

Wen-Qin Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9320174/publications.pdf>

Version: 2024-02-01

275
papers

6,914
citations

50170

46
h-index

85405

71
g-index

279
all docs

279
docs citations

279
times ranked

2450
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmit Subaperturing for Range and Angle Estimation in Frequency Diverse Array Radar. IEEE Transactions on Signal Processing, 2014, 62, 2000-2011.	3.2	266
2	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.	3.2	197
3	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.	7.3	183
4	An Overview on Time/Frequency Modulated Array Processing. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 228-246.	7.3	182
5	Frequency Diverse Array Antenna: New Opportunities. IEEE Antennas and Propagation Magazine, 2015, 57, 145-152.	1.2	180
6	Range-Angle Dependent Transmit Beampattern Synthesis for Linear Frequency Diverse Arrays. IEEE Transactions on Antennas and Propagation, 2013, 61, 4073-4081.	3.1	167
7	Space-Time Coding MIMO-OFDM SAR for High-Resolution Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3094-3104.	2.7	150
8	Overview of frequency diverse array in radar and navigation applications. IET Radar, Sonar and Navigation, 2016, 10, 1001-1012.	0.9	143
9	FDA-MIMO Radar Range-Angle Estimation: CRLB, MSE, and Resolution Analysis. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 284-294.	2.6	135
10	Dot-Shaped Range-Angle Beampattern Synthesis for Frequency Diverse Array. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1703-1706.	2.4	126
11	Phased-MIMO Radar With Frequency Diversity for Range-Dependent Beamforming. IEEE Sensors Journal, 2013, 13, 1320-1328.	2.4	112
12	Frequency Diverse Array Transmit Beampattern Optimization With Genetic Algorithm. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 469-472.	2.4	110
13	MIMO SAR OFDM Chirp Waveform Diversity Design With Random Matrix Modulation. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1615-1625.	2.7	108
14	GPS-Based Time & Phase Synchronization Processing for Distributed SAR. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 1040-1051.	2.6	101
15	Subarray-based frequency diverse array radar for target range-angle estimation. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 3057-3067.	2.6	101
16	Nonuniform Frequency Diverse Array for Range-Angle Imaging of Targets. IEEE Sensors Journal, 2014, 14, 2469-2476.	2.4	101
17	Sparsity-aware transmit beamspace design for FDA-MIMO radar. Signal Processing, 2018, 144, 99-103.	2.1	98
18	Mitigating Range Ambiguities in High-PRF SAR With OFDM Waveform Diversity. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 101-105.	1.4	95

#	ARTICLE	IF	CITATIONS
19	Coherent Pulsed-FDA Radar Receiver Design With Time-Variance Consideration: SINR and CRB Analysis. IEEE Transactions on Signal Processing, 2018, 66, 200-214.	3.2	95
20	Decoupled frequency diverse array range- and angle-dependent beam pattern synthesis using non-linearly increasing frequency offsets. IET Microwaves, Antennas and Propagation, 2016, 10, 880-884.	0.7	83
21	Covariance Matrix Reconstruction With Interference Steering Vector and Power Estimation for Robust Adaptive Beamforming. IEEE Transactions on Vehicular Technology, 2018, 67, 8495-8503.	3.9	82
22	Direction-of-Arrival Estimation of Coherent Signals via Coprime Array Interpolation. IEEE Signal Processing Letters, 2020, 27, 585-589.	2.1	82
23	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.	3.9	77
24	Moving-Target Tracking by Cognitive RF Stealth Radar Using Frequency Diverse Array Antenna. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3764-3773.	2.7	76
25	Localization of Mixed Near-Field and Far-Field Sources Using Symmetric Double-Nested Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 7059-7070.	3.1	75
26	MIMO SAR imaging: Potential and challenges. IEEE Aerospace and Electronic Systems Magazine, 2013, 28, 18-23.	2.3	70
27	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.	4.5	62
28	Waveform-Diversity-Based Millimeter-Wave UAV SAR Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 691-700.	2.7	60
29	Frequency Diverse Array Beam Pattern Synthesis Using Symmetrical Logarithmic Frequency Offsets for Target Indication. IEEE Transactions on Antennas and Propagation, 2019, 67, 3505-3509.	3.1	59
30	Robust Adaptive Beamforming via Simplified Interference Power Estimation. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3139-3152.	2.6	59
31	Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray. IEEE Transactions on Signal Processing, 2021, 69, 5345-5358.	3.2	59
32	A Technique for Jamming Bi- and Multistatic SAR Systems. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 80-82.	1.4	58
33	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.	9.7	58
34	Impaired Sensor Diagnosis, Beamforming, and DOA Estimation With Difference Co-Array Processing. IEEE Sensors Journal, 2015, 15, 3773-3780.	2.4	55
35	Robust adaptive beamforming via coprime coarray interpolation. Signal Processing, 2020, 169, 107382.	2.1	55
36	Symmetric Displaced Coprime Array Configurations for Mixed Near- and Far-Field Source Localization. IEEE Transactions on Antennas and Propagation, 2021, 69, 465-477.	3.1	55

#	ARTICLE	IF	CITATIONS
37	Multi-Feature Fusion and Enhancement Single Shot Detector for Traffic Sign Recognition. IEEE Access, 2020, 8, 38931-38940.	2.6	54
38	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.	7.3	53
39	Virtual Antenna Array Analysis for MIMO Synthetic Aperture Radars. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	0.7	52
40	Mixed far-field and near-field source localization based on subarray cross-cumulant. Signal Processing, 2018, 150, 51-56.	2.1	52
41	Transmit Beam-space Design for Multi-Carrier Frequency Diverse Array Sensor. IEEE Sensors Journal, 2016, 16, 5709-5714.	2.4	51
42	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.	2.7	49
43	Adaptive Frequency Offset Selection in Frequency Diverse Array Radar. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1405-1408.	2.4	49
44	DM using FDA antenna for secure transmission. IET Microwaves, Antennas and Propagation, 2017, 11, 336-345.	0.7	48
45	MIMO SAR using Chirp Diverse Waveform for Wide-Swath Remote Sensing. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 3171-3185.	2.6	47
46	Robust Adaptive Beamforming Against Mutual Coupling Based on Mutual Coupling Coefficients Estimation. IEEE Transactions on Vehicular Technology, 2017, 66, 9124-9133.	3.9	46
47	Classification and localization of mixed near-field and far-field sources using mixed-order statistics. Signal Processing, 2018, 143, 134-139.	2.1	45
48	A Lightweight Faster R-CNN for Ship Detection in SAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	44
49	MIMO SAR Chirp Modulation Diversity Waveform Design. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1644-1648.	1.4	42
50	Range-Angle-Dependent Beamforming by Frequency Diverse Array Antenna. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	0.7	40
51	Frequency Diverse Array Beampattern Synthesis With Taylor Windowed Frequency Offsets. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1901-1905.	2.4	40
52	Time-Modulated FD-MIMO Array for Integrated Radar and Communication Systems. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1015-1019.	2.4	38
53	Optimal Frequency Diverse Subarray Design With Cram�r-Rao Lower Bound Minimization. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1188-1191.	2.4	37
54	Broadband Electronically Scanned Reflectarray Antenna With Liquid Crystals. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 396-400.	2.4	36

#	ARTICLE	IF	CITATIONS
55	Cognitive frequency diverse array radar with situational awareness. IET Radar, Sonar and Navigation, 2016, 10, 359-369.	0.9	35
56	Directional Modulation Using Frequency Diverse Array For Secure Communications. Wireless Personal Communications, 2017, 95, 2679-2689.	1.8	35
57	Localization of Mixed Far-Field and Near-Field Sources via Cumulant Matrix Reconstruction. IEEE Sensors Journal, 2018, 18, 7671-7680.	2.4	34
58	Frequency Diverse Array Radar Cram�r-Rao Lower Bounds for Estimating Direction, Range, and Velocity. International Journal of Antennas and Propagation, 2014, 2014, 1-15.	0.7	33
59	Tensor Decomposition and PCA Jointed Algorithm for Hyperspectral Image Denoising. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 897-901.	1.4	33
60	Retrodirective Frequency Diverse Array Focusing for Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2019, 37, 61-73.	9.7	33
61	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.	2.3	32
62	Search-Free DOD, DOA and Range Estimation for Bistatic FDA-MIMO Radar. IEEE Access, 2018, 6, 15431-15445.	2.6	32
63	Coarray Interpolation for DOA Estimation Using Coprime EMVS Array. IEEE Signal Processing Letters, 2021, 28, 548-552.	2.1	31
64	Integrated Wireless Sensor Systems via Near-Space and Satellite Platforms: A Review. IEEE Sensors Journal, 2014, 14, 3903-3914.	2.4	30
65	Impact of frequency increment errors on frequency diverse array MIMO in adaptive beamforming and target localization. , 2015, 44, 58-67.		30
66	Two-stage ESPRIT for unambiguous angle and range estimation in FDA-MIMO radar. , 2019, 92, 151-165.		30
67	A Novel Approach for Spaceborne SAR Scattered-Wave Deception Jamming Using Frequency Diverse Array. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1568-1572.	1.4	30
68	Near-Space Wide-Swath Radar Imaging With Multiaperture Antenna. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 461-464.	2.4	29
69	A Flexible Phased-MIMO Array Antenna with Transmit Beamforming. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	0.7	29
70	Carrier Frequency Synchronization in Distributed Wireless Sensor Networks. IEEE Systems Journal, 2015, 9, 703-713.	2.9	26
71	On Physical-Layer Security of FDA Communications Over Rayleigh Fading Channels. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 476-490.	4.9	26
72	FDA radar with doppler-spreading consideration: Mainlobe clutter suppression for blind-doppler target detection. Signal Processing, 2021, 179, 107773.	2.1	26

#	ARTICLE	IF	CITATIONS
73	Near-Space Microwave Radar Remote Sensing: Potentials and Challenge Analysis. Remote Sensing, 2010, 2, 717-739.	1.8	24
74	Cognitive FDA-MIMO radar for LPI transmit beamforming. IET Radar, Sonar and Navigation, 2017, 11, 1574-1580.	0.9	24
75	Localization Performance Analysis of FDA Radar Receiver With Two-Stage Estimator. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2873-2887.	2.6	24
76	Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami- m Fading. IEEE Wireless Communications Letters, 2018, 7, 1034-1037.	3.2	24
77	General receiver design for FDA radar. , 2018, , .		24
78	Time-Modulated OFDM Directional Modulation Transmitters. IEEE Transactions on Vehicular Technology, 2019, 68, 8249-8253.	3.9	24
79	Application of Near-Space Passive Radar for Homeland Security. Sensing and Imaging, 2007, 8, 39-52.	1.0	23
80	Spread Spectrum-Coded OFDM Chirp Waveform Diversity Design. IEEE Sensors Journal, 2015, 15, 5694-5700.	2.4	23
81	Linear Frequency Diverse Array Manifold Geometry and Ambiguity Analysis. IEEE Sensors Journal, 2015, 15, 984-993.	2.4	23
82	Secure directional modulation using frequency diverse array antenna. , 2017, , .		23
83	Carrier Frequency and DOA Estimation of Sub-Nyquist Sampling Multi-Band Sensor Signals. IEEE Sensors Journal, 2017, 17, 7470-7478.	2.4	23
84	Potential transmit beamforming schemes for active LPI radars. IEEE Aerospace and Electronic Systems Magazine, 2017, 32, 46-52.	2.3	23
85	Spatial Smoothing PAST Algorithm for DOA Tracking Using Difference Coarray. IEEE Signal Processing Letters, 2019, 26, 1623-1627.	2.1	23
86	Nested array receiver with time-delayers for joint target range and angle estimation. IET Radar, Sonar and Navigation, 2016, 10, 1384-1393.	0.9	22
87	Introduction to the Special Issue on Time/Frequency Modulated Array Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 225-227.	7.3	22
88	Range-Dependent Spatial Modulation Using Frequency Diverse Array for OFDM Wireless Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 10886-10895.	3.9	22
89	Adaptive RF stealth beamforming for frequency diverse array radar. , 2015, , .		21
90	Adaptive Moving Target Detection Without Training Data for FDA-MIMO Radar. IEEE Transactions on Vehicular Technology, 2022, 71, 220-232.	3.9	21

#	ARTICLE	IF	CITATIONS
91	Frequency diverse array and MIMO hybrid radar transmitter design via Cram�r Rao lower bound minimisation. IET Radar, Sonar and Navigation, 2016, 10, 1660-1670.	0.9	20
92	Dual-function FDA MIMO radar-communications system employing costas signal waveforms. , 2018, , .		20
93	Range-Angle-Dependent Beampattern Synthesis With Null Depth Control for Joint Radar Communication. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1741-1745.	2.4	20
94	Ergodic Interference Alignment for Spectrum Sharing Radar-Communication Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9785-9796.	3.9	20
95	Adaptive transmit array sidelobe control using FDA-MIMO for tracking in joint radar-communications. , 2020, 97, 102619.		20
96	Transmit beamspace design for FDA�MIMO radar with alternating direction method of multipliers. Signal Processing, 2021, 180, 107832.	2.1	20
97	Range-azimuth decouple beamforming for frequency diverse array with Costas-sequence modulated frequency offsets. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.0	19
98	Joint Sparsity-Based Range-Angle-Dependent Beampattern Synthesis for Frequency Diverse Array. IEEE Access, 2017, 5, 15152-15161.	2.6	19
99	Low-complexity GLRT for FDA radar without training data. , 2020, 107, 102861.		19
100	Time-invariant transmit beampattern synthesis via weight design for FDA radar. , 2016, , .		18
101	Three-Dimensional Microwave Imaging for Concealed Weapon Detection Using Range Stacking Technique. International Journal of Antennas and Propagation, 2017, 2017, 1-11.	0.7	18
102	FDA Radar Ambiguity Function Characteristics Analysis and Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1368-1380.	2.6	18
103	Communication�embedded OFDM chirp waveform for delay�Doppler radar. IET Radar, Sonar and Navigation, 2018, 12, 353-360.	0.9	18
104	Range-Angle Localization of Targets With Planar Frequency Diverse Subaperturing MIMO Radar. IEEE Access, 2018, 6, 12505-12517.	2.6	18
105	Robust DOA Estimation Against Mutual Coupling With Nested Array. IEEE Signal Processing Letters, 2020, 27, 1360-1364.	2.1	18
106	FDA radar using Costas sequence modulated frequency increments. , 2016, , .		17
107	FDA-MIMO Signal Processing for Mainlobe Jammer Suppression. , 2019, , .		17
108	Multi-Scene Deception Jamming on SAR Imaging With FDA Antenna. IEEE Access, 2020, 8, 7058-7069.	2.6	17

#	ARTICLE	IF	CITATIONS
109	A Low Sidelobe Deceptive Jamming Suppression Beamforming Method With a Frequency Diverse Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 4884-4889.	3.1	17
110	Two-Dimensional Spectrum for Circular Trace Scanning SAR Based on an Implicit Function. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 887-891.	1.4	16
111	Time-Modulated FDA for physical-layer security. IET Microwaves, Antennas and Propagation, 2017, 11, 1274-1279.	0.7	16
112	Ultrawideband Frequency-Diverse Array Antennas: Range-Dependent and Autoscanning Beampattern Applications. IEEE Antennas and Propagation Magazine, 2018, 60, 48-56.	1.2	16
113	Robust adaptive beamforming using a novel signal power estimation algorithm. , 2019, 95, 102574.		16
114	Computational Efficient DOA, DOD, and Doppler Estimation Algorithm for MIMO Radar. IEEE Signal Processing Letters, 2019, 26, 44-48.	2.1	16
115	ANALYTICAL MODELING AND SIMULATION OF PHASE NOISE IN BISTATIC SYNTHETIC APERTURE RADAR SYSTEMS. Fluctuation and Noise Letters, 2006, 06, L297-L303.	1.0	15
116	Two-Antenna SAR With Waveform Diversity for Ground Moving Target Indication. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2154-2158.	1.4	15
117	Bayesian Inverse Synthetic Aperture Radar Imaging by Exploiting Sparse Probing Frequencies. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1698-1701.	2.4	15
118	Cognitive FDA-MIMO With Channel Uncertainty Information for Target Tracking. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 963-975.	4.9	15
119	Antenna Beampattern With Range Null Control Using Weighted Frequency Diverse Array. IEEE Access, 2020, 8, 50107-50117.	2.6	15
120	FDA-Based Space-Time-Frequency Deceptive Jamming Against SAR Imaging. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2127-2140.	2.6	15
121	Covariance Matrix Estimation for FDA-MIMO Adaptive Transmit Power Allocation. IEEE Transactions on Signal Processing, 2022, 70, 3386-3399.	3.2	15
122	Deceptive Jamming on Space-Borne Sar Using Frequency Diverse Array. , 2018, , .		14
123	Liquid Crystal-Based Wideband Reconfigurable Leaky Wave X-Band Antenna. IEEE Access, 2019, 7, 127320-127326.	2.6	14
124	LPI Property of FDA Transmitted Signal. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3905-3915.	2.6	14
125	DOA Estimation of Coherent Sources Using Coprime Array via Atomic Norm Minimization. IEEE Signal Processing Letters, 2022, 29, 1312-1316.	2.1	14
126	An efficient method for angular parameter estimation of incoherently distributed sources via beamspace shift invariance. , 2018, 83, 261-270.		13

#	ARTICLE	IF	CITATIONS
127	Active Frequency Diverse Array Counteracting Interferometry-Based DOA Reconnaissance. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1922-1925.	2.4	13
128	Joint Two-Dimensional Deception Countering ISAR via Frequency Diverse Array. IEEE Signal Processing Letters, 2021, 28, 773-777.	2.1	13
129	Conceptual design of near-space synthetic aperture radar for high-resolution and wide-swath imaging. Aerospace Science and Technology, 2009, 13, 340-347.	2.5	12
130	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.	0.7	12
131	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.	2.3	12
132	Two-dimensional direction estimation of multiple signals using two parallel sparse linear arrays. Signal Processing, 2018, 143, 112-121.	2.1	12
133	OFDM chirp radar for adaptive target detection in low grazing angle. IET Signal Processing, 2018, 12, 613-619.	0.9	12
134	An Approach of Developing High Performance Millimeter-wave Frequency Synthesizer. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 931-940.	0.6	11
135	Antenna Directing Synchronization for Bistatic Synthetic Aperture Radar Systems. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 307-310.	2.4	11
136	Space-Time Modulated Wideband Array Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1081-1085.	2.4	11
137	Physical-Layer Security for Frequency Diverse Array Communication System Over Nakagami- m Fading Channels. IEEE Systems Journal, 2020, 14, 2370-2381.	2.9	11
138	Ambient Backscatter Communication With Frequency Diverse Array for Enhanced Channel Capacity and Detection Performance. IEEE Sensors Journal, 2020, 20, 10876-10885.	2.4	11
139	Automatic modulation recognition based on mixed-type features. International Journal of Electronics, 2021, 108, 105-114.	0.9	11
140	Sparse Array Beamforming Design for Coherently Distributed Sources. IEEE Transactions on Antennas and Propagation, 2021, 69, 2628-2636.	3.1	11
141	Target localization in distributed MIMO radars via improved semidefinite relaxation. Journal of the Franklin Institute, 2021, 358, 5588-5598.	1.9	11
142	FDA Based QSM for mmWave Wireless Communications: Frequency Diverse Transmitter and Reduced Complexity Receiver. IEEE Transactions on Wireless Communications, 2021, 20, 4571-4584.	6.1	11
143	Generalized Ambiguity Function for FDA Radar Joint Range, Angle and Doppler Resolution Evaluation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	11
144	Two-dimensional imaging of targets by stationary frequency diverse array. Remote Sensing Letters, 2013, 4, 1067-1076.	0.6	10

#	ARTICLE	IF	CITATIONS
145	Forward-looking SAR imaging with frequency diverse array antenna. , 2016, , .		10
146	Generalized Linear Frequency Diverse Array Manifold Curve Analysis. IEEE Signal Processing Letters, 2018, 25, 768-772.	2.1	10
147	Integrated Communication and Localization System With OFDM-Chirp Waveform. IEEE Systems Journal, 2020, 14, 2464-2472.	2.9	10
148	2-D DOA Estimation for Nested Conformal Arrays via Sparse Reconstruction. IEEE Communications Letters, 2021, 25, 980-984.	2.5	10
149	Cognitive FDA radar transmit power allocation for target tracking in spectrally dense scenario. Signal Processing, 2021, 183, 108006.	2.1	10
150	Bayesian Detection in Gaussian Clutter for FDA-MIMO Radar. IEEE Transactions on Vehicular Technology, 2022, 71, 2655-2667.	3.9	10
151	ANALYSIS OF WAVEFORM ERRORS IN MILLIMETER-WAVE LFM CW SYNTHETIC APERTURE RADAR. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 1433-1444.	0.6	9
152	Large time-bandwidth product OFDM chirp waveform diversity using for MIMO radar. Multidimensional Systems and Signal Processing, 2016, 27, 145-158.	1.7	9
153	MIMO radar OFDM chirp waveform diversity design with sparse modeling and joint optimization. Multidimensional Systems and Signal Processing, 2017, 28, 237-249.	1.7	9
154	Sparse reconstruction-based beam pattern synthesis for multi-carrier frequency diverse array antenna. , 2017, , .		9
155	Source localization using TDOA and FDOA measurements based on semidefinite programming and reformulation linearization. Journal of the Franklin Institute, 2019, 356, 11817-11838.	1.9	9
156	DOA estimation and tracking for FDA-MIMO radar signal. , 2020, 106, 102858.		9
157	Sparse Array Design for Adaptive Beamforming via Semidefinite Relaxation. IEEE Signal Processing Letters, 2020, 27, 925-929.	2.1	9
158	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.	2.6	9
159	CLOCK TIMING JITTER ANALYSIS AND COMPENSATION FOR BISTATIC SYNTHETIC APERTURE RADAR SYSTEMS. Fluctuation and Noise Letters, 2007, 07, L341-L350.	1.0	8
160	Detecting and Mitigating Wind Turbine Clutter for Airspace Radar Systems. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	8
161	MIMO Antenna Array Design with Polynomial Factorization. International Journal of Antennas and Propagation, 2013, 2013, 1-9.	0.7	8
162	Low-Complexity Transmit Antenna Selection and Beamforming for Large-Scale MIMO Communications. International Journal of Antennas and Propagation, 2014, 2014, 1-11.	0.7	8

#	ARTICLE	IF	CITATIONS
163	FDS-MIMO Radar Low-Altitude Beam Coverage Performance Analysis and Optimization. IEEE Transactions on Signal Processing, 2018, 66, 2494-2506.	3.2	8
164	Symmetrical logarithmic frequency diverse array for target imaging. , 2018, , .		8
165	Statistical Analysis for Time Modulation-Based Frequency Diverse Array Beampattern. IEEE Access, 2019, 7, 84142-84154.	2.6	8
166	Calibrating Nonuniform Linear Arrays With Model Errors Using a Source at Unknown Location. IEEE Communications Letters, 2020, 24, 2917-2921.	2.5	8
167	Detecting High-Speed Maneuvering Targets by Exploiting Range-Doppler Relationship for LFM Radar. IEEE Transactions on Vehicular Technology, 2021, 70, 2209-2218.	3.9	8
168	Joint Range, Angle and Doppler Estimation for FDA-MIMO Radar. , 2018, , .		7
169	Adaptive transmit beamspace design for cognitive FDA radar tracking. IET Radar, Sonar and Navigation, 2019, 13, 2083-2092.	0.9	7
170	Two-dimensional direction-of-arrival estimation for cylindrical nested conformal arrays. Signal Processing, 2021, 179, 107838.	2.1	7
171	Resolving Doppler Ambiguity of High-Speed Moving Targets via FDA-MIMO Radar. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	7
172	Inflight Antenna Pattern Measurement for Bistatic Synthetic Aperture Radar Systems. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 432-435.	2.4	6
173	OFDM waveform diversity design for MIMO SAR imaging. , 2012, , .		6
174	Truncated nuclear norm minimization for tensor completion. , 2014, , .		6
175	Sparse reconstruction-based angle-range-polarization-dependent beamforming with polarization sensitive frequency diverse array. , 2016, , .		6
176	Frequency diverse array radar in counteracting mainlobe jamming signals. , 2017, , .		6
177	OFDM chirp waveform diversity for co-designed radar-communication system. , 2017, , .		6
178	Nested Array Sensor With Grating Lobe Suppression and Arbitrary Transmit"Receive Beampattern Synthesis. IEEE Access, 2018, 6, 9227-9237.	2.6	6
179	Experimental Demonstration of FTN-NRZ, PAM-4, and Duobinary Based on 10-Gbps Optics in 100G-EPON. IEEE Photonics Journal, 2018, 10, 1-13.	1.0	6
180	Joint Precoding Spatial and Rotating Symbol Modulation for Physical-Layer Security. IEEE Communications Letters, 2019, 23, 2150-2153.	2.5	6

#	ARTICLE	IF	CITATIONS
181	Millimeter-Wave Broadband Tunable Band-Pass Filter Based on Liquid Crystal Materials. IEEE Access, 2020, 8, 1339-1346.	2.6	6
182	Joint Spatial-Spectral Smoothing in a Minimum-Volume Simplex for Hyperspectral Image Super-Resolution. Applied Sciences (Switzerland), 2020, 10, 237.	1.3	6
183	Robust and Efficient Adaptive Beamforming Using Nested Subarray Principles. IEEE Access, 2020, 8, 4076-4085.	2.6	6
184	Interference Utilization for Spectrum Sharing Radar-Communication Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 8304-8308.	3.9	6
185	An Orthogonal Frequency Division Multiplexing Radar Waveform with a Large Time-bandwidth Product. Defence Science Journal, 2012, 62, 427-430.	0.5	6
186	Adaptive Detection With Bayesian Framework for FDA-MIMO Radar. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	6
187	Frequency Diverse Array Introduced Into SAR GMTI to Mitigate Blind Velocity and Doppler Ambiguity. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	6
188	Diversified MIMO SAR waveform analysis and generation. , 2009, , .		5
189	On FDA RF localization deception under sum difference beam reconnaissance. , 2018, , .		5
190	Ambiguity Function-Based ESPRIT Algorithm for FDA-MIMO Radar Target Localization. , 2020, , .		5
191	Source localisation using TDOA and FDOA measurements under unknown noise power knowledge. IET Signal Processing, 2020, 14, 435-439.	0.9	5
192	Compressive sensing-based range and angle estimation for nested FDA radar. , 2015, , .		4
193	Bayesian information criterion for multidimensional sinusoidal order selection. , 2017, , .		4
194	Temporal Focusing Effects of Time-Reversal Frequency Diverse Array Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1858-1862.	2.4	4
195	Information geometry resolution optimization for frequency diverse array in DOA estimation. Signal Processing, 2020, 169, 107376.	2.1	4
196	Range-ambiguous clutter characteristics in airborne FDA radar. Signal Processing, 2020, 170, 107407.	2.1	4
197	Manifold Sensitivity Analysis of Frequency Diverse Array. IEEE Signal Processing Letters, 2020, 27, 1020-1024.	2.1	4
198	2-D Moving Target Deception Against Multichannel SAR-GMTI Using Frequency Diverse Array. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4

#	ARTICLE	IF	CITATIONS
199	FDA-MIMO radar covariance matrix estimation via shrinkage processing. , 2021, 118, 103206.		4
200	Focusing of Spaceborne SAR Data Using the Improved Nonlinear Chirp Scaling Algorithm. , 2020, , .		4
201	Adaptive Transmit Power Allocation for FDA Radar With Spectral Interference Avoidance. , 2020, , .		4
202	DOA Estimation Using Coprime Array in the Presence of Unknown Nonuniform Noise. Circuits, Systems, and Signal Processing, 2022, 41, 3000-3010.	1.2	4
203	Radar Cross Section Characterization of Frequency Diverse Array Radar. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 460-471.	2.6	4
204	Models and Signal Processing for Millimeter-Wave LFM CW SAR Imaging. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	3
205	Phased-MIMO radar with frequency diversity for increased system flexibility. , 2012, , .		3
206	Regional remote sensing by near-space vehicle-borne passive radar system. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 69, 29-36.	4.9	3
207	Azimuth-Variant Signal Processing in High-Altitude Platform Passive SAR with Spaceborne/Airborne Transmitter. Remote Sensing, 2013, 5, 1292-1310.	1.8	3
208	Corrections to "Range-Angle Dependent Transmit Beampattern Synthesis for Linear Frequency Diverse Arrays" [Aug 13 4073-4081]. IEEE Transactions on Antennas and Propagation, 2014, 62, 1012-1012.	3.1	3
209	Density parameter estimation for additive Cauchy-Gaussian mixture. , 2014, , .		3
210	Nested array with time-delayers for target range and angle estimation. , 2015, , .		3
211	A modified PGA motion compensation method for circular trace scanning SAR. , 2016, , .		3
212	Cognitive target tracking using FDA radar for increased SINR performance. , 2016, , .		3
213	Highly Squinted Imaging for Diving SAR with 3-Dacceleration. , 2018, , .		3
214	Directional Radar-Embedded Communications Based on Hybrid MIMO and Frequency Diverse Arrays. , 2019, , .		3
215	A modified Omega-K algorithm for squint circular trace scanning SAR using improved range model. Signal Processing, 2019, 160, 59-65.	2.1	3
216	Fast Implementation of Generalized Radon-Fourier Transform. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3758-3767.	2.6	3

#	ARTICLE	IF	CITATIONS
217	Analysis of beam pattern dwell time for planar frequency diverse array. IET Signal Processing, 2021, 15, 40-45.	0.9	3
218	On RF localisation deception capability of FDA signal under interferometry reconnaissance. Journal of Engineering, 2019, 2019, 6695-6698.	0.6	3
219	LFMCW SAR waveform generation with frequency nonlinearity suppression. , 2010, , .		2
220	Ground moving target imaging by hybrid phased-array MIMO SAR. , 2012, , .		2
221	Wide-swath SAR remote sensing using a multiaperture antenna with waveform diversity. International Journal of Remote Sensing, 2013, 34, 4142-4155.	1.3	2
222	Relay beamforming for multi-pair two-way MIMO relay systems with max-min fairness. , 2015, , .		2
223	Simultaneous SAR imaging and GMTI by fractional Fourier transform processing. , 2016, , .		2
224	Constant modulus waveforms with restraining spectral interferences for cognitive MIMO radar. , 2017, , .		2
225	Impaired Array Diagnosis and Mitigation With Khatri-Rao Processing. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2354-2358.	2.4	2
226	Manifold studies of FDA geometries for joint angle and range estimation. Signal Processing, 2020, 170, 107438.	2.1	2
227	Joint admission control and beamforming in max-min fairness networks. IET Communications, 2019, 13, 1953-1961.	1.5	2
228	Transponder-Aided Joint Calibration and Synchronization Compensation for Distributed Radar Systems. PLoS ONE, 2015, 10, e0119174.	1.1	2
229	Frequency Diverse Array Design for Deceptive Jamming Suppression Using Particle Swarm Optimization. , 2021, , .		2
230	Pattern synthesis for uniform linear array using genetic algorithm and artificial neural network. Multidimensional Systems and Signal Processing, 2022, 33, 263-273.	1.7	2
231	Synthesis of Subarrayed Large Linear Arrays by a Hybrid Genetic Algorithm Integrated with Convex Programming. Circuits, Systems, and Signal Processing, 2022, 41, 5903-5913.	1.2	2
232	Baseline Estimation in Distributed Spaceborne Interferometry SAR Systems. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	1
233	Performance Prediction of a Synchronization Link for Distributed Aerospace Wireless Systems. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	1
234	Focusing translational-variant bistatic forward-looking synthetic aperture radar data using extended azimuth non-linear chirp scaling algorithm. Electronics Letters, 2015, 51, 2041-2043.	0.5	1

#	ARTICLE	IF	CITATIONS
235	MIMO Antennas in Radar Applications. International Journal of Antennas and Propagation, 2015, 2015, 1-2.	0.7	1
236	Direction-of-arrival estimation for coherent sources via sparse Bayesian learning. , 2016, , .		1
237	Receiver disposition optimization in distributed passive radar imaging. , 2016, , .		1
238	Optimization of frequency increments via CRLB minimization for frequency diverse array. , 2017, , .		1
239	Homogeneously Distributed Multiple False Targets Jamming Using Frequency Diverse Array. , 2018, , .		1
240	Moving Target Detection and Imaging for Geosynchronous SAR. , 2018, , .		1
241	Experimental demonstration of 25-Gb/s downstream transmission using 10-Gbps optics for next-generation PONs. Optics Communications, 2018, 427, 209-214.	1.0	1
242	Resolution threshold of music algorithm for FDA-MIMO Radar. , 2018, , .		1
243	High-Precision Imaging Algorithm for Highly Squinted SAR With 3D Acceleration. IEEE Access, 2019, 7, 130399-130409.	2.6	1
244	Learning Laplacian Matrix for Smooth Signals on Graph. , 2019, , .		1
245	Frequency Diverse Array Focusing Beampattern Synthesis With Constrained Nonlinear Programming Frequency Offsets. , 2019, , .		1
246	Performance Prediction of FDA-MIMO Radar Detector. , 2020, , .		1
247	Target Reflectivity Characterization for FDA Radar. , 2020, , .		1
248	Detection performance of airborne FDA-MIMO radar under non-IID RCS scenario. International Journal of Electronics Letters, 0, , 1-12.	0.7	1
249	Mutual interference alignment for co-existing radar and communication systems. , 2021, 112, 103004.		1
250	Localization deception performance of FDA signals under passive bi-satellite reconnaissance. Science China Information Sciences, 2021, 64, 1.	2.7	1
251	Low PAPR OFDM-Chirp Modulation Signaling Scheme. , 2021, , .		1
252	2-D DOA Estimation of Multiple Signals Based on Sparse L-Shaped Array. IEICE Transactions on Communications, 2018, E101.B, 383-391.	0.4	1

#	ARTICLE	IF	CITATIONS
253	Mixed targets localization using symmetric nested frequency diverse array radar. IET Signal Processing, 2021, 15, 1-13.	0.9	1
254	Performance Analysis of Frequency Diverse Array with Frequency Offset Errors. , 2021, , .		1
255	Adaptive Detector For FDA-Based Ambient Backscatter Communications. IEEE Transactions on Wireless Communications, 2022, , 1-1.	6.1	1
256	Physical-layer security with frequency diverse array for DF multi-antenna relaying SWIPT system. International Journal of Electronics Letters, 0, , 1-9.	0.7	1
257	Regularization parameter selection for electrical impedance tomography measurement. , 2009, , .		0
258	Performance analysis of near-space vehicle-borne millimeterwave radiometer. , 2011, , .		0
259	SUPPRESSING PHASE LOCKED LOOP GAIN FLUCTUATIONS IN WIDEBAND LINEARLY FREQUENCY MODULATED WAVEFORM SYNTHESIZERS. Fluctuation and Noise Letters, 2012, 11, 1250011.	1.0	0
260	Measurement of Baseline and Orientation between Distributed Aerospace Platforms. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	0
261	Low peak-to-average ratio OFDM chirp waveform diversity design. , 2014, , .		0
262	ℓ<inf>1</inf>-norm based nonparametric and semiparametric approaches for robust spectral analysis. , 2014, , .		0
263	Comparisons of MIMO SAR antenna arrangements in wide-swath remote sensing. , 2015, , .		0
264	Target direction-of-arrival estimation using nested frequency diverse array. , 2015, , .		0
265	Detection performance analysis of nested frequency diverse array radar. , 2015, , .		0
266	OFDM radar waveform design with sparse modeling and correlation optimization. , 2015, , .		0
267	Low-Cost Nested-MIMO Array for Large-Scale Wireless Sensor Applications. Sensors, 2017, 17, 1105.	2.1	0
268	MIMO Radar Using Frequency Incremental Waveforms For Range-Angle Localization of Targets. , 2017, , .		0
269	Two-dimensional Spectrum for Diving Stage SAR Processing with High-order Equivalent Range Model. , 2018, , .		0
270	Outage of Frequency Diverse Array-based Secure Transmission Over Rayleigh Fading Channels*. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
271	Fast algorithm for moving target localisation using FDA-MIMO radar. Journal of Engineering, 2019, 2019, 5749-5752.	0.6	0
272	Clutter simulation and characterisation of spaceborne GEO-LEO radar. Journal of Engineering, 2019, 2019, 7415-7418.	0.6	0
273	Ergodic Interference Steering for Joint Phased Array Radar and Communication Systems. , 2020, , .		0
274	Mutual Interference Alignment for Joint Phased Array Radar and Communication Systems. , 2021, , .		0
275	FDA-MIMO radar detection for independent and nonidentically distributed fluctuating targets. , 2022, , 103634.		0