

# Wen-Qin Wang

## List of Publications by Year in descending order

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275  
papers

6,914  
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50276

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85541

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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.	5.3	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.	5.3	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.	10.8	183
4	An Overview on Time/Frequency Modulated Array Processing. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 228-246.	10.8	182
5	Frequency Diverse Array Antenna: New Opportunities. IEEE Antennas and Propagation Magazine, 2015, 57, 145-152.	1.4	180
6	Range-Angle Dependent Transmit Beampattern Synthesis for Linear Frequency Diverse Arrays. IEEE Transactions on Antennas and Propagation, 2013, 61, 4073-4081.	5.1	167
7	Space-Time Coding MIMO-OFDM SAR for High-Resolution Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3094-3104.	6.3	150
8	Overview of frequency diverse array in radar and navigation applications. IET Radar, Sonar and Navigation, 2016, 10, 1001-1012.	1.8	143
9	FDA-MIMO Radar Range-Angle Estimation: CRLB, MSE, and Resolution Analysis. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 284-294.	4.7	135
10	Dot-Shaped Range-Angle Beampattern Synthesis for Frequency Diverse Array. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1703-1706.	4.0	126
11	Phased-MIMO Radar With Frequency Diversity for Range-Dependent Beamforming. IEEE Sensors Journal, 2013, 13, 1320-1328.	4.7	112
12	Frequency Diverse Array Transmit Beampattern Optimization With Genetic Algorithm. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 469-472.	4.0	110
13	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
14	GPS-Based Time & Phase Synchronization Processing for Distributed SAR. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 1040-1051.	4.7	101
15	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
16	Nonuniform Frequency Diverse Array for Range-Angle Imaging of Targets. IEEE Sensors Journal, 2014, 14, 2469-2476.	4.7	101
17	Sparsity-aware transmit beamspace design for FDA-MIMO radar. Signal Processing, 2018, 144, 99-103.	3.7	98
18	Mitigating Range Ambiguities in High-PRF SAR With OFDM Waveform Diversity. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 101-105.	3.1	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.	5.3	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.	1.4	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.	6.3	82
22	Direction-of-Arrival Estimation of Coherent Signals via Coprime Array Interpolation. IEEE Signal Processing Letters, 2020, 27, 585-589.	3.6	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.	6.3	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.	6.3	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.	5.1	75
26	MIMO SAR imaging: Potential and challenges. IEEE Aerospace and Electronic Systems Magazine, 2013, 28, 18-23.	1.3	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.	6.9	62
28	Waveform-Diversity-Based Millimeter-Wave UAV SAR Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 691-700.	6.3	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.	5.1	59
30	Robust Adaptive Beamforming via Simplified Interference Power Estimation. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3139-3152.	4.7	59
31	Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray. IEEE Transactions on Signal Processing, 2021, 69, 5345-5358.	5.3	59
32	A Technique for Jamming Bi- and Multistatic SAR Systems. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 80-82.	3.1	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.	14.0	58
34	Impaired Sensor Diagnosis, Beamforming, and DOA Estimation With Difference Co-Array Processing. IEEE Sensors Journal, 2015, 15, 3773-3780.	4.7	55
35	Robust adaptive beamforming via coprime coarray interpolation. Signal Processing, 2020, 169, 107382.	3.7	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.	5.1	55

#	ARTICLE	IF	CITATIONS
37	Multi-Feature Fusion and Enhancement Single Shot Detector for Traffic Sign Recognition. IEEE Access, 2020, 8, 38931-38940.	4.2	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.	10.8	53
39	Virtual Antenna Array Analysis for MIMO Synthetic Aperture Radars. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	1.2	52
40	Mixed far-field and near-field source localization based on subarray cross-cumulant. Signal Processing, 2018, 150, 51-56.	3.7	52
41	Transmit Beam-space Design for Multi-Carrier Frequency Diverse Array Sensor. IEEE Sensors Journal, 2016, 16, 5709-5714.	4.7	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.	6.3	49
43	Adaptive Frequency Offset Selection in Frequency Diverse Array Radar. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1405-1408.	4.0	49
44	DM using FDA antenna for secure transmission. IET Microwaves, Antennas and Propagation, 2017, 11, 336-345.	1.4	48
45	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
46	Robust Adaptive Beamforming Against Mutual Coupling Based on Mutual Coupling Coefficients Estimation. IEEE Transactions on Vehicular Technology, 2017, 66, 9124-9133.	6.3	46
47	Classification and localization of mixed near-field and far-field sources using mixed-order statistics. Signal Processing, 2018, 143, 134-139.	3.7	45
48	A Lightweight Faster R-CNN for Ship Detection in SAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	44
49	MIMO SAR Chirp Modulation Diversity Waveform Design. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1644-1648.	3.1	42
50	Range-Angle-Dependent Beamforming by Frequency Diverse Array Antenna. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	1.2	40
51	Frequency Diverse Array Beampattern Synthesis With Taylor Windowed Frequency Offsets. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1901-1905.	4.0	40
52	Time-Modulated FD-MIMO Array for Integrated Radar and Communication Systems. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1015-1019.	4.0	38
53	Optimal Frequency Diverse Subarray Design With Cram�r-Rao Lower Bound Minimization. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1188-1191.	4.0	37
54	Broadband Electronically Scanned Reflectarray Antenna With Liquid Crystals. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 396-400.	4.0	36

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55	Cognitive frequency diverse array radar with situational awareness. IET Radar, Sonar and Navigation, 2016, 10, 359-369.	1.8	35
56	Directional Modulation Using Frequency Diverse Array For Secure Communications. Wireless Personal Communications, 2017, 95, 2679-2689.	2.7	35
57	Localization of Mixed Far-Field and Near-Field Sources via Cumulant Matrix Reconstruction. IEEE Sensors Journal, 2018, 18, 7671-7680.	4.7	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.	1.2	33
59	Tensor Decomposition and PCA Jointed Algorithm for Hyperspectral Image Denoising. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 897-901.	3.1	33
60	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
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.	4.9	32
62	Search-Free DOD, DOA and Range Estimation for Bistatic FDA-MIMO Radar. IEEE Access, 2018, 6, 15431-15445.	4.2	32
63	Coarray Interpolation for DOA Estimation Using Coprime EMVS Array. IEEE Signal Processing Letters, 2021, 28, 548-552.	3.6	31
64	Integrated Wireless Sensor Systems via Near-Space and Satellite Platforms: A Review. IEEE Sensors Journal, 2014, 14, 3903-3914.	4.7	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.	3.1	30
68	Near-Space Wide-Swath Radar Imaging With Multiaperture Antenna. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 461-464.	4.0	29
69	A Flexible Phased-MIMO Array Antenna with Transmit Beamforming. International Journal of Antennas and Propagation, 2012, 2012, 1-10.	1.2	29
70	Carrier Frequency Synchronization in Distributed Wireless Sensor Networks. IEEE Systems Journal, 2015, 9, 703-713.	4.6	26
71	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
72	FDA radar with doppler-spreading consideration: Mainlobe clutter suppression for blind-doppler target detection. Signal Processing, 2021, 179, 107773.	3.7	26

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73	Near-Space Microwave Radar Remote Sensing: Potentials and Challenge Analysis. Remote Sensing, 2010, 2, 717-739.	4.0	24
74	Cognitive FDA-MIMO radar for LPI transmit beamforming. IET Radar, Sonar and Navigation, 2017, 11, 1574-1580.	1.8	24
75	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
76	Secrecy Capacity Analysis of AN-Aided FDA Communication Over Nakagami- $m$ Fading. IEEE Wireless Communications Letters, 2018, 7, 1034-1037.	5.0	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.	6.3	24
79	Application of Near-Space Passive Radar for Homeland Security. Sensing and Imaging, 2007, 8, 39-52.	1.5	23
80	Spread Spectrum-Coded OFDM Chirp Waveform Diversity Design. IEEE Sensors Journal, 2015, 15, 5694-5700.	4.7	23
81	Linear Frequency Diverse Array Manifold Geometry and Ambiguity Analysis. IEEE Sensors Journal, 2015, 15, 984-993.	4.7	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.	4.7	23
84	Potential transmit beamforming schemes for active LPI radars. IEEE Aerospace and Electronic Systems Magazine, 2017, 32, 46-52.	1.3	23
85	Spatial Smoothing PAST Algorithm for DOA Tracking Using Difference Coarray. IEEE Signal Processing Letters, 2019, 26, 1623-1627.	3.6	23
86	Nested array receiver with time-delayers for joint target range and angle estimation. IET Radar, Sonar and Navigation, 2016, 10, 1384-1393.	1.8	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.	10.8	22
88	Range-Dependent Spatial Modulation Using Frequency Diverse Array for OFDM Wireless Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 10886-10895.	6.3	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.	6.3	21

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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.	1.8	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.	4.0	20
94	Ergodic Interference Alignment for Spectrum Sharing Radar-Communication Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9785-9796.	6.3	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.	3.7	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, .	1.7	19
98	Joint Sparsity-Based Range-Angle-Dependent Beampattern Synthesis for Frequency Diverse Array. IEEE Access, 2017, 5, 15152-15161.	4.2	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.	1.2	18
102	FDA Radar Ambiguity Function Characteristics Analysis and Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1368-1380.	4.7	18
103	Communication-embedded OFDM chirp waveform for delay-Doppler radar. IET Radar, Sonar and Navigation, 2018, 12, 353-360.	1.8	18
104	Range-Angle Localization of Targets With Planar Frequency Diverse Subaperturing MIMO Radar. IEEE Access, 2018, 6, 12505-12517.	4.2	18
105	Robust DOA Estimation Against Mutual Coupling With Nested Array. IEEE Signal Processing Letters, 2020, 27, 1360-1364.	3.6	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.	4.2	17

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109	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
110	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
111	Time-Modulated FDA for physical-layer security. IET Microwaves, Antennas and Propagation, 2017, 11, 1274-1279.	1.4	16
112	Ultrawideband Frequency-Diverse Array Antennas: Range-Dependent and Autoscanning Beampattern Applications. IEEE Antennas and Propagation Magazine, 2018, 60, 48-56.	1.4	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.	3.6	16
115	ANALYTICAL MODELING AND SIMULATION OF PHASE NOISE IN BISTATIC SYNTHETIC APERTURE RADAR SYSTEMS. Fluctuation and Noise Letters, 2006, 06, L297-L303.	1.5	15
116	Two-Antenna SAR With Waveform Diversity for Ground Moving Target Indication. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2154-2158.	3.1	15
117	Bayesian Inverse Synthetic Aperture Radar Imaging by Exploiting Sparse Probing Frequencies. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1698-1701.	4.0	15
118	Cognitive FDA-MIMO With Channel Uncertainty Information for Target Tracking. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 963-975.	7.9	15
119	Antenna Beampattern With Range Null Control Using Weighted Frequency Diverse Array. IEEE Access, 2020, 8, 50107-50117.	4.2	15
120	FDA-Based Space-Time-Frequency Deceptive Jamming Against SAR Imaging. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2127-2140.	4.7	15
121	Covariance Matrix Estimation for FDA-MIMO Adaptive Transmit Power Allocation. IEEE Transactions on Signal Processing, 2022, 70, 3386-3399.	5.3	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.	4.2	14
124	LPI Property of FDA Transmitted Signal. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3905-3915.	4.7	14
125	DOA Estimation of Coherent Sources Using Coprime Array via Atomic Norm Minimization. IEEE Signal Processing Letters, 2022, 29, 1312-1316.	3.6	14
126	An efficient method for angular parameter estimation of incoherently distributed sources via beamspace shift invariance. , 2018, 83, 261-270.		13



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127	Active Frequency Diverse Array Counteracting Interferometry-Based DOA Reconnaissance. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1922-1925.	4.0	13
128	Joint Two-Dimensional Deception Countering ISAR via Frequency Diverse Array. IEEE Signal Processing Letters, 2021, 28, 773-777.	3.6	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.	4.8	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.	1.2	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.	4.9	12
132	Two-dimensional direction estimation of multiple signals using two parallel sparse linear arrays. Signal Processing, 2018, 143, 112-121.	3.7	12
133	OFDM chirp radar for adaptive target detection in low grazing angle. IET Signal Processing, 2018, 12, 613-619.	1.5	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.	4.0	11
136	Space-Time Modulated Wideband Array Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1081-1085.	4.0	11
137	Physical-Layer Security for Frequency Diverse Array Communication System Over Nakagami- $m$ Fading Channels. IEEE Systems Journal, 2020, 14, 2370-2381.	4.6	11
138	Ambient Backscatter Communication With Frequency Diverse Array for Enhanced Channel Capacity and Detection Performance. IEEE Sensors Journal, 2020, 20, 10876-10885.	4.7	11
139	Automatic modulation recognition based on mixed-type features. International Journal of Electronics, 2021, 108, 105-114.	1.4	11
140	Sparse Array Beamforming Design for Coherently Distributed Sources. IEEE Transactions on Antennas and Propagation, 2021, 69, 2628-2636.	5.1	11
141	Target localization in distributed MIMO radars via improved semidefinite relaxation. Journal of the Franklin Institute, 2021, 358, 5588-5598.	3.4	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.	9.2	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.	3.1	11
144	Two-dimensional imaging of targets by stationary frequency diverse array. Remote Sensing Letters, 2013, 4, 1067-1076.	1.4	10

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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.	3.6	10
147	Integrated Communication and Localization System With OFDM-Chirp Waveform. IEEE Systems Journal, 2020, 14, 2464-2472.	4.6	10
148	2-D DOA Estimation for Nested Conformal Arrays via Sparse Reconstruction. IEEE Communications Letters, 2021, 25, 980-984.	4.1	10
149	Cognitive FDA radar transmit power allocation for target tracking in spectrally dense scenario. Signal Processing, 2021, 183, 108006.	3.7	10
150	Bayesian Detection in Gaussian Clutter for FDA-MIMO Radar. IEEE Transactions on Vehicular Technology, 2022, 71, 2655-2667.	6.3	10
151	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
152	Large time-bandwidth product OFDM chirp waveform diversity using for MIMO radar. Multidimensional Systems and Signal Processing, 2016, 27, 145-158.	2.6	9
153	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
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.	3.4	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.	3.6	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.	4.7	9
159	CLOCK TIMING JITTER ANALYSIS AND COMPENSATION FOR BISTATIC SYNTHETIC APERTURE RADAR SYSTEMS. Fluctuation and Noise Letters, 2007, 07, L341-L350.	1.5	8
160	Detecting and Mitigating Wind Turbine Clutter for Airspace Radar Systems. Scientific World Journal, The, 2013, 2013, 1-8.	2.1	8
161	MIMO Antenna Array Design with Polynomial Factorization. International Journal of Antennas and Propagation, 2013, 2013, 1-9.	1.2	8
162	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

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163	FDS-MIMO Radar Low-Altitude Beam Coverage Performance Analysis and Optimization. IEEE Transactions on Signal Processing, 2018, 66, 2494-2506.	5.3	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.	4.2	8
166	Calibrating Nonuniform Linear Arrays With Model Errors Using a Source at Unknown Location. IEEE Communications Letters, 2020, 24, 2917-2921.	4.1	8
167	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
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.	1.8	7
170	Two-dimensional direction-of-arrival estimation for cylindrical nested conformal arrays. Signal Processing, 2021, 179, 107838.	3.7	7
171	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
172	Inflight Antenna Pattern Measurement for Bistatic Synthetic Aperture Radar Systems. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 432-435.	4.0	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&quot;Receive Beampattern Synthesis. IEEE Access, 2018, 6, 9227-9237.	4.2	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.	2.0	6
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