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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	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
2	Enhanced precoder for secondary user of MIMO cognitive radio in the presence of CSIT uncertainties in the desired and interference links. Signal Processing, 2022, 190, 108294.	3.7	1
3	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
4	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
5	Computationally Attractive and Location Robust Estimator for IoT Device Positioning. IEEE Internet of Things Journal, 2022, 9, 10891-10907.	8.7	11
6	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
7	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
8	Semidefinite Relaxation Method for Moving Object Localization Using a Stationary Transmitter at Unknown Position. , 2022, , .		3
9	Localization Through Transceivers in Unknown Constant Velocity Trajectories. IEEE Transactions on Signal Processing, 2022, 70, 3011-3028.	5.3	3
10	Computationally attractive and statistically efficient estimator for noise resilient TOA localization. Signal Processing, 2022, 200, 108663.	3.7	5
11	Semidefinite relaxation method for unified near-Field and far-Field localization by AOA. Signal Processing, 2021, 181, 107916.	3.7	18
12	Robust Ellipse Fitting With Laplacian Kernel Based Maximum Correntropy Criterion. IEEE Transactions on Image Processing, 2021, 30, 3127-3141.	9.8	16
13	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
14	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
15	Room Geometry Estimation Using the Multipath Delays. IEEE Signal Processing Letters, 2021, 28, 1380-1384.	3.6	3
16	Accurate Semidefinite Relaxation Method for Elliptic Localization With Unknown Transmitter Position. IEEE Transactions on Wireless Communications, 2021, 20, 2746-2760.	9.2	35
17	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
18	Noise resilient solution and its analysis for multistatic localization using differential arrival times. Signal Processing, 2021, 188, 108237.	3.7	10

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19	Elliptic and hyperbolic localizations using minimum measurement solutions. Signal Processing, 2020, 167, 107273.	3.7	25
20	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
21	Localization of a Moving Source by Frequency Measurements. IEEE Transactions on Signal Processing, 2020, 68, 4839-4854.	5.3	21
22	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
23	An Investigation and Solution of Angle Based Rigid Body Localization. IEEE Transactions on Signal Processing, 2020, 68, 5457-5472.	5.3	14
24	Objective Bayesian Detection Under Spatially Correlated Gaussian Observations for Multi-Antenna Cognitive Radio Network. , 2020, , .		1
25	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
26	Eigenspace Solution for AOA Localization in Modified Polar Representation. IEEE Transactions on Signal Processing, 2020, 68, 2256-2271.	5.3	38
27	Accurate Semidefinite Relaxation Method for 3-D Rigid Body Localization Using AOA. , 2020, , .		6
28	Accurate Localization of AUV in Motion by Explicit Solution Using Time Delays. , 2020, , .		2
29	Joint Source and Sensor Localization by Angles of Arrival. IEEE Transactions on Signal Processing, 2020, 68, 6521-6534.	5.3	18
30	Monitoring the Relative Blood Pressure Using a Hydraulic Bed Sensor System. IEEE Transactions on Biomedical Engineering, 2019, 66, 740-748.	4.2	40
31	Multistatic Localization in the Absence of Transmitter Position. IEEE Transactions on Signal Processing, 2019, 67, 4745-4760.	5.3	56
32	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
33	Algebraic Solution for Tdoa Localization in Modified Polar Representation. , 2019, , .		2
34	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
35	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
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	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
38	Classification of Brainwaves Using Convolutional Neural Network. , 2019, 2019, .		9
39	Improving Elliptic/Hyperbolic Localization Under Multipath Environment Using Neural Network for Outlier Detection. , 2019, , .		2
40	Robust ToA-Based Localization in a Mixed LOS/NLOS Environment Using Hybrid Mapping Technique. , 2019, , .		2
41	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
42	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
43	Accurate Rigid Body Localization via Semidefinite Relaxation Using Range Measurements. IEEE Signal Processing Letters, 2018, 25, 378-382.	3.6	22
44	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
45	Constrained CramÃ©râ€"Rao Lower Bound in Errors-In Variables (EIV) models: Revisited. Statistics and Probability Letters, 2018, 135, 118-126.	0.7	2
46	Complexity-Reduced Solution for TDOA Source Localization in Large Equal Radius Scenario with Sensor Position Errors. , 2018, , .		0
47	Performance of Square-Range Least Squares and Square-Range Least Absolute Deviations for the Self-Localization of Sensor Nodes Using Convex Relaxations. , 2018, , .		1
48	Improving TOA Localization Through Outlier Detection Using Intersection of Lines of Position. , 2018, , .		5
49	Radar placement for fall detection: SignatureÂand performance. Journal of Ambient Intelligence and Smart Environments, 2018, 10, 21-34.	1.4	6
50	A Unified Estimator for Source Positioning and DOA Estimation Using AOA. , 2018, , .		7
51	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
52	Rank Properties for Matrices Constructed From Time Differences of Arrival. IEEE Transactions on Signal Processing, 2018, 66, 3491-3503.	5.3	15
53	A Markov Chain Monte Carlo Alternating Minimization Algorithm for Asynchronous Relay Network Localization. IEEE Wireless Communications Letters, 2017, 6, 278-281.	5.0	4
54	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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55	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
56	Heart rate monitoring using hydraulic bed sensor ballistocardiogram1. Journal of Ambient Intelligence and Smart Environments, 2017, 9, 193-207.	1.4	29
57	Moving target localization in multistatic sonar using time delays, Doppler shifts and arrival angles. , 2017, , .		11
58	Bayesian multi-antenna sensing in cognitive radio networks using Fractional Bayes Factor. , 2017, , .		4
59	TDOA Positioning Irrespective of Source Range. IEEE Transactions on Signal Processing, 2017, 65, 1447-1460.	5.3	88
60	Moving Target Localization in Multistatic Sonar by Differential Delays and Doppler Shifts. IEEE Signal Processing Letters, 2016, 23, 1160-1164.	3.6	67
61	Localization of a mobile rigid sensor network. , 2016, , .		6
62	Robust transmit precoding for underlay MIMO cognitive radio with interference leakage rate limit. , 2016, , .		5
63	On the use of log-gabor features for subsurface object detection using ground penetrating radar. Proceedings of SPIE, 2016, , .	0.8	4
64	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
65	Sequential feature selection for detecting buried objects using forward looking ground penetrating radar. , 2016, , .		3
66	Accurate and Effective Localization of an Object in Large Equal Radius Scenario. IEEE Transactions on Wireless Communications, 2016, 15, 8273-8285.	9.2	13
67	Testing non-wearable fall detection methods in the homes of older adults. , 2016, 2016, 557-560.		24
68	Solutions and evaluations for fitting of concentric circles. Signal Processing, 2016, 120, 468-479.	3.7	6
69	Radar Signal Processing for Elderly Fall Detection: The future for in-home monitoring. IEEE Signal Processing Magazine, 2016, 33, 71-80.	5.6	294
70	A Simple and Accurate TDOA-AOA Localization Method Using Two Stations. IEEE Signal Processing Letters, 2016, 23, 144-148.	3.6	175
71	Accurate Localization of a Rigid Body Using Multiple Sensors and Landmarks. IEEE Transactions on Signal Processing, 2015, 63, 6459-6472.	5.3	30
72	Robust heartbeat detection from in-home ballistocardiogram signals of older adults using a bed sensor. , 2015, 2015, 7175-9.		45

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73	Anomaly detection of subsurface objects using handheld ground-penetrating radar. Proceedings of SPIE, 2015, , .	0.8	2
74	Detection of deeply buried non-metal objects by ground penetrating radar using non-negative matrix factorization. Proceedings of SPIE, 2015, , .	0.8	5
75	Efficient closed-form estimators for multistatic sonar localization. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 600-614.	4.7	81
76	Explosive hazard detection using MIMO forward-looking ground penetrating radar. , 2015, , .		1
77	Anchor nodes refinement in joint localization and synchronization of a sensor node. , 2015, , .		2
78	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
79	Doppler Radar Fall Activity Detection Using the Wavelet Transform. IEEE Transactions on Biomedical Engineering, 2015, 62, 865-875.	4.2	193
80	Reaching asymptotic efficient performance for squared processing of range and range difference localizations in the presence of sensor position errors. , 2014, , .		2
81	Bias analysis of maximum likelihood target location estimator. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2679-2693.	4.7	20
82	Elliptic Localization: Performance Study and Optimum Receiver Placement. IEEE Transactions on Signal Processing, 2014, 62, 4673-4688.	5.3	140
83	Sparsity promoted non-negative matrix factorization for source separation and detection. , 2014, , .		3
84	A Theoretical study on the placement of microphone arrays for improving the localization accuracy of a fall. , 2014, 2014, 4523-6.		0
85	Optimum sensor placement for fully and partially controllable sensor networks: A unified approach. Signal Processing, 2014, 102, 58-63.	3.7	9
86	Efficient Source Separation Algorithms for Acoustic Fall Detection Using a Microsoft Kinect. IEEE Transactions on Biomedical Engineering, 2014, 61, 745-755.	4.2	54
87	Improving the projection method for TOA source localization in the presence of sensor position errors. , 2014, , .		1
88	Endmember Variability in Hyperspectral Analysis: Addressing Spectral Variability During Spectral Unmixing. IEEE Signal Processing Magazine, 2014, 31, 95-104.	5.6	292
89	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
90	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

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91	Asymptotically efficient estimators for the fittings of coupled circles and ellipses. , 2014, 25, 28-40.		13
92	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
93	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
94	Localization of an acoustic source using smart phones. , 2013, , .		1
95	A new constrained weighted least squares algorithm for TDOA-based localization. Signal Processing, 2013, 93, 2872-2878.	3.7	97
96	Detection of shallow buried objects using an autoregressive model on the ground penetrating radar signal. Proceedings of SPIE, 2013, , .	0.8	6
97	Simple Formulae for Bias and Mean Square Error Computation [DSP Tips and Tricks]. IEEE Signal Processing Magazine, 2013, 30, 162-165.	5.6	47
98	Achieving Asymptotic Efficient Performance for Squared Range and Squared Range Difference Localizations. IEEE Transactions on Signal Processing, 2013, 61, 2836-2849.	5.3	35
99	Joint source localization and sensor position refinement for sensor networks. , 2013, , .		2
100	In-Home Fall Risk Assessment and Detection Sensor System. Journal of Gerontological Nursing, 2013, 39, 18-22.	0.6	45
101	Circle fitting using semi-definite programming. , 2012, , .		0
102	Doppler radar sensor positioning in a fall detection system. , 2012, 2012, 256-9.		10
103	Bias analysis of source localization using the maximum likelihood estimator. , 2012, , .		16
104	Improving automatic sound-based fall detection using iVAT clustering and GA-based feature selection. , 2012, 2012, 5867-70.		4
105	Bias compensation for target tracking from range based Maximum Likelihood position estimates. , 2012, , .		2
106	Pulse rate estimation using hydraulic bed sensor. , 2012, 2012, 2587-90.		20
107	Bias Reduction for an Explicit Solution of Source Localization Using TDOA. IEEE Transactions on Signal Processing, 2012, 60, 2101-2114.	5.3	253
108	Improved speech presence probability estimation based on wavelet denoising. , 2012, , .		1

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109	On the estimation of target depth using the single transmit multiple receive metal detector array. Proceedings of SPIE, 2012, , .	0.8	4
110	Evaluation and improvement of spectral features for the detection of buried explosive hazards using forward-looking ground-penetrating radar. , 2012, , .		9
111	Multiple kernel learning for explosive hazard detection in forward-looking ground-penetrating radar. , 2012, , .		10
112	Wavelet based speech presence probability estimator for speech enhancement. , 2012, 22, 1161-1173.		16
113	Accurate sequential self-localization of sensor nodes in closed-form. Signal Processing, 2012, 92, 2940-2951.	3.7	28
114	An evaluation of several fusion algorithms for anti-tank landmine detection and discrimination. Information Fusion, 2012, 13, 161-174.	19.1	32
115	Refining inaccurate sensor positions using target at unknown location. Signal Processing, 2012, 92, 2097-2104.	3.7	12
116	A Microphone Array System for Automatic Fall Detection. IEEE Transactions on Biomedical Engineering, 2012, 59, 1291-1301.	4.2	241
117	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
118	A quadratic constraint solution method for TDOA and FDOA localization. , 2011, , .		26
119	Detection of explosive hazards using spectrum features from forward-looking ground penetrating radar imagery. Proceedings of SPIE, 2011, , .	0.8	4
120	Narrow-band processing and fusion approach for explosive hazard detection in FLGPR. , 2011, , .		7
121	TOA localization in the presence of random sensor position errors. , 2011, , .		32
122	Improving acoustic fall recognition by adaptive signal windowing. , 2011, 2011, 7589-92.		5
123	Effect of radar undesirable characteristics on the performance of spectral feature landmine detection technique. Proceedings of SPIE, 2010, , .	0.8	0
124	Locally adaptive detection algorithm for forward-looking ground-penetrating radar. Proceedings of SPIE, 2010, , .	0.8	8
125	Improved detection and false alarm rejection using FLGPR and color imagery in a forward-looking system. , 2010, , .		10
126	Acoustic fall detection using a circular microphone array. , 2010, 2010, 2242-5.		30

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127	On using multiple calibration emitters and their geometric effects for removing sensor position errors in TDOA localization. , 2010, , .		5
128	A multimodal Matching Pursuits Dissimilarity Measure applied to landmine/clutter discrimination. , 2010, , .		0
129	Forward looking anomaly detection via fusion of infrared and color imagery. Proceedings of SPIE, 2010, , .	0.8	13
130	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
131	Solutions and comparison of Maximum Likelihood and Full-Least-Squares estimations for circle fitting. , 2009, , .		2
132	Successive and Asymptotically Efficient Localization of Sensor Nodes in Closed-Form. IEEE Transactions on Signal Processing, 2009, 57, 4522-4537.	5.3	30
133	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
134	Sensor-fused detection of explosive hazards. , 2009, , .		10
135	On improving subspace spectral feature technique for the detection of weak scattering plastic antitank landmines. Proceedings of SPIE, 2009, , .	0.8	4
136	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
137	A Study of the Partially Adaptive Concentric RingÂArray. Circuits, Systems, and Signal Processing, 2008, 27, 733-748.	2.0	6
138	Generalized two-sided linear prediction approach for land mine detection. Signal Processing, 2008, 88, 1053-1060.	3.7	9
139	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
140	Sensor Allocation for Source Localization With Decoupled Range and Bearing Estimation. IEEE Transactions on Signal Processing, 2008, 56, 5773-5789.	5.3	45
141	Geometric-Polar Tracking From Bearings-Only and Doppler-Bearing Measurements. IEEE Transactions on Signal Processing, 2008, 56, 5540-5554.	5.3	12
142	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
143	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
144	The effect of energy measurements on improving the range and bearing estimation in a hybrid energy and TDOA localization system. , 2008, , .		1

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145	Doppler-Bearing Tracking in the Presence of Observer Location Error. IEEE Transactions on Signal Processing, 2008, 56, 4082-4087.	5.3	13
146	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
147	On particle filters for landmine detection using impulse ground penetrating radar. , 2008, , .		1
148	Speech separation algorithms for multiple speaker environments. , 2008, , .		7
149	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
150	Energy-based source localization with non-ideal energy decay factor. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
151	An integrated approach to robust speaker identification and speech recognition. , 2008, , .		2
152	On the use of aggregation operator for humanitarian demining using hand-held GPR. , 2008, , .		0
153	Optimizing the performance of the partial adaptive concentric ring array in the presence of prior knowledge. , 2008, , .		0
154	Subspace processing of GPR signals for vehicle-mounted landmine detection system. Proceedings of SPIE, 2008, , .	0.8	1
155	Denoising for Generalized Sidelobe Canceller. , 2007, , .		0
156	Confidence level fusion of edge histogram descriptor, hidden Markov model, spectral correlation feature, and NUKEv6. , 2007, , .		2
157	Development of region processing algorithm for HSTAMIDS: status and field test results. , 2007, , .		4
158	Adaptive Blind Narrowband Interference Cancellation for Multi-User Detection. IEEE Transactions on Wireless Communications, 2007, 6, 1024-1033.	9.2	20
159	Spatial Correlation Coefficient Images for Ultrasonic Detection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1841-1850.	3.0	6
160	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
161	Generalized Discrete Multiwavelet Transform With Embedded Orthogonal Symmetric Prefilter Bank. IEEE Transactions on Signal Processing, 2007, 55, 5619-5629.	5.3	3
162	Ultrasonic Detection Using Correlation Images. AIP Conference Proceedings, 2007, , .	0.4	1

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163	Unbiased equation-error based algorithms for efficient system identification using noisy measurements. Signal Processing, 2007, 87, 1014-1030.	3.7	4
164	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
165	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
166	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
167	Orthogonal symmetric prefilter banks for discrete multiwavelet transforms. IEEE Signal Processing Letters, 2006, 13, 145-148.	3.6	6
168	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
169	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
170	An analysis of sweep patterns for a handheld demining system. , 2006, 6217, 887.		3
171	Improving spectral features from GPR by exploring the depth information. , 2006, , .		2
172	An Automated Acoustic System to Monitor and Classify Birds. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.7	34
173	On the confidence level fusion of IR and forward-looking GPR. , 2006, 6217, 860.		0
174	Classification of BPSK and QPSK Signals Using an Antenna Array. Circuits, Systems, and Signal Processing, 2005, 24, 343-361.	2.0	3
175	Landmine detection using frequency domain features from GPR measurements and their fusion with time domain features. , 2005, , .		9
176	Joint time-scale and TDOA estimation: analysis and fast approximation. IEEE Transactions on Signal Processing, 2005, 53, 2625-2634.	5.3	30
177	An iterative approximate MAP symbol estimator for uncoded synchronous CDMA. IEEE Transactions on Wireless Communications, 2005, 4, 1663-1673.	9.2	4
178	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
179	Optimizing the multiwavelet shrinkage denoising. IEEE Transactions on Signal Processing, 2005, 53, 240-251.	5.3	29
180	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

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181	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
182	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
183	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
184	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
185	Dynamic template-matching-based processing for handheld landmine detector. , 2003, 5089, 1261.		0
186	Adaptive sparse system identification using wavelets. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2002, 49, 656-667.	2.2	16
187	An iterative maximum a posteriori (MAP) estimator for multiuser detection in synchronous CDMA systems. , 2002, , .		3
188	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
189	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
190	An iterative algorithm for two-scale wavelet decomposition. IEEE Transactions on Signal Processing, 2001, 49, 254-257.	5.3	1
191	Performance of multiple LMS adaptive filters in tandem. IEEE Transactions on Signal Processing, 2001, 49, 2762-2773.	5.3	2
192	Aircraft identification from RCS measurement using an orthogonal transform. IET Radar, Sonar & Navigation, 2000, 147, 93.	2.1	9
193	Modulation identification of digital signals by the wavelet transform. IET Radar, Sonar & Navigation, 2000, 147, 169.	2.1	180
194	A study of two adaptive filters in tandem. IEEE Transactions on Signal Processing, 2000, 48, 1626-1636.	5.3	8
195	Filter design for CWT computation using the Shensa algorithm. , 1999, , .		2
196	Filter design and comparison for two fast CWT algorithms. IEEE Transactions on Signal Processing, 1999, 47, 3013-3026.	5.3	6
197	Signal identification by orthogonal transforms. IET Radar, Sonar & Navigation, 1998, 145, 145.	2.1	0
198	Fast CWT computation at integer scales by the generalized MRA structure. IEEE Transactions on Signal Processing, 1998, 46, 501-506.	5.3	4

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199	Optimum discrete wavelet scaling and its application to delay and Doppler estimation. IEEE Transactions on Signal Processing, 1998, 46, 2285-2290.	5.3	25
200	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
201	A minimum misadjustment adaptive FIR filter. IEEE Transactions on Signal Processing, 1996, 44, 577-585.	5.3	10
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