Guolong Cui

List of Publications by Year in Descending Order

190 papers	2,508 citations	26 h-index	43 g-index
259 ext. papers	3,547 ext. citations	3.4 avg, IF	5.83 L-index

#	Paper	IF	Citations
190	A Multi-Domain Fusion Human Motion Recognition Method Based on Lightweight Network. *IEEE Geoscience and Remote Sensing Letters*, **2022**, 19, 1-5	4.1	1
189	Multi-Spectrally Constrained Transceiver Design against Signal-Dependent Interference. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	4
188	Computational Efficient Segmented Integration Method for High-speed Maneuvering Target Detection. *Signal Processing*, **2022**, 108475	4.4	0
187	Multi-Spectrally Constrained MIMO Radar Beampattern Design via Sequential Convex Approximation. *IEEE Transactions on Aerospace and Electronic Systems*, **2022**, 1-1	3.7	8
186	Multipath False Target Removal for Indoor Localization. *Lecture Notes in Electrical Engineering*, **2022**, 1367-1378	0.2	
185	Human Target Localization in the U-Shaped Structure via UWB Radar. *Lecture Notes in Electrical Engineering*, **2022**, 3103-3112	0.2	
184	Cognitive Waveform Design with Desired Spectrum-Autocorrelation Properties. *Signal Processing*, **2022**, 108576	4.4	
183	Fast Single-Snapshot DOA Estimation of Coherent Sources for Distributed mmWave Radar System. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1	3.5	
182	Constant modulus sequence set design with low weighted integrated sidelobe level in spectrally crowded environments. *Science China Information Sciences*, **2022**, 65, 1	3.4	
181	Integrated Waveform Design for MIMO Radar and Communication via Spatio-Spectral Modulation. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	6
180	Joint Estimation of Target Range and Velocity for Radar System via Complex-Valued Kernel Quasi-Newton Method. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 1-1	5.2	
179	First Sidelobe Analysis of Spatial Spectrum for Distributed Dual mmWave Radars. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 21, 948-952	3.8	
178	GCN-Enhanced Multidomain Fusion Network for Through-Wall Human Activity Recognition. *IEEE Geoscience and Remote Sensing Letters*, **2022**, 19, 1-5	4.1	
177	Graph Matching Based Image Registration for Multi-View Through-the-Wall Imaging Radar. *IEEE Sensors Journal*, **2021**, 1-1	4	1
176	Extreme Eigenvalues-Based Detectors for Spectrum Sensing in Cognitive Radio Networks. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	4
175	Wideband Beampattern Synthesis using Single Digital Beamformer with Integer Time Delay Filters. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	2
174	Transmit-Receive Beamforming for Distributed Phased-MIMO Radar System. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	

173	Multipath Imaging for NLOS Targets Behind an L-Shaped Corner With Single-Channel UWB Radar. *IEEE Sensors Journal*, **2021**, 1-1	4	3
172	Fusion Test Statistics Based Mixture Detector for Spectrum Sensing. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	0
171	Eigenvalues-Based Detector Design for Radar Small Floating Target Detection in Sea Clutter. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5	4.1	0
170	Continuous Human Activity Recognition through Parallelism LSTM with Multi-Frequency Spectrograms. *Remote Sensing*, **2021**, 13, 4264	5	2
169	Multiple Targets Localization Behind L-Shaped Corner via UWB Radar. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 3087-3100	6.8	9
168	Multi-Frame Integration Method for Radar Detection of Weak Moving Target. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 3609-3624	6.8	5
167	MIMO Radar Beampattern Formation with Spectral Coexistence Via Sequential Convex Approximation **2021**,		3
166	ResNet-Based Counting Algorithm for Moving Targets in Through-the-Wall Radar. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 18, 1034-1038	4.1	3
165	Beampattern Synthesis via the Constrained Subarray Layout Optimization. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 182-194	4.9	4
164	Human Target Detection Based on FCN for Through-the-Wall Radar Imaging. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 18, 1565-1569	4.1	9
163	Wideband frequency-invariant beamforming with dynamic range ratio constraints. *Signal Processing*, **2021**, 181, 107908	4.4	1
162	A Fast Approach for Detection and Parameter Estimation of Maneuvering Target With Complex Motions in Coherent Radar System. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	1
161	Ultrawideband Tomographic Imaging in Multipath-Rich Environment. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5	4.1	1
160	A Joint Iterative Tomographic Imaging Approach With Dual-Band Signals. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1	3.8	
159	Building Layout Tomographic Reconstruction via Commercial WiFi Signals. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	4
158	Multi-frequency and multi-domain human activity recognition based on SFCW radar using deep learning. *Neurocomputing*, **2021**, 444, 274-287	5.4	8
157	Beampattern Synthesis via First-Order Iterative Convex Approximation. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 1493-1497	3.8	2
156	Joint cognitive optimization of transmit waveform and receive filter against deceptive interference. *Signal Processing*, **2021**, 185, 108084	4.4	2

155	Multi-View Real-Time Human Motion Recognition Based on Ensemble Learning. *IEEE Sensors Journal*, **2021**, 21, 20335-20347	4	3
154	A new approach for design of constant modulus discrete phase radar waveform with low WISL. *Signal Processing*, **2021**, 187, 108145	4.4	5
153	Nonline-of-Sight 3-D Imaging Using Millimeter-Wave Radar. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-18	8.1	1
152	Through-Wall Human Motion Recognition Based on Transfer Learning and Ensemble Learning. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5	4.1	4
151	Design of Constant Modulus Discrete Phase Radar Waveforms Subject to Multi-Spectral Constraints. *IEEE Signal Processing Letters*, **2020**, 27, 875-879	3.2	20
150	Main lobe jamming suppression via blind source separation sparse signal recovery with subarray configuration. *IET Radar, Sonar and Navigation*, **2020**, 14, 431-438	1.4	5
149	Hidden Convexity in Robust Waveform and Receive Filter Bank Optimization Under Range Unambiguous Clutter. *IEEE Signal Processing Letters*, **2020**, 27, 885-889	3.2	9
148	Quadratic Optimization for Unimodular Sequence Design via an ADPM Framework. *IEEE Transactions on Signal Processing*, **2020**, 68, 3619-3634	4.8	18
147	Phased array beamforming with practical constraints. *Signal Processing*, **2020**, 176, 107698	4.4	4
146	Hidden Convexity in Robust Waveform and Receive Filter Bank Optimization for Range Unambiguous Clutter **2020**,		1
145	MIMO Radar Waveform Design in the Presence of Multiple Targets and Practical Constraints. *IEEE Transactions on Signal Processing*, **2020**, 68, 1974-1989	4.8	38
144	Behind Corner Targets Location Using Small Aperture Millimeter Wave Radar in NLOS Urban Environment. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2020**, 13, 460-470	4.7	10
143	On the Electromagnetic Diffraction Propagation Model and Applications. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2020**, 13, 884-895	4.7	7
142	Dual-Use Signal Design for Radar and Communication via Ambiguity Function Sidelobe Control. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 9781-9794	6.8	10
141	NLOS Target Localization Behind an L-Shaped Corner With an L-Band UWB Radar. *IEEE Access*, **2020**, 8, 31270-31286	3.5	7
140	Scale-Adaptive Human Target Tracking for Through-Wall Imaging Radar. *IEEE Geoscience and Remote Sensing Letters*, **2020**, 17, 1348-1352	4.1	11
139	Hypersonic Target Detection and Velocity Estimation in Coherent Radar System Based on Scaled Radon Fourier Transform. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 6525-6540	6.8	16
138	Toeplitz Structured Covariance Matrix Estimation for Radar Applications. *IEEE Signal Processing Letters*, **2020**, 27, 595-599	3.2	8

137	Iterative Sequential Estimation for Multiple Structured Signals. *IEEE Access*, **2020**, 8, 44452-44458	3.5	
136	Cognitive Wideband Beamforming for Sparse Array **2020**,		1
135	Finite Alphabet Unimodular Sequence Design With Low WISL Via An Inexact ADPM Framework **2020**,		1
134	Target Tracking and Ghost Mitigation Based on Multi-view Through-the-wall Radar Imaging **2020**,		2
133	Three-Dimensional Down-View Imaging Based on MIMO Through-Wall-Radar **2020**,		1
132	A Real-time Human Activity Recognition Method for Through-the-Wall Radar **2020**,		1
131	MIMO Radar Transmit Receive Design for Moving Target Detection in Signal-Dependent Clutter. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 522-536	6.8	54
130	Coherent Radar Detection Framework With Non-Uniform Pulse Repetition Intervals. *IEEE Access*, **2020**, 8, 18645-18657	3.5	1
129	Beampattern Synthesis With Sidelobe Control and Applications. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 297-310	4.9	16
128	MIMO Radar Localization of Targets Behind L-shaped Corners **2020**,		3
127	OQAM-OFDM Radar Approximated IRCI-Free Pulse Compression. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 10009-10018	6.8	4
126	Toeplitz Structured Covariance Matrix Estimation for Radar Applications **2020**,		1
125	. *IEEE Transactions on Aerospace and Electronic Systems*, **2020**, 56, 4749-4766	3.7	11
124	Human Motion Serialization Recognition With Through-the-Wall Radar. *IEEE Access*, **2020**, 8, 186879-186889	3.5	7
123	Transmit-Receive Design for Non-Uniform Pulse Repetition Interval Airborne Radar in the Presence of Signal-Dependent Clutter **2020**,		0
122	Transceiver Design in Signal-Dependent Interference and Spectrally Dense Environments **2020**,		1
121	WRFRFT-based coherent detection and parameter estimation of radar moving target with unknown entry/departure time. *Signal Processing*, **2020**, 166, 107228	4.4	18
120	Human motion recognition exploiting radar with stacked recurrent neural network **2019**, 87, 125-131		41

119	Wideband MIMO Radar Waveform Design. *IEEE Transactions on Signal Processing*, **2019**, 67, 3487-3501	4.8	41
118	STGRFT for Detection of Maneuvering Weak Target With Multiple Motion Models. *IEEE Transactions on Signal Processing*, **2019**, 67, 1902-1917	4.8	37
117	Robust Human Targets Tracking for MIMO Through-Wall Radar via Multi-Algorithm Fusion. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 1154-1164	4.7	17
116	Wideband MIMO radar beampattern shaping with space-frequency nulling. *Signal Processing*, **2019**, 160, 80-87	4.4	23
115	. *IEEE Transactions on Aerospace and Electronic Systems*, **2019**, 55, 356-370	3.7	67
114	Detection and Localization for Multiple Stationary Human Targets Based on Cross-Correlation of Dual-Station SFCW Radars. *Remote Sensing*, **2019**, 11, 1428	5	9
113	Human Target Tracking for Small Aperture Through-wall Imaging Radar **2019**,		1
112	Mutual Information based Partial Band Coexistence for Joint Radar and Communication System **2019**,		6
111	Performance of Localization Estimation Rate for Radar-Communication system **2019**,		3
110	Moving Target Localization Behind L-shaped Corner With a UWB Radar **2019**,		5
109	OQAM-OFDM Signal based Radar IRCI Free Range Reconstruction **2019**,		1
108	Constant Modulus Waveform Design for Wideband MIMO Radar Beampattern **2019**,		2
107	Multipath Ghost and Side/Grating Lobe Suppression Based on Stacked Generative Adversarial Nets in MIMO Through-Wall Radar Imaging. *IEEE Access*, **2019**, 7, 143367-143380	3.5	4
106	Corner target positioning with unknown walls' positions. *Journal of Engineering*, **2019**, 2019, 6143-6146	0.7	5
105	Coherent detection method for maneuvering target with complex motions. *Journal of Engineering*, **2019**, 2019, 8032-8036	0.7	0
104	NLOS Targets Imaging with UWB Radar **2019**,		1
103	Mainlobe jamming suppression for distributed radar via joint blind source separation. *IET Radar, Sonar and Navigation*, **2019**, 13, 1189-1199	1.4	9
102	A suppression method against range deception jamming based on homologous localisation test. *Journal of Engineering*, **2019**, 2019, 6961-6965	0.7	0

101	Particle-filter-based human target tracking in image domain for through-wall imaging radar. *Journal of Engineering*, **2019**, 2019, 6549-6553	0.7	0
100	Prediction-based PSO algorithm for MIMO radar antenna deployment in dynamic environment. *Journal of Engineering*, **2019**, 2019, 6646-6650	0.7	1
99	Multipath Ghost Suppression Based on Generative Adversarial Nets in Through-Wall Radar Imaging. *Electronics (Switzerland)*, **2019**, 8, 626	2.6	3
98	Joint range-velocity deception jamming suppression for SIMO radar. *IET Radar, Sonar and Navigation*, **2019**, 13, 113-122	1.4	10
97	Radar Detection and Parameter Estimation of High-Speed Target Based on MART-LVT. *IEEE Sensors Journal*, **2019**, 19, 1478-1486	4	20
96	Computationally efficient coherent detection and parameter estimation algorithm for maneuvering target. *Signal Processing*, **2019**, 155, 130-142	4.4	36
95	. *IEEE Transactions on Aerospace and Electronic Systems*, **2018**, 54, 1871-1882	3.7	12
94	Multipath Ghost Suppression for Through-the-Wall Imaging Radar via Array Rotating. *IEEE Geoscience and Remote Sensing Letters*, **2018**, 15, 868-872	4.1	19
93	. *IEEE Transactions on Aerospace and Electronic Systems*, **2018**, 54, 269-283	3.7	28
92	Range jamming suppression with a coupled sequential estimation algorithm. *IET Radar, Sonar and Navigation*, **2018**, 12, 341-347	1.4	10
91	Antenna deployment method for multistatic radar under the situation of multiple regions for interference. *Signal Processing*, **2018**, 143, 292-297	4.4	21
90	A Coherent Detection and Velocity Estimation Algorithm for the High-Speed Target Based on the Modified Location Rotation Transform. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2018**, 11, 2346-2361	4.7	30
89	First-Order Rear-Wall Multipath Positioning and Suppression for Through-Wall Imaging Radar. *IEEE Sensors Journal*, **2018**, 1-1	4	6
88	Multipath model and ghosts localization for MIMO through-wall radar **2018**,		3
87	Mainlobe jamming suppression via blind source separation **2018**,		4
86	Constrained transmit beampattern design for colocated MIMO radar. *Signal Processing*, **2018**, 144, 145-154	4.4	43
85	Dual-Use Unimodular Sequence Design via Frequency Nulling Modulation. *IEEE Access*, **2018**, 6, 62470-62481	3.9	7
84	Cognitive Local Ambiguity Function Shaping With Spectral Coexistence. *IEEE Access*, **2018**, 6, 50077-50086	3.9	16

83	Narrow-Band Through-Wall Imaging with Received Signal Strength Data **2018**,		1
82	Multipath Analysis and Exploitation for MIMO Through-the-Wall Imaging Radar. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2018**, 11, 3721-3731	4.7	9
81	Human body and limb motion recognition via stacked gated recurrent units network. *IET Radar, Sonar and Navigation*, **2018**, 12, 1046-1051	1.4	25
80	Adaptive Detection of Distributed Targets in Gaussian Clutter Based on Multiple A-Priori Spectral Models. *Circuits, Systems, and Signal Processing*, **2017**, 36, 420-434	2.2	2
79	Robust constrained waveform design for MIMO radar with uncertain steering vectors. *Eurasip Journal on Advances in Signal Processing*, **2017**, 2017,	1.9	5
78	. *IEEE Transactions on Aerospace and Electronic Systems*, **2017**, 53, 1573-1580	3.7	37
77	Constant modulus sequence set design with good correlation properties. *Signal Processing*, **2017**, 139, 75-85	4.4	35
76	Constrained radar waveform design algorithm for spectral coexistence. *Electronics Letters*, **2017**, 53, 558-560	1.1	6
75	Detection of weak maneuvering target based on keystone transform and matched filtering process. *Signal Processing*, **2017**, 140, 127-138	4.4	41
74	Local Ambiguity Function Shaping via Unimodular Sequence Design. *IEEE Signal Processing Letters*, **2017**, 24, 977-981	3.2	35
73	Cognitive radar sequence design under the spectral compatibility requirements. *IET Radar, Sonar and Navigation*, **2017**, 11, 759-767	1.4	4
72	Radar waveform design against signal-dependent jamming **2017**,		3
71	A novel noncoherent localization approach for through-the-wall radar **2017**,		5
70	Range walk correction and velocity estimation for high-speed target detection **2017**,		6
69	Detection of weak maneuvering target based on KT-MFP **2017**,		2
68	Quadratic Optimization With Similarity Constraint for Unimodular Sequence Synthesis. *IEEE Transactions on Signal Processing*, **2017**, 65, 4756-4769	4.8	43
67	Space-Time Transmit Code and Receive Filter Design for Colocated MIMO Radar. *IEEE Transactions on Signal Processing*, **2017**, 65, 1116-1129	4.8	94
66	An adaptive sequential estimation algorithm for velocity jamming suppression. *Signal Processing*, **2017**, 134, 70-75	4.4	13

65	Detection and RM correction approach for manoeuvring target with complex motions. *IET Signal Processing*, **2017**, 11, 378-386	1.7	6
64	. *IEEE Transactions on Aerospace and Electronic Systems*, **2017**, 53, 2924-2935	3.7	24
63	Similarity-based multipath suppression algorithm for through-wall imaging radar. *IET Radar, Sonar and Navigation*, **2017**, 11, 1041-1050	1.4	8
62	Radar maneuvering target detection and motion parameter estimation based on TRT-SGRFT. *Signal Processing*, **2017**, 133, 107-116	4.4	29
61	Geometric barycenters for covariance estimation in compound-Gaussian clutter. *IET Radar, Sonar and Navigation*, **2017**, 11, 404-409	1.4	26
60	Coherent unambiguous transmit for sparse linear array with geography constraint. *IET Radar, Sonar and Navigation*, **2017**, 11, 386-393	1.4	4
59	Constant false alarm rate performance prediction for non-independent and non-identically distributed gamma fluctuating targets. *IET Radar, Sonar and Navigation*, **2016**, 10, 992-1000	1.4	1
58	Coupled sequential detection and estimation procedure for track-before-detect. *IET Radar, Sonar and Navigation*, **2016**, 10, 1168-1177	1.4	1
57	Manoeuvring target detection based on keystone transform and Lv's distribution. *IET Radar, Sonar and Navigation*, **2016**, 10, 1234-1242	1.4	34
56	Tasks scheduling for multistatic radar network **2016**,		1
55	A template fitting approach for cognitive unimodular sequence design. *Signal Processing*, **2016**, 128, 360-368	4.4	21
54	Fast Non-Searching Method for Maneuvering Target Detection and Motion Parameters Estimation. *IEEE Transactions on Signal Processing*, **2016**, 64, 2232-2244	4.8	111
53	Preferential optimal antenna placement for MIMO radar under the situation of multiple surveillance regions **2016**,		1
52	Multipath ghosts location and sub-aperture based suppression algorithm for TWIR **2016**,		5
51	CLEAN-based coherent integration method for high-speed multi-targets detection. *IET Radar, Sonar and Navigation*, **2016**, 10, 1671-1682	1.4	39
50	Fast implementation for modified adaptive multi-pulse compression. *Eurasip Journal on Advances in Signal Processing*, **2016**, 2016,	1.9	2
49	. *IEEE Transactions on Aerospace and Electronic Systems*, **2016**, 52, 2803-2814	3.7	36
48	Knowledge-Based Track-Before-Detect Strategies for Fluctuating Targets in K-Distributed Clutter. *IEEE Sensors Journal*, **2016**, 16, 7124-7132	4	17

47	Exact Distribution for the Product of Two Correlated Gaussian Random Variables. *IEEE Signal Processing Letters*, **2016**, 23, 1662-1666	3.2	22
46	Coherent Integration Algorithm for a Maneuvering Target With High-Order Range Migration. *IEEE Transactions on Signal Processing*, **2015**, 63, 4474-4486	4.8	81
45	Sidewall Detection Using Multipath in Through-Wall Radar Moving Target Tracking. *IEEE Geoscience and Remote Sensing Letters*, **2015**, 12, 1372-1376	4.1	11
44	A fast implementation of Dynamic Programming based Track-Before-Detect for radar system **2015**,		5
43	A modified adaptive multi-pulse compression algorithm for fast implementation **2015**,		3
42	Integrated radar and communication system based on stepped frequency continuous waveform **2015**,		1
41	. *IEEE Sensors Journal*, **2015**, 15, 6722-6729	4	25
40	Coherent Integration for Maneuvering Target Detection Based on Radon-Lvᴹ Distribution. *IEEE Signal Processing Letters*, **2015**, 22, 1467-1471	3.2	113
39	Range migration correction for maneuvering target based on generalized keystone transform **2015**,		8
38	Multiple moving targets tracking for through-wall imaging radar **2015**,		6
37	Track-before-detect for fluctuating targets using phase information **2015**,		1
36	Optimized phase-coded waveforms design against range repeat jamming **2015**,		2
35	Optimized phase-coded waveform design against velocity deception **2015**,		4
34	Particle filtering for target tracking using plot-sequences of multi-frame track before detect **2015**,		3
33	A Fast Maneuvering Target Motion Parameters Estimation Algorithm Based on ACCF. *IEEE Signal Processing Letters*, **2015**, 22, 270-274	3.2	85
32	MIMO Radar Moving Target Detection Against Compound-Gaussian Clutter. *Circuits, Systems, and Signal Processing*, **2014**, 33, 1819-1839	2.2	13
31	High speed maneuvering target detection based on joint keystone transform and CP function **2014**,		8
30	MIMO radar detection in compound-Gaussian clutter with inverse Gaussian texture **2014**,		1

29	Track-before-detect for fluctuating targets in heterogeneous clutter **2014**,		7
28	Multiple sensor Multi-Bernoulli filter based track-before-detect for polarimetric MIMO radars **2014**,		1
27	Distributed MIMO radar detection with channel evaluation and selection strategy **2014**,		3
26	Multi-target localization for noncoherent MIMO radar with widely separated antennas **2014**,		3
25	Adaptive Bayesian detection using polarimetric MIMO radar in spatially heterogeneous clutter **2014**,		1
24	Waveform design for MIMO radar with constant modulus and similarity constraints **2014**,		8
23	Multichannel and Multiview Imaging Approach to Building Layout Determination of Through-Wall Radar. *IEEE Geoscience and Remote Sensing Letters*, **2014**, 11, 970-974	4.1	26
22	MIMO Radar Waveform Design With Constant Modulus and Similarity Constraints. *IEEE Transactions on Signal Processing*, **2014**, 62, 343-353	4.8	231
21	Adaptive Transmit and Receive Beamforming for Interference Mitigation. *IEEE Signal Processing Letters*, **2014**, 21, 235-239	3.2	33
20	Wall compensation algorithm for through-wall-radar building layout imaging **2014**,		3
19	Efficient phase-modulated waveform design for active sensing systems **2014**,		7
18	MIMO radar moving target detection in compound-Gaussian clutter **2014**,		1
17	A correlation-based signal detection algorithm in passive radar with DVB-T2 emitter **2014**,		3
16	Phase-Modulated Waveform Evaluation and Selection Strategy in Compound-Gaussian Clutter. *IEEE Transactions on Signal Processing*, **2013**, 61, 1143-1148	4.8	7
15	Adaptive Bayesian Detection Using MIMO Radar in Spatially Heterogeneous Clutter. *IEEE Signal Processing Letters*, **2013**, 20, 547-550	3.2	23
14	Theoretical analysis of the sequential lobing technique for correlated targets. *IET Radar, Sonar and Navigation*, **2013**, 7, 443-450	1.4	1
13	The Rao and Wald Tests Designed for Distributed Targets with Polarization MIMO Radar in Compound-Gaussian Clutter. *Circuits, Systems, and Signal Processing*, **2012**, 31, 237-254	2.2	16
12	Signal detection with compressive measurements in correlated noise **2012**,		1

11	GLRT-based Detection Algorithm for Polarimetric MIMO Radar Against SIRV Clutter. *Circuits, Systems, and Signal Processing*, **2012**, 31, 1033-1048	2.2	17
10	Performance Analysis of Colocated MIMO Radars with Randomly Distributed Arrays in Compound-Gaussian Clutter. *Circuits, Systems, and Signal Processing*, **2012**, 31, 1407-1422	2.2	13
9	Performance prediction of the incoherent radar detector for Generalized Swerling-Chi fluctuating targets **2012**,		2
8	Reconstruction Filter Design for Stepped-Frequency Continuous Wave. *IEEE Transactions on Signal Processing*, **2012**, 60, 4421-4426	4.8	16
7	Closed Summation Expressions for PD and PFA of Adaptive Sidelobe Blanker Detection Algorithm. *IEICE Transactions on Communications*, **2012**, E95-B, 676-679	0.5	2
6	Method of Passive MMW Image Detection and Identification for Close Target. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2011**, 32, 102-115	2.2	11
5	GLRT design for polarimetric MIMO radar in non-Gaussian clutter **2011**,		3
4	UMPI Test in SIRV Distribution for the Multi-Rank Signal Model. *IEICE Transactions on Communications*, **2011**, E94-B, 368-371	0.5	2
3	Reiterative MSMIL-Based Interference Suppression Algorithm Combined with Two-Dimensional Adaptive Beamforming. *IEICE Transactions on Communications*, **2011**, E94-B, 1519-1521	0.5	
2	Two-step GLRT design of MIMO radar in compound-Gaussian clutter **2010**,		6
1	Micro-motion target sensing by stepped-frequency continuous-wave radar. *Journal of Electronics*, **2009**, 26, 782-787		