Subarray Principles. IEEE Access, 2020, 8, 4076-4085.	4.2	6
74	Multi-Feature Fusion and Enhancement Single Shot Detector for Traffic Sign Recognition. IEEE Access, 2020, 8, 38931-38940.	4.2	54
75	Focusing of Spaceborne SAR Data Using the Improved Nonlinear Chirp Scaling Algorithm. , 2020, , .		4
76	Adaptive Transmit Power Allocation for FDA Radar With Spectral Interference Avoidance. , 2020, , .		4
77	Statistical Analysis for Time Modulation-Based Frequency Diverse Array Beampattern. IEEE Access, 2019, 7, 84142-84154.	4.2	8
78	Temporal Focusing Effects of Time-Reversal Frequency Diverse Array Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1858-1862.	4.0	4
79	Cognitive FDA-MIMO With Channel Uncertainty Information for Target Tracking. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 963-975.	7.9	15
80	Time-Modulated OFDM Directional Modulation Transmitters. IEEE Transactions on Vehicular Technology, 2019, 68, 8249-8253.	6.3	24
81	Active Frequency Diverse Array Counteracting Interferometry-Based DOA Reconnaissance. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1922-1925.	4.0	13
82	Range-Angle-Dependent Beampattern Synthesis With Null Depth Control for Joint Radar Communication. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1741-1745.	4.0	20
83	Localization of Mixed Near-Field and Far-Field Sources Using Symmetric Double-Nested Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 7059-7070.	5.1	75
84	Joint Precoding Spatial and Rotating Symbol Modulation for Physical-Layer Security. IEEE Communications Letters, 2019, 23, 2150-2153.	4.1	6
85	Directional Radar-Embedded Communications Based on Hybrid MIMO and Frequency Diverse Arrays. , 2019, , .		3
86	Robust adaptive beamforming using a novel signal power estimation algorithm. , 2019, 95, 102574.		16
87	Liquid Crystal-Based Wideband Reconfigurable Leaky Wave X-Band Antenna. IEEE Access, 2019, 7, 127320-127326.	4.2	14
88	Ergodic Interference Alignment for Spectrum Sharing Radar-Communication Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9785-9796.	6.3	20
89	High-Precision Imaging Algorithm for Highly Squinted SAR With 3D Acceleration. IEEE Access, 2019, 7, 130399-130409.	4.2	1
90	Spatial Smoothing PAST Algorithm for DOA Tracking Using Difference Coarray. IEEE Signal Processing Letters, 2019, 26, 1623-1627.	3.6	23

#	Article	IF	Citations
91	Two-stage ESPRIT for unambiguous angle and range estimation in FDA-MIMO radar. , 2019, 92, 151-165.		30
92	Frequency Diverse Array Beampattern Synthesis Using Symmetrical Logarithmic Frequency Offsets for Target Indication. IEEE Transactions on Antennas and Propagation, 2019, 67, 3505-3509.	5.1	59
93	On Physical-Layer Security of FDA Communications Over Rayleigh Fading Channels. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 476-490.	7.9	26
94	Space-Time Modulated Wideband Array Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1081-1085.	4.0	11
95	A modified Omega-K algorithm for squint circular trace scanning SAR using improved range model. Signal Processing, 2019, 160, 59-65.	3.7	3
96	Robust Adaptive Beamforming via Simplified Interference Power Estimation. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3139-3152.	4.7	59
97	MISC Array: A New Sparse Array Design Achieving Increased Degrees of Freedom and Reduced Mutual Coupling Effect. IEEE Transactions on Signal Processing, 2019, 67, 1728-1741.	5.3	197
98	Outage of Frequency Diverse Array-based Secure Transmission Over Rayleigh Fading Channels*. , 2019, , .		0
99	Learning Laplacian Matrix for Smooth Signals on Graph. , 2019, , .		1
100	Fast algorithm for moving target localisation using FDAâ€MIMO radar. Journal of Engineering, 2019, 2019, 5749-5752.	1.1	0
101	Clutter simulation and characterisation of spaceâ€borne GEOâ€LEO radar. Journal of Engineering, 2019, 2019, 7415-7418.	1.1	0
102	Adaptive transmit beamspace design for cognitive FDA radar tracking. IET Radar, Sonar and Navigation, 2019, 13, 2083-2092.	1.8	7
103	Source localization using TDOA and FDOA measurements based on semidefinite programming and reformulation linearization. Journal of the Franklin Institute, 2019, 356, 11817-11838.	3.4	9
104	FDA-MIMO Signal Processing for Mainlobe Jammer Suppression. , 2019, , .		17
105	Frequency Diverse Array Focusing Beampattern Synthesis With Constrained Nonlinear Programming Frequency Offsets. , 2019, , .		1
106	Computational Efficient DOA, DOD, and Doppler Estimation Algorithm for MIMO Radar. IEEE Signal Processing Letters, 2019, 26, 44-48.	3.6	16
107	Retrodirective Frequency Diverse Array Focusing for Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2019, 37, 61-73.	14.0	33
108	Joint admission control and beamforming in maxâ€“min fairness networks. IET Communications, 2019, 13, 1953-1961.	2.2	2

#	Article	IF	Citations
109	On RF localisation deception capability of FDA signal under interferometry reconnaissance. Journal of Engineering, 2019, 2019, 6695-6698.	1.1	3
110	FDA Radar Ambiguity Function Characteristics Analysis and Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1368-1380.	4.7	18
111	Communicationâ€embedded OFDM chirp waveform for delayâ€Doppler radar. IET Radar, Sonar and Navigation, 2018, 12, 353-360.	1.8	18
112	Nested Array Sensor With Grating Lobe Suppression and Arbitrary Transmitâ€“Receive Beampattern Synthesis. IEEE Access, 2018, 6, 9227-9237.	4.2	6
113	Hybrid MIMO and Phased-Array Directional Modulation for Physical Layer Security in mmWave Wireless Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 1383-1396.	14.0	58
114	Mixed far-field and near-field source localization based on subarray cross-cumulant. Signal Processing, 2018, 150, 51-56.	3.7	52
115	Coherent Pulsed-FDA Radar Receiver Design With Time-Variance Consideration: SINR and CRB Analysis. IEEE Transactions on Signal Processing, 2018, 66, 200-214.	5.3	95
116	Cognitive Target Tracking via Angle-Range-Doppler Estimation With Transmit Subaperturing FDA Radar. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 76-89.	10.8	53
117	Physical-Layer Security for Proximal Legitimate User and Eavesdropper: A Frequency Diverse Array Beamforming Approach. IEEE Transactions on Information Forensics and Security, 2018, 13, 671-684.	6.9	62
118	Ultrawideband Frequency-Diverse Array Antennas: Range-Dependent and Autoscanning Beampattern Applications. IEEE Antennas and Propagation Magazine, 2018, 60, 48-56.	1.4	16
119	Time-Modulated FD-MIMO Array for Integrated Radar and Communication Systems. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1015-1019.	4.0	38
120	FDS-MIMO Radar Low-Altitude Beam Coverage Performance Analysis and Optimization. IEEE Transactions on Signal Processing, 2018, 66, 2494-2506.	5.3	8
121	Search-Free DOD, DOA and Range Estimation for Bistatic FDA-MIMO Radar. IEEE Access, 2018, 6, 15431-15445.	4.2	32
122	Range-Angle Localization of Targets With Planar Frequency Diverse Subaperturing MIMO Radar. IEEE Access, 2018, 6, 12505-12517.	4.2	18
123	FDA-MIMO Radar Rangeâ€“Angle Estimation: CRLB, MSE, and Resolution Analysis. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 284-294.	4.7	135
124	Classification and localization of mixed near-field and far-field sources using mixed-order statistics. Signal Processing, 2018, 143, 134-139.	3.7	45
125	Sparsity-aware transmit beamspace design for FDA-MIMO radar. Signal Processing, 2018, 144, 99-103.	3.7	98
126	Two-dimensional direction estimation of multiple signals using two parallel sparse linear arrays. Signal Processing, 2018, 143, 112-121.	3.7	12

#	Article	IF	Citations
127	Homogeneously Distributed Multiple False Targets Jamming Using Frequency Diverse Array. , 2018, , .		1
128	Impaired Array Diagnosis and Mitigation With Khatriâ€“Rao Processing. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2354-2358.	4.0	2
129	Deceptive Jamming on Space-Borne Sar Using Frequency Diverse Array. , 2018, , .		14
130	Moving Target Detection and Imaging for Geosynchronous SAR. , 2018, , .		1
131	Two-dimensional Spectrum for Diving Stage SAR Processing with High-order Equivalent Range Model. , 2018, , .		0
132	Highly Squinted Imaging for Diving SAR with 3-Dacceleration. , 2018, , .		3
133	Efficient Beamspace-Based Algorithm for Two-Dimensional DOA Estimation of Incoherently Distributed Sources in Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 11776-11789.	6.3	77
134	An efficient method for angular parameter estimation of incoherently distributed sources via beamspace shift invariance. , 2018, 83, 261-270.		13
135	Range-Dependent Spatial Modulation Using Frequency Diverse Array for OFDM Wireless Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 10886-10895.	6.3	22
136	Joint Range, Angle and Doppler Estimation for FDA-MIMO Radar. , 2018, , .		7
137	Generalized Linear Frequency Diverse Array Manifold Curve Analysis. IEEE Signal Processing Letters, 2018, 25, 768-772.	3.6	10
138	Localization Performance Analysis of FDA Radar Receiver With Two-Stage Estimator. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2873-2887.	4.7	24
139	Experimental demonstration of 25-Gb/s downstream transmission using 10-Gbps optics for next-generation PONs. Optics Communications, 2018, 427, 209-214.	2.1	1
140	OFDM chirp radar for adaptive target detection in low grazing angle. IET Signal Processing, 2018, 12, 613-619.	1.5	12
141	Covariance Matrix Reconstruction With Interference Steering Vector and Power Estimation for Robust Adaptive Beamforming. IEEE Transactions on Vehicular Technology, 2018, 67, 8495-8503.	6.3	82
142	Experimental Demonstration of FTN-NRZ, PAM-4, and Duobinary Based on 10-Gbps Optics in 100G-EPON. IEEE Photonics Journal, 2018, 10, 1-13.	2.0	6
143	Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami-<inline-formula> <tex-math notation="LaTeX">${m}$ </tex-math> </inline-formula> Fading. IEEE Wireless Communications Letters, 2018, 7, 1034-1037.	5.0	24
144	Localization of Mixed Far-Field and Near-Field Sources via Cumulant Matrix Reconstruction. IEEE Sensors Journal, 2018, 18, 7671-7680.	4.7	34

#	Article	IF	Citations
145	Dual-function FDA MIMO radar-communications system employing costas signal waveforms. , 2018, , .		20
146	Symmetrical logarithmic frequency diverse array for target imaging. , 2018, , .		8
147	Resolution threshold of music algorithm for FDA-MIMO Radar. , 2018, , .		1
148	On FDA RF localization deception under sum difference beam reconnaissance. , 2018, , .		5
149	General receiver design for FDA radar. , 2018, , .		24
150	2-D DOA Estimation of Multiple Signals Based on Sparse L-Shaped Array. IEICE Transactions on Communications, 2018, E101.B, 383-391.	0.7	1
151	MIMO radar OFDM chirp waveform diversity design with sparse modeling and joint optimization. Multidimensional Systems and Signal Processing, 2017, 28, 237-249.	2.6	9
152	Directional Modulation Using Frequency Diverse Array For Secure Communications. Wireless Personal Communications, 2017, 95, 2679-2689.	2.7	35
153	Introduction to the Special Issue on Time/Frequency Modulated Array Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 225-227.	10.8	22
154	Secure directional modulation using frequency diverse array antenna. , 2017, , .		23
155	Optimization of frequency increments via CRLB minimization for frequency diverse array. , 2017, , .		1
156	Frequency diverse array radar in counteracting mainlobe jamming signals. , 2017, , .		6
157	Constant modulus waveforms with restraining spectral interferences for cognitive MIMO radar. , 2017, , .		2
158	Cognitive FDAâ€MIMO radar for LPI transmit beamforming. IET Radar, Sonar and Navigation, 2017, 11, 1574-1580.	1.8	24
159	Timeâ€modulated FDA for physicalâ€layer security. IET Microwaves, Antennas and Propagation, 2017, 11, 1274-1279.	1.4	16
160	OFDM chirp waveform diversity for co-designed radar-communication system. , 2017, , .		6
161	DM using FDA antenna for secure transmission. IET Microwaves, Antennas and Propagation, 2017, 11, 336-345.	1.4	48
162	Carrier Frequency and DOA Estimation of Sub-Nyquist Sampling Multi-Band Sensor Signals. IEEE Sensors Journal, 2017, 17, 7470-7478.	4.7	23

#	Article	IF	Citations
163	Robust Adaptive Beamforming Against Mutual Coupling Based on Mutual Coupling Coefficients Estimation. IEEE Transactions on Vehicular Technology, 2017, 66, 9124-9133.	6.3	46
164	Potential transmit beamforming schemes for active LPI radars. IEEE Aerospace and Electronic Systems Magazine, 2017, 32, 46-52.	1.3	23
165	Bayesian information criterion for multidimensional sinusoidal order selection. , 2017, , .		4
166	Sparse reconstruction-based beampattern synthesis for multi-carrier frequency diverse array antenna. , 2017, , .		9
167	An Overview on Time/Frequency Modulated Array Processing. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 228-246.	10.8	182
168	Frequency Diverse Array Transmit Beampattern Optimization With Genetic Algorithm. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 469-472.	4.0	110
169	Joint Sparsity-Based Range-Angle-Dependent Beampattern Synthesis for Frequency Diverse Array. IEEE Access, 2017, 5, 15152-15161.	4.2	19
170	Low-Cost Nested-MIMO Array for Large-Scale Wireless Sensor Applications. Sensors, 2017, 17, 1105.	3.8	0
171	Three-Dimensional Microwave Imaging for Concealed Weapon Detection Using Range Stacking Technique. International Journal of Antennas and Propagation, 2017, 2017, 1-11.	1.2	18
172	MIMO Radar Using Frequency Incremental Waveforms For Range-Angle Localization of Targets. , 2017, , .		0
173	FDA radar using Costas sequence modulated frequency increments. , 2016, , .		17
174	Simultaneous SAR imaging and GMTI by fractional Fourier transform processing. , 2016, , .		2
175	Cognitive frequency diverse array radar with situational awareness. IET Radar, Sonar and Navigation, 2016, 10, 359-369.	1.8	35
176	Overview of frequency diverse array in radar and navigation applications. IET Radar, Sonar and Navigation, 2016, 10, 1001-1012.	1.8	143
177	Tensor Decomposition and PCA Jointed Algorithm for Hyperspectral Image Denoising. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 897-901.	3.1	33
178	Frequency diverse array and MIMO hybrid radar transmitter design via CramÃ©râ€“Rao lower bound minimisation. IET Radar, Sonar and Navigation, 2016, 10, 1660-1670.	1.8	20
179	Direction-of-arrival estimation for coherent sources via sparse Bayesian learning. , 2016, , .		1
180	Time-invariant transmit beampattern synthesis via weight design for FDA radar. , 2016, , .		18

#	Article	IF	Citations
181	Sparse reconstruction-based angle-range-polarization-dependent beamforming with polarization sensitive frequency diverse array. , 2016, , .		6
182	Forward-looking SAR imaging with frequency diverse array antenna. , 2016, , .		10
183	A modefied PGA motion compensation method for circular trace scanning SAR. , 2016, , .		3
184	Nested array receiver with timeâ€delayers for joint target range and angle estimation. IET Radar, Sonar and Navigation, 2016, 10, 1384-1393.	1.8	22
185	Decoupled frequency diverse array rangeâ€“angleâ€dependent beampattern synthesis using nonâ€linearly increasing frequency offsets. IET Microwaves, Antennas and Propagation, 2016, 10, 880-884.	1.4	83
186	Range-azimuth decouple beamforming for frequency diverse array with Costas-sequence modulated frequency offsets. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	19
187	Receiver disposition optimization in distributed passive radar imaging. , 2016, , .		1
188	Transmit Beamspace Design for Multi-Carrier Frequency Diverse Array Sensor. IEEE Sensors Journal, 2016, 16, 5709-5714.	4.7	51
189	Cognitive target tracking using FDA radar for increased SINR performance. , 2016, , .		3
190	Two-Dimensional Spectrum for Circular Trace Scanning SAR Based on an Implicit Function. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 887-891.	3.1	16
191	Large time-bandwidth product OFDM chirp waveform diversity using for MIMO radar. Multidimensional Systems and Signal Processing, 2016, 27, 145-158.	2.6	9
192	Dot-Shaped Range-Angle Beampattern Synthesis for Frequency Diverse Array. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1703-1706.	4.0	126
193	Moving-Target Tracking by Cognitive RF Stealth Radar Using Frequency Diverse Array Antenna. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3764-3773.	6.3	76
194	Compressive sensing-based range and angle estimation for nested FDA radar. , 2015, , .		4
195	Nested array with time-delayers for target range and angle estimation. , 2015, , .		3
196	Focusing translationalâ€variant bistatic forwardâ€looking synthetic aperture radar data using extended azimuth nonâ€linear chirp scaling algorithm. Electronics Letters, 2015, 51, 2041-2043.	1.0	1
197	Frequency Diverse Array MIMO Radar Adaptive Beamforming with Range-Dependent Interference Suppression in Target Localization. International Journal of Antennas and Propagation, 2015, 2015, 1-10.	1.2	12
198	MIMO Antennas in Radar Applications. International Journal of Antennas and Propagation, 2015, 2015, 1-2.	1.2	1

#	Article	IF	Citations
199	Frequency Diverse Array Antenna: New Opportunities. IEEE Antennas and Propagation Magazine, 2015, 57, 145-152.	1.4	180
200	Comparisons of MIMO SAR antenna arrangements in wide-swath remote sensing. , 2015, , .		0
201	Relay beamforming for multi-pair two-way MIMO relay systems with max-min fairness. , 2015, , .		2
202	Target direction-of-arrival estimation using nested frequency diverse array. , 2015, , .		0
203	Bayesian Inverse Synthetic Aperture Radar Imaging by Exploiting Sparse Probing Frequencies. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1698-1701.	4.0	15
204	Detection performance analysis of nested frequency diverse array radar. , 2015, , .		0
205	Adaptive RF stealth beamforming for frequency diverse array radar. , 2015, , .		21
206	Impaired Sensor Diagnosis, Beamforming, and DOA Estimation With Difference Co-Array Processing. IEEE Sensors Journal, 2015, 15, 3773-3780.	4.7	55
207	Optimal Frequency Diverse Subarray Design With CramÃ©r-Rao Lower Bound Minimization. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1188-1191.	4.0	37
208	Impact of frequency increment errors on frequency diverse array MIMO in adaptive beamforming and target localization. , 2015, 44, 58-67.		30
209	Carrier Frequency Synchronization in Distributed Wireless Sensor Networks. IEEE Systems Journal, 2015, 9, 703-713.	4.6	26
210	Spread Spectrum-Coded OFDM Chirp Waveform Diversity Design. IEEE Sensors Journal, 2015, 15, 5694-5700.	4.7	23
211	Multichannel SAR Using Waveform Diversity and Distinct Carrier Frequency for Ground Moving Target Indication. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5040-5051.	4.9	12
212	OFDM radar waveform design with sparse modeling and correlation optimization. , 2015, , .		0
213	Linear Frequency Diverse Array Manifold Geometry and Ambiguity Analysis. IEEE Sensors Journal, 2015, 15, 984-993.	4.7	23
214	MIMO SAR OFDM Chirp Waveform Diversity Design With Random Matrix Modulation. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1615-1625.	6.3	108
215	Transponder-Aided Joint Calibration and Synchronization Compensation for Distributed Radar Systems. PLoS ONE, 2015, 10, e0119174.	2.5	2
216	Low-Complexity Transmit Antenna Selection and Beamforming for Large-Scale MIMO Communications. International Journal of Antennas and Propagation, 2014, 2014, 1-11.	1.2	8

#	Article	IF	Citations
217	Frequency Diverse Array Radar CramÃ©r-Rao Lower Bounds for Estimating Direction, Range, and Velocity. International Journal of Antennas and Propagation, 2014, 2014, 1-15.	1.2	33
218	Adaptive Frequency Offset Selection in Frequency Diverse Array Radar. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1405-1408.	4.0	49
219	Subarray-based frequency diverse array radar for target range-angle estimation. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 3057-3067.	4.7	101
220	Truncated nuclear norm minimization for tensor completion. , 2014, , .		6
221	Range-Angle Localization of Targets by A Double-Pulse Frequency Diverse Array Radar. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 106-114.	10.8	183
222	Low peak-to-average ratio OFDM chirp waveform diversity design. , 2014, , .		0
223	Transmit Subaperturing for Range and Angle Estimation in Frequency Diverse Array Radar. IEEE Transactions on Signal Processing, 2014, 62, 2000-2011.	5.3	266
224	Integrated Wireless Sensor Systems via Near-Space and Satellite Platforms: A Review. IEEE Sensors Journal, 2014, 14, 3903-3914.	4.7	30
225	Nonuniform Frequency Diverse Array for Range-Angle Imaging of Targets. IEEE Sensors Journal, 2014, 14, 2469-2476.	4.7	101
226	ℓ<inf>1</inf>-norm based nonparametric and semiparametric approaches for robust spectral analysis. , 2014, , .		0
227	Corrections to â€œRange-Angle Dependent Transmit Beampattern Synthesis for Linear Frequency Diverse Arraysâ€•[Aug 13 4073-4081]. IEEE Transactions on Antennas and Propagation, 2014, 62, 1012-1012.	5.1	3
228	Two-Antenna SAR With Waveform Diversity for Ground Moving Target Indication. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2154-2158.	3.1	15
229	Density parameter estimation for additive Cauchy-Gaussian mixture. , 2014, , .		3
230	MIMO SAR Chirp Modulation Diversity Waveform Design. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1644-1648.	3.1	42
231	Azimuth-Variant Signal Processing in High-Altitude Platform Passive SAR with Spaceborne/Airborne Transmitter. Remote Sensing, 2013, 5, 1292-1310.	4.0	3
232	MIMO SAR imaging: Potential and challenges. IEEE Aerospace and Electronic Systems Magazine, 2013, 28, 18-23.	1.3	70
233	Large-Area Remote Sensing in High-Altitude High-Speed Platform Using MIMO SAR. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2146-2158.	4.9	32
234	Range-Angle Dependent Transmit Beampattern Synthesis for Linear Frequency Diverse Arrays. IEEE Transactions on Antennas and Propagation, 2013, 61, 4073-4081.	5.1	167

#	Article	IF	Citations
235	Mitigating Range Ambiguities in High-PRF SAR With OFDM Waveform Diversity. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 101-105.	3.1	95
236	Phased-MIMO Radar With Frequency Diversity for Range-Dependent Beamforming. IEEE Sensors Journal, 2013, 13, 1320-1328.	4.7	112
237	Wide-swath SAR remote sensing using a multiaperture antenna with waveform diversity. International Journal of Remote Sensing, 2013, 34, 4142-4155.	2.9	2
238	Two-dimensional imaging of targets by stationary frequency diverse array. Remote Sensing Letters, 2013, 4, 1067-1076.	1.4	10
239	Detecting and Mitigating Wind Turbine Clutter for Airspace Radar Systems. Scientific World Journal, The, 2013, 2013, 1-8.	2.1	8
240	Performance Prediction of a Synchronization Link for Distributed Aerospace Wireless Systems. Scientific World Journal, The, 2013, 2013, 1-8.	2.1	1
241	Measurement of Baseline and Orientation between Distributed Aerospace Platforms. Scientific World Journal, The, 2013, 2013, 1-8.	2.1	0
242	MIMO Antenna Array Design with Polynomial Factorization. International Journal of Antennas and Propagation, 2013, 2013, 1-9.	1.2	8
243	SUPPRESSING PHASE LOCKED LOOP GAIN FLUCTUATIONS IN WIDEBAND LINEARLY FREQUENCY MODULATED WAVEFORM SYNTHESIZERS. Fluctuation and Noise Letters, 2012, 11, 1250011.	1.5	0
244	Phased-MIMO radar with frequency diversity for increased system flexibility. , 2012, , .		3
245	Ground moving target imaging by hybrid phased-array MIMO SAR. , 2012, , .		2
246	MIMO SAR using Chirp Diverse Waveform for Wide-Swath Remote Sensing. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 3171-3185.	4.7	47
247	OFDM waveform diversity design for MIMO SAR imaging. , 2012, , .		6
248	A Flexible Phased-MIMO Array Antenna with Transmit Beamforming. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	1.2	29
249	Range-Angle-Dependent Beamforming by Frequency Diverse Array Antenna. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	1.2	40
250	Virtual Antenna Array Analysis for MIMO Synthetic Aperture Radars. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	1.2	52
251	Regional remote sensing by near-space vehicle-borne passive radar system. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 69, 29-36.	11.1	3
252	Near-Space Vehicle-Borne SAR With Reflector Antenna for High-Resolution and Wide-Swath Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 338-348.	6.3	49

#	Article	IF	Citations
253	An Orthogonal Frequency Division Multiplexing Radar Waveform with a Large Time-bandwidth Product. Defence Science Journal, 2012, 62, 427-430.	0.8	6
254	Spaceâ€“Time Coding MIMO-OFDM SAR for High-Resolution Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3094-3104.	6.3	150
255	Performance analysis of near-space vehicle-borne millimeterwave radiometer. , 2011, , .		0
256	Near-Space Microwave Radar Remote Sensing: Potentials and Challenge Analysis. Remote Sensing, 2010, 2, 717-739.	4.0	24
257	LFMCW SAR waveform generation with frequency nonlinearity suppression. , 2010, , .		2
258	Antenna Directing Synchronization for Bistatic Synthetic Aperture Radar Systems. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 307-310.	4.0	11
259	Regularization parameter selection for electrical impedance tomography measurement. , 2009, , .		0
260	Waveform-Diversity-Based Millimeter-Wave UAV SAR Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 691-700.	6.3	60
261	Conceptual design of near-space synthetic aperture radar for high-resolution and wide-swath imaging. Aerospace Science and Technology, 2009, 13, 340-347.	4.8	12
262	Diversified MIMO SAR waveform analysis and generation. , 2009, , .		5
263	Near-Space Wide-Swath Radar Imaging With Multiaperture Antenna. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 461-464.	4.0	29
264	GPS-Based Time & Phase Synchronization Processing for Distributed SAR. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 1040-1051.	4.7	101
265	Models and Signal Processing for Millimeter-Wave LFMCW SAR Imaging. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	3
266	Baseline Estimation in Distributed Spaceborne Interferometry SAR Systems. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	1
267	Inflight Antenna Pattern Measurement for Bistatic Synthetic Aperture Radar Systems. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 432-435.	4.0	6
268	CLOCK TIMING JITTER ANALYSIS AND COMPENSATION FOR BISTATIC SYNTHETIC APERTURE RADAR SYSTEMS. Fluctuation and Noise Letters, 2007, 07, L341-L350.	1.5	8
269	A Technique for Jamming Bi- and Multistatic SAR Systems. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 80-82.	3.1	58
270	Application of Near-Space Passive Radar for Homeland Security. Sensing and Imaging, 2007, 8, 39-52.	1.5	23

#	Article	IF	Citations
271	An Approach of Developing High Performance Millimeter-wave Frequency Synthesizer. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 931-940.	0.6	11
272	ANALYSIS OF WAVEFORM ERRORS IN MILLIMETER-WAVE LFMCW SYNTHETIC APERTURE RADAR. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 1433-1444.	0.6	9
273	ANALYTICAL MODELING AND SIMULATION OF PHASE NOISE IN BISTATIC SYNTHETIC APERTURE RADAR SYSTEMS. Fluctuation and Noise Letters, 2006, 06, L297-L303.	1.5	15
274	Detection performance of airborne FDA-MIMO radar under non-IID RCS scenario. International Journal of Electronics Letters, 0, , 1-12.	1.2	1
275	Physical-layer security with frequency diverse array for DF multi-antenna relaying SWIPT system. International Journal of Electronics Letters, 0, , 1-9.	1.2	1