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List of Publications by Year
in descending order

262 papers	9,779 citations	71102 41 h-index	42399 92 g-index
264 all docs	264 docs citations	264 times ranked	4543 citing authors

#	Article	IF	Citations
1	A simple and efficient estimator for hyperbolic location. IEEE Transactions on Signal Processing, 1994, 42, 1905-1915.	5.3	1,952
2	An Accurate Algebraic Solution for Moving Source Location Using TDOA and FDOA Measurements. IEEE Transactions on Signal Processing, 2004, 52, 2453-2463.	5.3	456
3	Source Localization Using TDOA and FDOA Measurements in the Presence of Receiver Location Errors: Analysis and Solution. IEEE Transactions on Signal Processing, 2007, 55, 684-696.	5.3	452
4	Radar Signal Processing for Elderly Fall Detection: The future for in-home monitoring. IEEE Signal Processing Magazine, 2016, 33, 71-80.	5.6	294
5	Endmember Variability in Hyperspectral Analysis: Addressing Spectral Variability During Spectral Unmixing. IEEE Signal Processing Magazine, 2014, 31, 95-104.	5.6	292
6	Bias Reduction for an Explicit Solution of Source Localization Using TDOA. IEEE Transactions on Signal Processing, 2012, 60, 2101-2114.	5.3	253
7	A Microphone Array System for Automatic Fall Detection. IEEE Transactions on Biomedical Engineering, 2012, 59, 1291-1301.	4.2	241
8	An Asymptotically Efficient Estimator in Closed-Form for 3-D AOA Localization Using a Sensor Network. IEEE Transactions on Wireless Communications, 2015, 14, 6524-6535.	9.2	210
9	Solution and performance analysis of geolocation by TDOA. IEEE Transactions on Aerospace and Electronic Systems, 1993, 29, 1311-1322.	4.7	200
10	Doppler Radar Fall Activity Detection Using the Wavelet Transform. IEEE Transactions on Biomedical Engineering, 2015, 62, 865-875.	4.2	193
11	An Approximately Efficient TDOA Localization Algorithm in Closed-Form for Locating Multiple Disjoint Sources With Erroneous Sensor Positions. IEEE Transactions on Signal Processing, 2009, 57, 4598-4615.	5.3	182
12	Geolocation of a known altitude object from TDOA and FDOA measurements. IEEE Transactions on Aerospace and Electronic Systems, 1997, 33, 770-783.	4.7	180
13	Modulation identification of digital signals by the wavelet transform. IET Radar, Sonar & Navigation, 2000, 147, 169.	2.1	180
14	A Simple and Accurate TDOA-AOA Localization Method Using Two Stations. IEEE Signal Processing Letters, 2016, 23, 144-148.	3.6	175
15	Elliptic Localization: Performance Study and Optimum Receiver Placement. IEEE Transactions on Signal Processing, 2014, 62, 4673-4688.	5.3	140
16	Unified Near-Field and Far-Field Localization for AOA and Hybrid AOA-TDOA Positionings. IEEE Transactions on Wireless Communications, 2018, 17, 1242-1254.	9.2	137
17	An Asymptotically Efficient Estimator for TDOA and FDOA Positioning of Multiple Disjoint Sources in the Presence of Sensor Location Uncertainties. IEEE Transactions on Signal Processing, 2011, 59, 3434-3440.	5.3	132
18	An asymptotically unbiased estimator for bearings-only and Doppler-bearing target motion analysis. IEEE Transactions on Signal Processing, 2006, 54, 809-822.	5.3	110

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19	Solution and Analysis of TDOA Localization of a Near or Distant Source in Closed Form. IEEE Transactions on Signal Processing, 2019, 67, 320-335.	5.3	108
20	A Large-Scale Systematic Evaluation of Algorithms Using Ground-Penetrating Radar for Landmine Detection and Discrimination. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 2560-2572.	6.3	99
21	Linear prediction approach for efficient frequency estimation of multiple real sinusoids: algorithms and analyses. IEEE Transactions on Signal Processing, 2005, 53, 2290-2305.	5.3	98
22	A new constrained weighted least squares algorithm for TDOA-based localization. Signal Processing, 2013, 93, 2872-2878.	3.7	97
23	On the Use of a Calibration Emitter for Source Localization in the Presence of Sensor Position Uncertainty. IEEE Transactions on Signal Processing, 2008, 56, 5758-5772.	5.3	96
24	Passive Source Localization Using Time Differences of Arrival and Gain Ratios of Arrival. IEEE Transactions on Signal Processing, 2008, 56, 464-477.	5.3	93
25	An Investigation of Using the Spectral Characteristics From Ground Penetrating Radar for Landmine/Clutter Discrimination. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1177-1191.	6.3	93
26	TDOA Positioning Irrespective of Source Range. IEEE Transactions on Signal Processing, 2017, 65, 1447-1460.	5.3	88
27	A linear prediction land mine detection algorithm for hand held ground penetrating radar. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 1374-1384.	6.3	81
28	An Accurate Algebraic Closed-Form Solution for Energy-Based Source Localization. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 2542-2550.	3.2	81
29	Efficient closed-form estimators for multistatic sonar localization. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 600-614.	4.7	81
30	TDOA Source Localization in the Presence of Synchronization Clock Bias and Sensor Position Errors. IEEE Transactions on Signal Processing, 2013, 61, 4532-4544.	5.3	72
31	Alleviating Sensor Position Error in Source Localization Using Calibration Emitters at Inaccurate Locations. IEEE Transactions on Signal Processing, 2010, 58, 67-83.	5.3	68
32	Moving Target Localization in Multistatic Sonar by Differential Delays and Doppler Shifts. IEEE Signal Processing Letters, 2016, 23, 1160-1164.	3.6	67
33	Discrimination Mode Processing for EMI and GPR Sensors for Hand-Held Land Mine Detection. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 249-263.	6.3	58
34	Modulation identification by the wavelet transform. , 0, , .		57
35	Multistatic Localization in the Absence of Transmitter Position. IEEE Transactions on Signal Processing, 2019, 67, 4745-4760.	5.3	56
36	Convex Relaxation Methods for Unified Near-Field and Far-Field TDOA-Based Localization. IEEE Transactions on Wireless Communications, 2019, 18, 2346-2360.	9.2	56

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37	Identification of digital modulation types using the wavelet transform. , 0, , .		54
38	Efficient Source Separation Algorithms for Acoustic Fall Detection Using a Microsoft Kinect. IEEE Transactions on Biomedical Engineering, 2014, 61, 745-755.	4.2	54
39	Simple Formulae for Bias and Mean Square Error Computation [DSP Tips and Tricks]. IEEE Signal Processing Magazine, 2013, 30, 162-165.	5.6	47
40	Sensor Allocation for Source Localization With Decoupled Range and Bearing Estimation. IEEE Transactions on Signal Processing, 2008, 56, 5773-5789.	5.3	45
41	Robust heartbeat detection from in-home ballistocardiogram signals of older adults using a bed sensor. , 2015, 2015, 7175-9.		45
42	In-Home Fall Risk Assessment and Detection Sensor System. Journal of Gerontological Nursing, 2013, 39, 18-22.	0.6	45
43	Real-Time Landmine Detection with Ground-Penetrating Radar Using Discriminative and Adaptive Hidden Markov Models. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	42
44	Effect of Sensor Motion on Time Delay and Doppler Shift Localization: Analysis and Solution. IEEE Transactions on Signal Processing, 2019, 67, 5881-5895.	5.3	42
45	Feature and decision level sensor fusion of electromagnetic induction and ground penetrating radar sensors for landmine detection with hand-held units. Information Fusion, 2002, 3, 215-223.	19.1	40
46	A Study on the Effects of Sensor Position Error and the Placement of Calibration Emitter for Source Localization. IEEE Transactions on Wireless Communications, 2014, 13, 5440-5452.	9.2	40
47	Monitoring the Relative Blood Pressure Using a Hydraulic Bed Sensor System. IEEE Transactions on Biomedical Engineering, 2019, 66, 740-748.	4.2	40
48	Eigenspace Solution for AOA Localization in Modified Polar Representation. IEEE Transactions on Signal Processing, 2020, 68, 2256-2271.	5.3	38
49	Achieving Asymptotic Efficient Performance for Squared Range and Squared Range Difference Localizations. IEEE Transactions on Signal Processing, 2013, 61, 2836-2849.	5.3	35
50	Accurate Semidefinite Relaxation Method for Elliptic Localization With Unknown Transmitter Position. IEEE Transactions on Wireless Communications, 2021, 20, 2746-2760.	9.2	35
51	An Automated Acoustic System to Monitor and Classify Birds. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.7	34
52	Multistatic Moving Object Localization by a Moving Transmitter of Unknown Location and Offset. IEEE Transactions on Signal Processing, 2020, 68, 4438-4453.	5.3	34
53	TOA localization in the presence of random sensor position errors. , 2011, , .		32
54	An evaluation of several fusion algorithms for anti-tank landmine detection and discrimination. Information Fusion, 2012, 13, 161-174.	19.1	32

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55	Sensor Network-Based Rigid Body Localization via Semi-Definite Relaxation Using Arrival Time and Doppler Measurements. IEEE Transactions on Wireless Communications, 2019, 18, 1011-1025.	9.2	32
56	Particle Filtering Based Approach for Landmine Detection Using Ground Penetrating Radar. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3739-3755.	6.3	31
57	Transmit Precoding in Underlay MIMO Cognitive Radio With Unavailable or Imperfect Knowledge of Primary Interference Channel. IEEE Transactions on Wireless Communications, 2016, 15, 5143-5155.	9.2	31
58	Bias removal in equation-error adaptive IIR filters. IEEE Transactions on Signal Processing, 1995, 43, 51-62.	5.3	30
59	Joint time-scale and TDOA estimation: analysis and fast approximation. IEEE Transactions on Signal Processing, 2005, 53, 2625-2634.	5.3	30
60	On Bandwidth Selection in Local Polynomial Regression Analysis and Its Application to Multi-resolution Analysis of Non-uniform Data. Journal of Signal Processing Systems, 2008, 52, 263-280.	2.1	30
61	Successive and Asymptotically Efficient Localization of Sensor Nodes in Closed-Form. IEEE Transactions on Signal Processing, 2009, 57, 4522-4537.	5.3	30
62	Acoustic fall detection using a circular microphone array. , 2010, 2010, 2242-5.		30
63	Accurate Localization of a Rigid Body Using Multiple Sensors and Landmarks. IEEE Transactions on Signal Processing, 2015, 63, 6459-6472.	5.3	30
64	Localization of a Moving Object With Sensors in Motion by Time Delays and Doppler Shifts. IEEE Transactions on Signal Processing, 2020, 68, 5824-5841.	5.3	30
65	An efficient closed-form localization solution from time difference of arrival measurements. , 0, , .		29
66	Optimizing the multiwavelet shrinkage denoising. IEEE Transactions on Signal Processing, 2005, 53, 240-251.	5.3	29
67	Heart rate monitoring using hydraulic bed sensor ballistocardiogram1. Journal of Ambient Intelligence and Smart Environments, 2017, 9, 193-207.	1.4	29
68	3-D array pattern synthesis with frequency Invariant property for concentric ring array. IEEE Transactions on Signal Processing, 2006, 54, 780-784.	5.3	28
69	Accurate sequential self-localization of sensor nodes in closed-form. Signal Processing, 2012, 92, 2940-2951.	3.7	28
70	A digital quadrature demodulation system. IEEE Transactions on Aerospace and Electronic Systems, 1996, 32, 1218-1227.	4.7	27
71	Bias Reduced Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. IEEE Transactions on Signal Processing, 2021, 69, 3415-3430.	5.3	27
72	Source localization using TDOA with erroneous receiver positions. , 0, , .		26

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73	A quadratic constraint solution method for TDOA and FDOA localization. , 2011, , .		26
74	Multiple Instance Dictionary Learning for Beat-to-Beat Heart Rate Monitoring From Ballistocardiograms. IEEE Transactions on Biomedical Engineering, 2018, 65, 2634-2648.	4.2	26
75	Optimum discrete wavelet scaling and its application to delay and Doppler estimation. IEEE Transactions on Signal Processing, 1998, 46, 2285-2290.	5.3	25
76	Elliptic and hyperbolic localizations using minimum measurement solutions. Signal Processing, 2020, 167, 107273.	3.7	25
77	Testing non-wearable fall detection methods in the homes of older adults. , 2016, 2016, 557-560.		24
78	Adaptive time-delay estimation in nonstationary signal and/or noise power environments. IEEE Transactions on Signal Processing, 1993, 41, 2289-2299.	5.3	23
79	Modified Taylor-series Method for Source and Receiver Localization Using TDOA Measurements with Erroneous Receiver Positions. , 0, , .		23
80	Accurate Rigid Body Localization via Semidefinite Relaxation Using Range Measurements. IEEE Signal Processing Letters, 2018, 25, 378-382.	3.6	22
81	Localization of a Moving Source by Frequency Measurements. IEEE Transactions on Signal Processing, 2020, 68, 4839-4854.	5.3	21
82	Adaptive Blind Narrowband Interference Cancellation for Multi-User Detection. IEEE Transactions on Wireless Communications, 2007, 6, 1024-1033.	9.2	20
83	Pulse rate estimation using hydraulic bed sensor. , 2012, 2012, 2587-90.		20
84	Bias analysis of maximum likelihood target location estimator. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2679-2693.	4.7	20
85	Performance analysis of a split-path LMS adaptive filter for AR modeling. IEEE Transactions on Signal Processing, 1992, 40, 1375-1382.	5.3	19
86	Alternate Source and Receiver Location Estimation Using TDOA with Receiver Position Uncertainties. , 0, , .		18
87	Semidefinite relaxation method for unified near-Field and far-Field localization by AOA. Signal Processing, 2021, 181, 107916.	3.7	18
88	Joint Source and Sensor Localization by Angles of Arrival. IEEE Transactions on Signal Processing, 2020, 68, 6521-6534.	5.3	18
89	Adaptive sparse system identification using wavelets. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2002, 49, 656-667.	2.2	16
90	Bias analysis of source localization using the maximum likelihood estimator. , 2012, , .		16

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91	Wavelet based speech presence probability estimator for speech enhancement. , 2012, 22, 1161-1173.		16
92	A Large-Scale Multi-Institutional Evaluation of Advanced Discrimination Algorithms for Buried Threat Detection in Ground Penetrating Radar. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6929-6945.	6.3	16
93	Robust Ellipse Fitting With Laplacian Kernel Based Maximum Correntropy Criterion. IEEE Transactions on Image Processing, 2021, 30, 3127-3141.	9.8	16
94	Rapid identification of a sparse impulse response using an adaptive algorithm in the Haar domain. IEEE Transactions on Signal Processing, 2003, 51, 628-638.	5.3	15
95	Classification of BPSK and QPSK signals with unknown signal level using the Bayes technique. , 0, , .		15
96	Improving landmine detection using frequency domain features from ground penetrating radar. , 0, , .		15
97	Rank Properties for Matrices Constructed From Time Differences of Arrival. IEEE Transactions on Signal Processing, 2018, 66, 3491-3503.	5.3	15
98	Range-Based Rigid Body Localization With a Calibration Emitter for Mitigating Anchor Position Uncertainties. IEEE Transactions on Wireless Communications, 2019, 18, 5734-5748.	9.2	15
99	3-D Target Localization and Motion Analysis Based on Doppler Shifted Frequencies. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 815-833.	4.7	15
100	Rapid identification of a sparse impulse response using an adaptive algorithm in the Haar domain. IEEE Transactions on Signal Processing, 2003, 51, 628-638.	5.3	14
101	Algebraic Solution for Joint Localization and Synchronization of Multiple Sensor Nodes in the Presence of Beacon Uncertainties. IEEE Transactions on Wireless Communications, 2014, 13, 5196-5210.	9.2	14
102	An Investigation and Solution of Angle Based Rigid Body Localization. IEEE Transactions on Signal Processing, 2020, 68, 5457-5472.	5.3	14
103	Antenna array likelihood modulation classifier for BPSK and QPSK signals. , 0, , .		13
104	Doppler-Bearing Tracking in the Presence of Observer Location Error. IEEE Transactions on Signal Processing, 2008, 56, 4082-4087.	5.3	13
105	On the registration of FLGPR and IR data for a forward-looking landmine detection system and its use in eliminating FLGPR false alarms. , 2008, , .		13
106	Forward looking anomaly detection via fusion of infrared and color imagery. Proceedings of SPIE, 2010, , .	0.8	13
107	Asymptotically efficient estimators for the fittings of coupled circles and ellipses. , 2014, 25, 28-40.		13
108	Accurate and Effective Localization of an Object in Large Equal Radius Scenario. IEEE Transactions on Wireless Communications, 2016, 15, 8273-8285.	9.2	13

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109	Geometric-Polar Tracking From Bearings-Only and Doppler-Bearing Measurements. IEEE Transactions on Signal Processing, 2008, 56, 5540-5554.	5.3	12
110	Refining inaccurate sensor positions using target at unknown location. Signal Processing, 2012, 92, 2097-2104.	3.7	12
111	Estimation of human walking speed by Doppler radar for elderly care. Journal of Ambient Intelligence and Smart Environments, 2017, 9, 181-191.	1.4	12
112	Optimal sensor placement for source tracking under synchronization offsets and sensor location errors with distance-dependent noises. Signal Processing, 2022, 193, 108399.	3.7	12
113	Moving target localization in multistatic sonar using time delays, Doppler shifts and arrival angles. , 2017, , .		11
114	Localization Using Time-Delay and Doppler Shift by Moving Monostatic Sensors. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2560-2567.	4.7	11
115	Computationally Attractive and Location Robust Estimator for IoT Device Positioning. IEEE Internet of Things Journal, 2022, 9, 10891-10907.	8.7	11
116	Pulse arrival time estimation based on pulse sample ratios. IET Radar, Sonar & Navigation, 1995, 142, 153.	2.1	10
117	A minimum misadjustment adaptive FIR filter. IEEE Transactions on Signal Processing, 1996, 44, 577-585.	5.3	10
118	Sensor-fused detection of explosive hazards. , 2009, , .		10
119	Improved detection and false alarm rejection using FLGPR and color imagery in a forward-looking system. , 2010, , .		10
120	Doppler radar sensor positioning in a fall detection system. , 2012, 2012, 256-9.		10
121	Multiple kernel learning for explosive hazard detection in forward-looking ground-penetrating radar. , 2012, , .		10
122	Noise resilient solution and its analysis for multistatic localization using differential arrival times. Signal Processing, 2021, 188, 108237.	3.7	10
123	Elliptic Localization of a Moving Object by Transmitter at Unknown Position and Velocity: A Semidefinite Relaxation Approach. IEEE Transactions on Mobile Computing, 2023, 22, 2675-2692.	5.8	10
124	Constrained adaptation for time delay estimation with multipath propagation. IEE Proceedings, Part F: Radar and Signal Processing, 1991, 138, 453.	0.2	9
125	On improving the accuracy of a wavelet based identifier to classify CDMA signal and GSM signal. , 0, , .		9
126	Aircraft identification from RCS measurement using an orthogonal transform. IET Radar, Sonar & Navigation, 2000, 147, 93.	2.1	9

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127	A novel partial adaptive broad-band beamformer using concentric ring array. , 0, , .		9
128	Landmine detection using frequency domain features from GPR measurements and their fusion with time domain features. , 2005, , .		9
129	Generalized two-sided linear prediction approach for land mine detection. Signal Processing, 2008, 88, 1053-1060.	3.7	9
130	Evaluation and improvement of spectral features for the detection of buried explosive hazards using forward-looking ground-penetrating radar. , 2012, , .		9
131	Optimum sensor placement for fully and partially controllable sensor networks: A unified approach. Signal Processing, 2014, 102, 58-63.	3.7	9
132	Classification of Brainwaves Using Convolutional Neural Network. , 2019, 2019, .		9
133	Multistatic Localization in Partially Dynamic Scenario With Only Sensor Positions Available. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3416-3432.	4.7	9
134	Geolocalization by combined range difference and range rate difference measurements. , 0, , .		8
135	Multiresolution analysis, its link to the discrete parameter wavelet transform, and its initialization. IEEE Transactions on Signal Processing, 1996, 44, 1001-1006.	5.3	8
136	A study of two adaptive filters in tandem. IEEE Transactions on Signal Processing, 2000, 48, 1626-1636.	5.3	8
137	Locally adaptive detection algorithm for forward-looking ground-penetrating radar. Proceedings of SPIE, 2010, , .	0.8	8
138	Non-Invasive Heart Rate Estimation From Ballistocardiograms Using Bidirectional LSTM Regression. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3396-3407.	6.3	8
139	Estimation of delay and Doppler by wavelet transform. , 0, , .		7
140	Modulation classification of BPSK and QPSK signals using a two element antenna array receiver. , 0, , .		7
141	Design of broad-band circular ring microphone array for speech acquisition in 3-D. , 0, , .		7
142	Speech separation algorithms for multiple speaker environments. , 2008, , .		7
143	Narrow-band processing and fusion approach for explosive hazard detection in FLGPR. , 2011, , .		7
144	A Unified Estimator for Source Positioning and DOA Estimation Using AOA. , 2018, , .		7

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145	Algebraic Complete Solution for Joint Source and Sensor Localization Using Time of Flight Measurements. IEEE Transactions on Signal Processing, 2020, 68, 1853-1869.	5.3	7
146	A new constrained least mean square time-delay estimation system. IEEE Transactions on Circuits and Systems, 1990, 37, 1060-1064.	0.9	6
147	Filter design and comparison for two fast CWT algorithms. IEEE Transactions on Signal Processing, 1999, 47, 3013-3026.	5.3	6
148	Taylor-series Technique for Source Localization using AoAs in the Presence of Sensor Location Errors. , 0, , .		6
149	Orthogonal symmetric prefilter banks for discrete multiwavelet transforms. IEEE Signal Processing Letters, 2006, 13, 145-148.	3.6	6
150	Spatial Correlation Coefficient Images for Ultrasonic Detection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1841-1850.	3.0	6
151	A Study of the Partially Adaptive Concentric RingÂArray. Circuits, Systems, and Signal Processing, 2008, 27, 733-748.	2.0	6
152	Detection of shallow buried objects using an autoregressive model on the ground penetrating radar signal. Proceedings of SPIE, 2013, , .	0.8	6
153	A Novel Expectation-Maximization Framework for Speech Enhancement in Non-Stationary Noise Environments. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 335-346.	5.8	6
154	Localization of a mobile rigid sensor network. , 2016, , .		6
155	Solutions and evaluations for fitting of concentric circles. Signal Processing, 2016, 120, 468-479.	3.7	6
156	Radar placement for fall detection: SignatureÂand performance. Journal of Ambient Intelligence and Smart Environments, 2018, 10, 21-34.	1.4	6
157	Accurate Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. , 2020, , .		6
158	Dwt domain split-path structure LMS adaptive filter. Electronics Letters, 1992, 28, 1929.	1.0	5
159	A new sampling of echo paths in North American networks. , 0, , .		5
160	Novel sparse adaptive algorithm in the Haar transform domain. , 0, , .		5
161	On the Use of Energy Density Spectra for Discriminating Between Landmines and Clutter Objects. , 0, , .		5
162	An Improved Partial Adaptive Narrow-Band Beamformer Using Concentric Ring Array. , 0, , .		5

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163	On using multiple calibration emitters and their geometric effects for removing sensor position errors in TDOA localization. , 2010, , .		5
164	Improving acoustic fall recognition by adaptive signal windowing. , 2011, 2011, 7589-92.		5
165	Detection of deeply buried non-metal objects by ground penetrating radar using non-negative matrix factorization. Proceedings of SPIE, 2015, , .	0.8	5
166	Robust transmit precoding for underlay MIMO cognitive radio with interference leakage rate limit. , 2016, , .		5
167	Improving TOA Localization Through Outlier Detection Using Intersection of Lines of Position. , 2018, , .		5
168	Uncovering Source Ranges From Range Differences Observed by Sensors at Unknown Positions: Fundamental Theory. IEEE Transactions on Signal Processing, 2019, 67, 2665-2678.	5.3	5
169	Three Dimensional Source Localization Using Arrival Angles from Linear Arrays: Analytical Investigation and Optimal Solution. IEEE Transactions on Signal Processing, 2022, 70, 1864-1879.	5.3	5
170	Computationally attractive and statistically efficient estimator for noise resilient TOA localization. Signal Processing, 2022, 200, 108663.	3.7	5
171	Fast CWT computation at integer scales by the generalized MRA structure. IEEE Transactions on Signal Processing, 1998, 46, 501-506.	5.3	4
172	Identification of CDMA signal and GSM signal using the wavelet transform. , 0, , .		4
173	TDOA-SDOA estimation with moving source and receivers. , 0, , .		4
174	An iterative approximate MAP symbol estimator for uncoded synchronous CDMA. IEEE Transactions on Wireless Communications, 2005, 4, 1663-1673.	9.2	4
175	Development of region processing algorithm for HSTAMIDS: status and field test results. , 2007, , .		4
176	Unbiased equation-error based algorithms for efficient system identification using noisy measurements. Signal Processing, 2007, 87, 1014-1030.	3.7	4
177	On improving subspace spectral feature technique for the detection of weak scattering plastic antitank landmines. Proceedings of SPIE, 2009, , .	0.8	4
178	Detection of explosive hazards using spectrum features from forward-looking ground penetrating radar imagery. Proceedings of SPIE, 2011, , .	0.8	4
179	Improving automatic sound-based fall detection using iVAT clustering and GA-based feature selection. , 2012, 2012, 5867-70.		4
180	On the estimation of target depth using the single transmit multiple receive metal detector array. Proceedings of SPIE, 2012, , .	0.8	4

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181	On the use of log-gabor features for subsurface object detection using ground penetrating radar. Proceedings of SPIE, 2016, , .	0.8	4
182	A Markov Chain Monte Carlo Alternating Minimization Algorithm for Asynchronous Relay Network Localization. IEEE Wireless Communications Letters, 2017, 6, 278-281.	5.0	4
183	Bayesian multi-antenna sensing in cognitive radio networks using Fractional Bayes Factor. , 2017, , .		4
184	Split structure for adaptive line enhancer. International Journal of Electronics, 1991, 70, 565-571.	1.4	3
185	A new configuration for convergence speedup in adaptive time-delay estimation. IEEE Transactions on Signal Processing, 1992, 40, 2683-2691.	5.3	3
186	Split filter structures for LMS adaptive filtering. Signal Processing, 1995, 46, 255-266.	3.7	3
187	Modified CRLB on the modulation parameters of a PSK signal. , 0, , .		3
188	An iterative maximum a posteriori (MAP) estimator for multiuser detection in synchronous CDMA systems. , 2002, , .		3
189	An unbiased estimator for bearings-only tracking and Doppler-bearing tracking. , 0, , .		3
190	Beampattern synthesis for concentric circular ring array using MMSE design. , 0, , .		3
191	Classification of BPSK and QPSK Signals Using an Antenna Array. Circuits, Systems, and Signal Processing, 2005, 24, 343-361.	2.0	3
192	An analysis of sweep patterns for a handheld demining system. , 2006, 6217, 887.		3
193	Taylor-series technique for moving source localization in the presence of sensor location errors. , 0, , .		3
194	Generalized Discrete Multiwavelet Transform With Embedded Orthogonal Symmetric Prefilter Bank. IEEE Transactions on Signal Processing, 2007, 55, 5619-5629.	5.3	3
195	Land Mine and Clutter Object Discrimination Using Wavelet and Time Domain Spatially Distributed Features from Metal Detectors and Their Fusion with GPR Features for Hand-Held Units. Circuits, Systems, and Signal Processing, 2007, 26, 165-191.	2.0	3
196	Sparsity promoted non-negative matrix factorization for source separation and detection. , 2014, , .		3
197	Sequential feature selection for detecting buried objects using forward looking ground penetrating radar. , 2016, , .		3
198	Second-Order Performance Analysis and Unbiased Estimation for the Fitting of Concentric Circles. Journal of Mathematical Imaging and Vision, 2017, 57, 340-365.	1.3	3

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199	Room Geometry Estimation Using the Multipath Delays. IEEE Signal Processing Letters, 2021, 28, 1380-1384.	3.6	3
200	Semidefinite Relaxation Method for Moving Object Localization Using a Stationary Transmitter at Unknown Position. , 2022, , .		3
201	Localization Through Transceivers in Unknown Constant Velocity Trajectories. IEEE Transactions on Signal Processing, 2022, 70, 3011-3028.	5.3	3
202	Adaptive time delay estimation in noisy environments. , 1991, , .		2
203	Filter design for CWT computation using the Shensa algorithm. , 1999, , .		2
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