âˆ§Antonio De Maio

List of Publications by Year
in descending order

184 papers	6,123 citations	53794 45 h-index	76900 74 g-index
186 all docs	186 docs citations	186 times ranked	2124 citing authors

#	Article	IF	Citations
1	Design Principles of MIMO Radar Detectors. IEEE Transactions on Aerospace and Electronic Systems, 2007, 43, 886-898.	4.7	234
2	Rao Test for Adaptive Detection in Gaussian Interference With Unknown Covariance Matrix. IEEE Transactions on Signal Processing, 2007, 55, 3577-3584.	5.3	230
3	Design of Optimized Radar Codes With a Peak to Average Power Ratio Constraint. IEEE Transactions on Signal Processing, 2011, 59, 2683-2697.	5.3	179
4	Design of Phase Codes for Radar Performance Optimization With a Similarity Constraint. IEEE Transactions on Signal Processing, 2009, 57, 610-621.	5.3	163
5	A Coordinate-Descent Framework to Design Low PSL/ISL Sequences. IEEE Transactions on Signal Processing, 2017, 65, 5942-5956.	5.3	161
6	Ambiguity Function Shaping for Cognitive Radar Via Complex Quartic Optimization. IEEE Transactions on Signal Processing, 2013, 61, 5603-5619.	5.3	159
7	Adaptive Radar Detection of Distributed Targets in Homogeneous and Partially Homogeneous Noise Plus Subspace Interference. IEEE Transactions on Signal Processing, 2007, 55, 1223-1237.	5.3	154
8	MIMO Radar Beampattern Design Via PSL/ISL Optimization. IEEE Transactions on Signal Processing, 2016, 64, 3955-3967.	5.3	147
9	Optimizing Radar Waveform and Doppler Filter Bank via Generalized Fractional Programming. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1387-1399.	10.8	141
10	Optimization theory-based radar waveform design for spectrally dense environments. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 14-25.	1.3	138
11	A Unifying Framework for Adaptive Radar Detection in Homogeneous Plus Structured Interferenceâ€" Part II: Detectors Design. IEEE Transactions on Signal Processing, 2016, 64, 2907-2919.	5.3	127
12	Maximum Likelihood Estimation of a Structured Covariance Matrix With a Condition Number Constraint. IEEE Transactions on Signal Processing, 2012, 60, 3004-3021.	5.3	118
13	Detection of Single Scatterers in Multidimensional SAR Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2284-2297.	6.3	114
14	A Doppler Robust Design of Transmit Sequence and Receive Filter in the Presence of Signal-Dependent Interference. IEEE Transactions on Signal Processing, 2014, 62, 772-785.	5.3	105
15	Intrapulse radar-embedded communications via multiobjective optimization. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2960-2974.	4.7	105
16	A New Derivation of the Adaptive Matched Filter. IEEE Signal Processing Letters, 2004, 11, 792-793.	3.6	102
17	GLRT-Based Adaptive Target Detection in FDA-MIMO Radar. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 597-613.	4.7	99
18	A polarimetric adaptive matched filter. Signal Processing, 2001, 81, 2583-2589.	3.7	92

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19	Adaptive Detection of Point-Like Targets in Spectrally Symmetric Interference. IEEE Transactions on Signal Processing, 2016, 64, 3207-3220.	5.3	92
20	Detection of Double Scatterers in SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3567-3586.	6.3	91
21	Radar Detection of Distributed Targets in Homogeneous Interference Whose Inverse Covariance Structure is Defined via Unitary Invariant Functions. IEEE Transactions on Signal Processing, 2013, 61, 4949-4961.	5.3	91
22	On the Statistical Invariance for Adaptive Radar Detection in Partially Homogeneous Disturbance Plus Structured Interference. IEEE Transactions on Signal Processing, 2017, 65, 1222-1234.	5.3	91
23	Robust Transmit Code and Receive Filter Design for Extended Targets in Clutter. IEEE Transactions on Signal Processing, 2015, 63, 1965-1976.	5.3	89
24	Automatic Target Recognition of Military Vehicles With Krawtchouk Moments. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 493-500.	4.7	86
25	Covariance matrix estimation via geometric barycenters and its application to radar training data selection. IET Radar, Sonar and Navigation, 2013, 7, 600-614.	1.8	84
26	A novel algorithm for radar classification based on doppler characteristics exploiting orthogonal Pseudo-Zernike polynomials. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 417-430.	4.7	84
27	A Geometric Approach to Covariance Matrix Estimation and its Applications to Radar Problems. IEEE Transactions on Signal Processing, 2018, 66, 907-922.	5.3	83
28	A New Sequential Optimization Procedure and Its Applications to Resource Allocation for Wireless Systems. IEEE Transactions on Signal Processing, 2018, 66, 6518-6533.	5.3	82
29	Robust Waveform and Filter Bank Design of Polarimetric Radar. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 370-384.	4.7	78
30	On Model, Algorithms, and Experiment for Micro-Doppler-Based Recognition of Ballistic Targets. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1088-1108.	4.7	77
31	Adaptive CFAR Radar Detection With Conic Rejection. IEEE Transactions on Signal Processing, 2007, 55, 2533-2541.	5.3	75
32	On the Design of Multi-Spectrally Constrained Constant Modulus Radar Signals. IEEE Transactions on Signal Processing, 2020, 68, 2231-2243.	5.3	70
33	On Multiple Covariance Equality Testing with Application to SAR Change Detection. IEEE Transactions on Signal Processing, 2017, 65, 5078-5091.	5.3	69
34	Diffuse Multipath Exploitation for Adaptive Radar Detection. IEEE Transactions on Signal Processing, 2015, 63, 1268-1281.	5.3	67
35	Adaptive Radar Detection of a Subspace Signal Embedded in Subspace Structured Plus Gaussian Interference Via Invariance. IEEE Transactions on Signal Processing, 2016, 64, 2156-2167.	5.3	67
36	Fractional QCQP With Applications in ML Steering Direction Estimation for Radar Detection. IEEE Transactions on Signal Processing, 2011, 59, 172-185.	5.3	66

#	Article	IF	Citations
37	Sum of Squared Shadowed-Rice Random Variables and its Application to Communication Systems Performance Prediction. IEEE Transactions on Wireless Communications, 2007, 6, 3540-3545.	9.2	62
38	On the Invariance, Coincidence, and Statistical Equivalence of the GLRT, Rao Test, and Wald Test. IEEE Transactions on Signal Processing, 2010, 58, 1967-1979.	5.3	62
39	An Invariant Approach to Adaptive Radar Detection Under Covariance Persymmetry. IEEE Transactions on Signal Processing, 2015, 63, 1297-1309.	5.3	62
40	Diversity-Integration Tradeoffs in MIMO Detection. IEEE Transactions on Signal Processing, 2008, 56, 5051-5061.	5.3	60
41	Code Design for Radar STAP via Optimization Theory. IEEE Transactions on Signal Processing, 2010, 58, 679-694.	5.3	56
42	A Doppler Robust Max-Min Approach to Radar Code Design. IEEE Transactions on Signal Processing, 2010, 58, 4943-4947.	5.3	52
43	Multi-Snapshot Spectrum Sensing for Cognitive Radar via Block-Sparsity Exploitation. IEEE Transactions on Signal Processing, 2019, 67, 1396-1406.	5.3	48
44	Loading Factor Estimation Under Affine Constraints on the Covariance Eigenvalues With Application to Radar Target Detection. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1269-1283.	4.7	47
45	Reconfigurable Intelligent Surfaces for N-LOS Radar Surveillance. IEEE Transactions on Vehicular Technology, 2021, 70, 10735-10749.	6.3	45
46	Pseudoâ€Zernikeâ€based multiâ€pass automatic target recognition from multiâ€channel synthetic aperture radar. IET Radar, Sonar and Navigation, 2015, 9, 457-466.	1.8	44
47	Design of Radar Receive Filters Optimized According to L_{p}-Norm Based Criteria. IEEE Transactions on Signal Processing, 2011, 59, 4023-4029.	5.3	43
48	Improved detection probability of a radar target in the presence of multipath with prior knowledge of the environment. IET Radar, Sonar and Navigation, 2013, 7, 36-46.	1.8	42
49	Exploiting multiple a priori spectral models for adaptive radar detection. IET Radar, Sonar and Navigation, 2014, 8, 695-707.	1.8	42
50	Robust Design of Radar Doppler Filters. IEEE Transactions on Signal Processing, 2016, 64, 5848-5860.	5.3	42
51	Adaptive Detection and Estimation in the Presence of Useful Signal and Interference Mismatches. IEEE Transactions on Signal Processing, 2009, 57, 436-450.	5.3	41
52	Adaptive Radar Detection Using Two Sets of Training Data. IEEE Transactions on Signal Processing, 2018, 66, 1791-1801.	5.3	41
53	Median matrices and their application to radar training data selection. IET Radar, Sonar and Navigation, 2014, 8, 265-274.	1.8	40
54	Design of Constant Modulus Discrete Phase Radar Waveforms Subject to Multi-Spectral Constraints. IEEE Signal Processing Letters, 2020, 27, 875-879.	3.6	40

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55	Multi-Spectrally Constrained Transceiver Design Against Signal-Dependent Interference. IEEE Transactions on Signal Processing, 2022, 70, 1320-1332.	5.3	39
56	High Range Resolution Profile Estimation via a Cognitive Stepped Frequency Technique. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 444-458.	4.7	38
57	Polarimetric adaptive detection in non-Gaussian noise. Signal Processing, 2003, 83, 297-306.	3.7	36
58	Adaptive Detection in Gaussian Interference With Unknown Covariance After Reduction by Invariance. IEEE Transactions on Signal Processing, 2010, 58, 2925-2934.	5.3	36
59	Invariant Rules for Multipolarization SAR Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3294-3311.	6.3	30
60	Non-cooperative code design in radar networks: a game-theoretic approach. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	28
61	Detecting Covariance Symmetries in Polarimetric SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 80-95.	6.3	28
62	Maximum likelihood estimation of structured persymmetric covariance matrices. Signal Processing, 2003, 83, 633-640.	3.7	27
63	Adaptive Radar Detection: A Bayesian Approach. IEEE National Radar Conference - Proceedings, 2007, , .	0.0	27
64	A Theoretical Framework for LMS MIMO Communication Systems Performance Analysis. IEEE Transactions on Information Theory, 2010, 56, 5614-5630.	2.4	25
65	Invariance Theory for Adaptive Detection in Interference With Group Symmetric Covariance Matrix. IEEE Transactions on Signal Processing, 2016, 64, 6299-6312.	5.3	25
66	Radar Phase Noise Modeling and Effects-Part I : MTI Filters. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 698-711.	4.7	25
67	Experimental Performance Analysis of Distributed Target Coherent Radar Detectors. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 2216-2238.	4.7	24
68	A Robust Framework for Covariance Classification in Heterogeneous Polarimetric SAR Images and Its Application to L-Band Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 104-119.	6.3	24
69	Diffuse Multipath Exploitation for Adaptive Detection of Range Distributed Targets. IEEE Transactions on Signal Processing, 2020, 68, 1197-1212.	5.3	24
70	Adaptive Radar Detection in Gaussian Disturbance With Structured Covariance Matrix via Invariance Theory. IEEE Transactions on Signal Processing, 2019, 67, 5671-5685.	5.3	23
71	Forcing Scale Invariance in Multipolarization SAR Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 36-50.	6.3	22
72	Model Order Selection Rules for Covariance Structure Classification in Radar. IEEE Transactions on Signal Processing, 2017, 65, 5305-5317.	5.3	22

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73	Censoring Outliers in Radar Data: An Approximate ML Approach and its Analysis. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 534-546.	4.7	22
74	Toeplitz Structured Covariance Matrix Estimation for Radar Applications. IEEE Signal Processing Letters, 2020, 27, 595-599.	3.6	22
75	Cognitive radar waveform design for spectral coexistence. , 2013, , .		21
76	Pseudo-Zernike moments based radar micro-Doppler classification. , 2014, , .		21
77	A Multifamily GLRT for Oil Spill Detection. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 63-79.	6.3	21
78	Adaptive Radar Detectors Based on the Observed FIM. IEEE Transactions on Signal Processing, 2018, 66, 3838-3847.	5.3	21
79	Localization in 2D PBR With Multiple Transmitters of Opportunity: A Constrained Least Squares Approach. IEEE Transactions on Signal Processing, 2020, 68, 634-646.	5.3	21
80	Quasi-Orthogonal Waveforms for Ambiguity Suppression in Spaceborne Quad-Pol SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	21
81	Generalized CFAR Property and UMP Invariance for Adaptive Signal Detection. IEEE Transactions on Signal Processing, 2013, 61, 2104-2115.	5.3	20
82	Single-Pulse Simultaneous Target Detection and Angle Estimation in a Multichannel Phased Array Radar. IEEE Transactions on Signal Processing, 2020, 68, 6649-6664.	5.3	20
83	HRR profile estimation using SLIM. IET Radar, Sonar and Navigation, 2019, 13, 512-521.	1.8	20
84	Hidden Convexity in Robust Waveform and Receive Filter Bank Optimization Under Range Unambiguous Clutter. IEEE Signal Processing Letters, 2020, 27, 885-889.	3.6	19
85	An Adaptive Radar Signal Processor for UAVs Detection With Super-Resolution Capabilities. IEEE Sensors Journal, 2021, 21, 20778-20787.	4.7	19
86	Performance prediction of the incoherent detector for a weibull fluctuating target. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2176-2184.	4.7	18
87	Adaptive Radar Detection: A Bayesian Approach. , 2006, , .		15
88	A radar detector with enhanced range estimation capabilities for partially homogeneous environment. IET Radar, Sonar and Navigation, 2014, 8, 1018-1025.	1.8	15
89	Adaptive Radar Detection in Low-Rank Heterogeneous Clutter via Invariance Theory. IEEE Transactions on Signal Processing, 2021, 69, 1492-1506.	5.3	15
90	Invariance Theory for Adaptive Radar Detection in Heterogeneous Environment. IEEE Signal Processing Letters, 2019, 26, 996-1000.	3.6	14

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91	An EL Approach for Similarity Parameter Selection in KA Covariance Matrix Estimation. IEEE Signal Processing Letters, 2019, 26, 1217-1221.	3.6	13
92	Joint Exploitation of TDOA and PCL Techniques for Two-Dimensional Target Localization. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 597-609.	4.7	13
93	Experimental Analysis of Block-Sparsity-Based Spectrum Sensing Techniques for Cognitive Radar. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 355-370.	4.7	13
94	Design of Pareto-Optimal Radar Receive Filters. International Journal of Electronics and Telecommunications, 2011, 57, 477-481.	0.5	13
95	Unstructured Versus Structured GLRT for Multipolarization SAR Change Detection. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1665-1669.	3.1	12
96	Radar Detection Architecture Based on Interference Covariance Structure Classification. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 607-618.	4.7	12
97	Threshold Region Performance of Multicarrier Maximum Likelihood Direction of Arrival Estimator. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3517-3530.	4.7	12
98	Assessing Reciprocity in Polarimetric SAR Data. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 87-91.	3.1	12
99	Pulmonary preconditioning, injury, and inflammation modulate expression of the candidate tumor suppressor gene $ECRG4$ in lung. Experimental Lung Research, 2015, 41, 162-172.	1.2	11
100	Assessing Power Amplifier Impairments and Digital Predistortion on Radar Waveforms for Spectral Coexistence. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 635-650.	4.7	11
101	Blind User Detection in Doubly Dispersive DS/CDMA Fading Channels. IEEE Transactions on Signal Processing, 2010, 58, 1446-1451.	5.3	10
102	Diversity in receiving strategies based on time-delay analysis in the presence of multipath. , 2011, , .		10
103	Detection of Partially Coherent Scatterers in Multidimensional SAR Tomography: A Theoretical Study. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7534-7548.	6.3	10
104	New Results on Fractional QCQP with Applications to Radar Steering Direction Estimation. IEEE Signal Processing Letters, 2014, 21, 895-898.	3.6	10
105	Two-dimensional spectrum sensing for cognitive radar. , 2018, , .		10
106	Performance analysis of diverse GLRT detectors in the presence of multipath. , 2012, , .		9
107	Multi-Class Random Matrix Filtering for Adaptive Learning. IEEE Transactions on Signal Processing, 2020, 68, 359-373.	5.3	9
108	A Clustering Approach for Jamming Environment Classification. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1903-1918.	4.7	9

#	Article	IF	Citations
109	A maximum entropy framework for space–time adaptive processing. Signal Processing, 2004, 84, 1637-1652.	3.7	8
110	Spaceborne Radar Sensor Architecture for Debris Detection and Tracking. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6621-6636.	6.3	8
111	An Ontology for Spaceborne Radar Debris Detection and Tracking: Channel-Target Phenomenology and Motion Models. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 18-42.	1.3	8
112	Enhanced Target Localization With Deployable Multiplatform Radar Nodes Based on Non-Convex Constrained Least Squares Optimization. IEEE Transactions on Signal Processing, 2022, 70, 1282-1294.	5.3	8
113	A theoretical framework for LMS MIMO communication systems performance analysis. , 2007, , .		7
114	GLRT Versus MFLRT for Adaptive CFAR Radar Detection With Conic Uncertainty. IEEE Signal Processing Letters, 2009, 16, 707-710.	3.6	7
115	An Approximate Regularized ML Approach to Censor Outliers in Gaussian Radar Data. IEEE Access, 2019, 7, 66263-66274.	4.2	7
116	Adaptive Radar Detection in Gaussian Interference Using Clutter-Free Training Data. IEEE Transactions on Signal Processing, 2022, 70, 978-993.	5.3	7
117	Detection of double scatterers in SAR Tomography. , 2009, , .		6
118	Krogager decomposition and Pseudo-Zernike moments for polarimetric distributed ATR. , 2014, , .		6
119	Cognitive Radar Waveform Design for Spectral Compatibility. , 2016, , .		6
120	On the Exploitability of the Ka Band for Spaceborne Radar Debris Detection and Tracking Measurements. , 2019, , .		6
121	Coincidence of Maximal Invariants for Two Adaptive Radar Detection Problems. IEEE Signal Processing Letters, 2016, , 1-1.	3.6	5
122	Optimal Opponent Stealth Trajectory Planning Based on an Efficient Optimization Technique. IEEE Transactions on Signal Processing, 2021, 69, 270-283.	5.3	5
123	Knowledge-Based Adaptive Processing for Ship Detection in OTH Radar. , 2006, , .		4
124	Achieving full diversity in MIMO radar: Code Construction and performance bounds. , 2006, , .		4
125	Adaptive Transmit/Receive Schemes for Mimo Radar. , 2007, , .		4
126	Design and Analysis of Invariant Receivers for Gaussian Targets. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1560-1569.	10.8	4

#	Article	IF	Citations
127	A geometric approach for structured radar covariance estimation. , 2017, , .		4
128	Spaceborne Radar Functional Architecture for Debris Bayesian Inference. , 2020, , .		4
129	Design of adaptive detectors for FDA-MIMO radar. , 2020, , .		4
130	Adaptive Target Separation Detection. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 293-309.	4.7	4
131	Diversity-Integration Trade-offs in MIMO Detection. , 2008, , .		3
132	Performance prediction of the incoherent radar detector for Generalized Swerling-Chi fluctuating targets. , 2012, , .		3
133	Multi-sensor full-polarimetric SAR Automatic Target Recognition using pseudo-Zernike moments. , 2014, , .		3
134	Phase noise modeling and its effects on the performance of some radar signal processors. , 2015, , .		3
135	Adaptive radar detection in the presence of Gaussian clutter with symmetric spectrum. , 2016, , .		3
136	Comments on â€œWaveform Design for Radar STAP in Signal Dependent Interferenceâ€. IEEE Transactions on Signal Processing, 2018, 66, 5206-5207.	5.3	3
137	2D Constrained PBR Localization Via Active Radar Designation. , 2020, , .		3
138	Effects of Plasma Media With Weak Scintillation on the Detection Performance of Spaceborne Radars. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	3
139	Code selection for radar performance optimization. , 2007, , .		2
140	Measurement and analysis of clutter signal from GSM/DCS-based passive radar. , 2008, , .		2
141	Experimental Verification of a Two-State Model for the Cumulative Distribution Function of GSM Passive Radar Clutter. , 2008, , .		2
142	Extended target detection in interference whose covariance matrix is defined via uncertainty convex constraints. , 2013, , .		2
143	A max-min design of transmit sequence and receive filter. , 2014, , .		2
144	Adaptive radar detection in diffuse multipath environments. , 2014, , .		2

#	Article	IF	Citations
145	Optimizing polarimetrie radar waveform and filter bank for extended targets in clutter. , 2016, , .		2
146	Toeplitz Structured Covariance Matrix Estimation for Radar Applications. , 2020, , .		2
147	Automatically Tunable AMF for Radar Detection in Diffuse Multipath. , 2020, , .		2
148	Transceiver Design in Signal-Dependent Interference and Spectrally Dense Environments. , 2020, , .		2
149	Fading Occurrence Probability for Spaceborne Radar in Weak Plasma Scintillation. , 2021, , .		2
150	Effects of Mutual Coupling of Radiating Antennas on an Adaptive Radar Detector. International Journal of Electronics and Telecommunications, 2011, 57, 451-457.	0.5	2
151	MIMO SBR via Code Division Multiplexing for Track While Simultaneous Search. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	2
152	ATOM for MLE of Toeplitz Structured Covariance Matrices for RADAR Applications. , 2022, , .		2
153	Fast converging adaptive matched filter and adaptive cosine/coherence estimator. Signal Processing, 2002, 82, 1417-1423.	3.7	1
154	Transmitted phase code/receive filter design for high reverberating environment: A cognitive approach. , 2012, , .		1
155	Detection capabilities evaluation of a constrained structured covariance matrix estimator for radar applications. , 2012, , .		1
156	Adaptive radar detection based on multiple a-priori models. , 2013, , .		1
157	Theoretical analysis of the sequential lobing technique for correlated targets. IET Radar, Sonar and Navigation, 2013, 7, 443-450.	1.8	1
158	Detection of partially coherent scatterers in multidimensional SAR tomography: a theoretical study. Proceedings of SPIE, 2013, , .	0.8	1
159	Multi-polarization SAR change detection: unstructured versus structured GLRT. , 2014, , .		1
160	Bayesian Multi-Class Covariance Matrix Filtering for Adaptive Environment Learning. , 2018, , .		1
161	Phase-Only Radar Waveform Design for Spectrally Dense Environments. , 2019, , .		1
162	Spectrum Sensing for Cognitive Radar via Model Sparsity Exploitation. , 2019, , 257-283.		1

#	Article	IF	Citations
163	Optimal Stealth Trajectory Design to Deceive Anomaly Detection Process. , 2019, , .		1
164	Constant Modulus Discrete Phase Radar Waveforms Design Subject to Multi-Spectral Constraints. , 2020, , .		1
165	Design of GLR-Based Detectors for FDA-MIMO radar. , 2020, , .		1
166	Hidden Convexity in Robust Waveform and Receive Filter Bank Optimization for Range Unambiguous Clutter. , 2020, , .		1
167	3D Localization for Multiplatform Radar Networks with Deployable Nodes. , 2021, , .		1
168	Constrained Target Localization for Multiplatform Radar Systems. , 2021, , .		1
169	Blind User Detection and Delay Acquisition in Doubly-Dispersive DS/CDMA Fading Channels. , 2009, , .		0
170	Robust adaptive detection with angular rejection. , 2009, , .		0
171	Fast code design for sensors in noncooperative networks. , 2010, , .		0
172	Information-theoretic performance analysis of LMS MIMO communications. , 2010, , .		0
173	High resolution sea clutter and maritime target data: Experimental performance of distributed target coherent detectors. , 2011, , .		0
174	Quantized phase code and receive filter synthesis in reverberating environment. , 2012, , .		0
175	A coherent SLB architecture with Kelly's receiver. , 2012, , .		0
176	Generalized CFAR property for radar detection. , 2013, , .		0
177	Enhanced radar detection and range estimation via oversampled data. , 2014, , .		0
178	An invariant approach to adaptive radar detection under covariance persymmetry. , 2015, , .		0
179	Radar Filters Design in the Presence of Target Doppler Frequency and Interference Covariance Matrix Uncertainties. , 2016, , .		0
180	Joint Radar Waveform and Bank of Filter Design Forwind Farm Clutter Mitigation. , 2017, , .		0

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181	Approximate regularised maximum‑likelihood approach for censoring outliers. Journal of Engineering, 2019, 2019, 8061-8065.	1.1	0
182	A Smart Radar Signal Processing Solution for Ground-Based UAVs Surveillance. , 2021, , .		0
183	Polarimetric FDA-MIMO Radar Detection. , 2022, , .		0
184	On Radar Transceiver Design against Signal-Dependent Interference with Discrete-Phase Codes and Multiple Spectral Constraints. , 2022, , .		0