

# Hing Cheung So

## List of Publications by Year in descending order

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356  
papers

11,669  
citations

30047

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46771

89  
g-index

358  
all docs

358  
docs citations

358  
times ranked

5723  
citing authors

#	ARTICLE	IF	CITATIONS
1	Least Squares Algorithms for Time-of-Arrival-Based Mobile Location. IEEE Transactions on Signal Processing, 2004, 52, 1121-1128.	3.2	439
2	Time-of-Arrival Based Localization Under NLOS Conditions. IEEE Transactions on Vehicular Technology, 2006, 55, 17-24.	3.9	404
3	Joint Range and Angle Estimation Using MIMO Radar With Frequency Diverse Array. IEEE Transactions on Signal Processing, 2015, 63, 3396-3410.	3.2	342
4	Transmit Subaperturing for Range and Angle Estimation in Frequency Diverse Array Radar. IEEE Transactions on Signal Processing, 2014, 62, 2000-2011.	3.2	266
5	Linear Least Squares Approach for Accurate Received Signal Strength Based Source Localization. IEEE Transactions on Signal Processing, 2011, 59, 4035-4040.	3.2	211
6	A Constrained Least Squares Approach to Mobile Positioning: Algorithms and Optimality. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	204
7	SELL-MUSIC: Robust Direction-of-Arrival Estimator for Impulsive Noise Environments. IEEE Transactions on Signal Processing, 2013, 61, 4296-4308.	3.2	182
8	An Overview on Time/Frequency Modulated Array Processing. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 228-246.	7.3	182
9	Deceptive jamming suppression with frequency diverse MIMO radar. Signal Processing, 2015, 113, 9-17.	2.1	175
10	A fast algorithm for 2-D direction-of-arrival estimation. Signal Processing, 2003, 83, 1827-1831.	2.1	160
11	Analysis and spectral characteristics of a spread-spectrum technique for conducted EMI suppression. IEEE Transactions on Power Electronics, 2000, 15, 399-410.	5.4	157
12	A multidimensional scaling framework for mobile location using time-of-arrival measurements. IEEE Transactions on Signal Processing, 2005, 53, 460-470.	3.2	150
13	Suppression of Mainbeam Deceptive Jammer With FDA-MIMO Radar. IEEE Transactions on Vehicular Technology, 2020, 69, 11584-11598.	3.9	149
14	Semi-Definite Programming Algorithms for Sensor Network Node Localization With Uncertainties in Anchor Positions and/or Propagation Speed. IEEE Transactions on Signal Processing, 2009, 57, 752-763.	3.2	146
15	Non-Line-of-Sight Node Localization Based on Semi-Definite Programming in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2012, 11, 108-116.	6.1	133
16	A comparative study of carrier-frequency modulation techniques for conducted EMI suppression in PWM converters. IEEE Transactions on Industrial Electronics, 2002, 49, 618-627.	5.2	129
17	Unimodular Sequence Design Based on Alternating Direction Method of Multipliers. IEEE Transactions on Signal Processing, 2016, 64, 5367-5381.	3.2	126
18	A new algorithm for explicit adaptation of time delay. IEEE Transactions on Signal Processing, 1994, 42, 1816-1820.	3.2	110

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19	Closed-Form Formulae for Time-Difference-of-Arrival Estimation. IEEE Transactions on Signal Processing, 2008, 56, 2614-2620.	3.2	104
20	Sparse Bayesian Learning Approach for Outlier-Resistant Direction-of-Arrival Estimation. IEEE Transactions on Signal Processing, 2018, 66, 744-756.	3.2	104
21	Space-Time Adaptive Processing With Vertical Frequency Diverse Array for Range-Ambiguous Clutter Suppression. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5352-5364.	2.7	102
22	Nonuniform Frequency Diverse Array for Range-Angle Imaging of Targets. IEEE Sensors Journal, 2014, 14, 2469-2476.	2.4	101
23	Source Enumeration Via MDL Criterion Based on Linear Shrinkage Estimation of Noise Subspace Covariance Matrix. IEEE Transactions on Signal Processing, 2013, 61, 4806-4821.	3.2	99
24	Linear prediction approach for efficient frequency estimation of multiple real sinusoids: algorithms and analyses. IEEE Transactions on Signal Processing, 2005, 53, 2290-2305.	3.2	98
25	Sparsity-aware transmit beamspace design for FDA-MIMO radar. Signal Processing, 2018, 144, 99-103.	2.1	98
26	A new constrained weighted least squares algorithm for TDOA-based localization. Signal Processing, 2013, 93, 2872-2878.	2.1	97
27	Weighted least squares algorithm for target localization in distributed MIMO radar. Signal Processing, 2015, 115, 144-150.	2.1	95
28	Coherent Pulsed-FDA Radar Receiver Design With Time-Variance Consideration: SINR and CRB Analysis. IEEE Transactions on Signal Processing, 2018, 66, 200-214.	3.2	95
29	A comparative investigation on the use of random modulation schemes for DC/DC converters. IEEE Transactions on Industrial Electronics, 2000, 47, 253-263.	5.2	86
30	Lagrange Programming Neural Network Approach for Target Localization in Distributed MIMO Radar. IEEE Transactions on Signal Processing, 2016, 64, 1574-1585.	3.2	85
31	Robust Adaptive Beamforming for Fast-Moving Target Detection With FDA-STAP Radar. IEEE Transactions on Signal Processing, 2017, 65, 973-984.	3.2	84
32	A Generalized Subspace Approach for Mobile Positioning With Time-of-Arrival Measurements. IEEE Transactions on Signal Processing, 2007, 55, 5103-5107.	3.2	83
33	Best linear unbiased estimator approach for time-of-arrival based localisation. IET Signal Processing, 2008, 2, 156.	0.9	82
34	Direction-of-Arrival Estimation of Coherent Signals via Coprime Array Interpolation. IEEE Signal Processing Letters, 2020, 27, 585-589.	2.1	82
35	Semidefinite Programming Approach for Range-Difference Based Source Localization. IEEE Transactions on Signal Processing, 2009, 57, 1630-1633.	3.2	79
36	Underdetermined DOA Estimation for Wideband Signals Using Robust Sparse Covariance Fitting. IEEE Signal Processing Letters, 2015, 22, 435-439.	2.1	78

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37	Accurate approximation algorithm for TOA-based maximum likelihood mobile location using semidefinite programming. , 0, , .		77
38	Efficient BeamSpace-Based Algorithm for Two-Dimensional DOA Estimation of Incoherently Distributed Sources in Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 11776-11789.	3.9	77
39	Efficient Weighted Multidimensional Scaling for Wireless Sensor Network Localization. IEEE Transactions on Signal Processing, 2009, 57, 4548-4553.	3.2	76
40	A survey on 5G massive MIMO localization. , 2019, 94, 21-28.		74
41	Joint time delay and frequency estimation via state-space realization. IEEE Signal Processing Letters, 2003, 10, 339-342.	2.1	73
42	Accurate Frequency Estimation for Real Harmonic Sinusoids. IEEE Signal Processing Letters, 2004, 11, 609-612.	2.1	73
43	Improved Unitary Root-MUSIC for DOA Estimation Based on Pseudo-Noise Resampling. IEEE Signal Processing Letters, 2014, 21, 140-144.	2.1	73
44	On wavelet denoising and its applications to time delay estimation. IEEE Transactions on Signal Processing, 1999, 47, 2879-2882.	3.2	71
45	Exploiting Reactive Mobility for Collaborative Target Detection in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2010, 9, 317-332.	3.9	71
46	Tensor-MODE for multi-dimensional harmonic retrieval with coherent sources. Signal Processing, 2015, 108, 530-534.	2.1	71
47	A generalized weighted linear predictor frequency estimation approach for a complex sinusoid. IEEE Transactions on Signal Processing, 2006, 54, 1304-1315.	3.2	70
48	Outlier-Robust Matrix Completion via $\ell_{1,p}$ -Minimization. IEEE Transactions on Signal Processing, 2018, 66, 1125-1140.	3.2	70
49	A study of two-dimensional sensor placement using time-difference-of-arrival measurements. , 2009, 19, 650-659.		67
50	Comparison of various periodograms for sinusoid detection and frequency estimation. IEEE Transactions on Aerospace and Electronic Systems, 1999, 35, 945-952.	2.6	65
51	Reformulation of Pisarenko Harmonic Decomposition Method for Single-Tone Frequency Estimation. IEEE Transactions on Signal Processing, 2004, 52, 1128-1135.	3.2	65
52	Shrinkage Linear and Widely Linear Complex-Valued Least Mean Squares Algorithms for Adaptive Beamforming. IEEE Transactions on Signal Processing, 2015, 63, 119-131.	3.2	65
53	Waveform Design With Unit Modulus and Spectral Shape Constraints via Lagrange Programming Neural Network. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1377-1386.	7.3	63
54	Robust MIMO radar target localization via nonconvex optimization. Signal Processing, 2016, 122, 33-38.	2.1	61

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55	An improved DV-Hop localization algorithm for wireless sensor networks. , 2008, , .		59
56	Robust Adaptive Beamforming via Simplified Interference Power Estimation. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3139-3152.	2.6	59
57	Augmented Covariance Matrix Reconstruction for DOA Estimation Using Difference Coarray. IEEE Transactions on Signal Processing, 2021, 69, 5345-5358.	3.2	59
58	Enhanced PUMA for Direction-of-Arrival Estimation and Its Performance Analysis. IEEE Transactions on Signal Processing, 2016, 64, 4127-4137.	3.2	58
59	An Improved DV-Hop Localization Algorithm with Reduced Node Location Error for Wireless Sensor Networks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2008, E91-A, 2232-2236.	0.2	56
60	Simple and Accurate Two-Dimensional Angle Estimation for a Single Source With Uniform Circular Array. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 78-80.	2.4	55
61	Impaired Sensor Diagnosis, Beamforming, and DOA Estimation With Difference Co-Array Processing. IEEE Sensors Journal, 2015, 15, 3773-3780.	2.4	55
62	Outlier-Robust Greedy Pursuit Algorithms in $\ell_1$ and $\ell_2$ Norms for Sparse Approximation. IEEE Transactions on Signal Processing, 2016, 64, 60-75.	3.2	55
63	Symmetric Displaced Coprime Array Configurations for Mixed Near- and Far-Field Source Localization. IEEE Transactions on Antennas and Propagation, 2021, 69, 465-477.	3.1	55
64	Passive Localization of Near-Field Sources With a Polarization Sensitive Array. IEEE Transactions on Antennas and Propagation, 2007, 55, 2402-2408.	3.1	53
65	Accurate Distributed Range-Based Positioning Algorithm for Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2009, 57, 4100-4105.	3.2	53
66	An Efficient Approach for Two-Dimensional Parameter Estimation of a Single-Tone. IEEE Transactions on Signal Processing, 2010, 58, 1999-2009.	3.2	53
67	Mixed far-field and near-field source localization based on subarray cross-cumulant. Signal Processing, 2018, 150, 51-56.	2.1	52
68	Minimum Dispersion Beamforming for Non-Gaussian Signals. IEEE Transactions on Signal Processing, 2014, 62, 1879-1893.	3.2	51
69	Off-grid DOA estimation with nonconvex regularization via joint sparse representation. Signal Processing, 2017, 140, 171-176.	2.1	50
70	Semi-Blind Receivers for Joint Symbol and Channel Estimation in Space-Time-Frequency MIMO-OFDM Systems. IEEE Transactions on Signal Processing, 2013, 61, 5444-5457.	3.2	49
71	An Eigenvalue-Moment-Ratio Approach to Blind Spectrum Sensing for Cognitive Radio Under Sample-Starving Environment. IEEE Transactions on Vehicular Technology, 2015, 64, 3465-3480.	3.9	49
72	Novel Centroid Localization Algorithm for Three-Dimensional Wireless Sensor Networks. , 2008, , .		48

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73	Simple Formulae for Bias and Mean Square Error Computation [DSP Tips and Tricks]. IEEE Signal Processing Magazine, 2013, 30, 162-165.	4.6	47
74	Robust Beamforming by Linear Programming. IEEE Transactions on Signal Processing, 2014, 62, 1834-1849.	3.2	47
75	DOA Estimation in Impulsive Noise via Low-Rank Matrix Approximation and Weakly Convex Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3603-3616.	2.6	47
76	A Comparative Study of Two Discrete-Time Phase Delay Estimators. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2501-2504.	2.4	46
77	Real-Valued Sparse Bayesian Learning for DOA Estimation With Arbitrary Linear Arrays. IEEE Transactions on Signal Processing, 2021, 69, 4977-4990.	3.2	45
78	Sparse Array Beampattern Synthesis via Alternating Direction Method of Multipliers. IEEE Transactions on Antennas and Propagation, 2018, 66, 2333-2345.	3.1	44
79	MMSE-Based MDL Method for Robust Estimation of Number of Sources Without Eigendecomposition. IEEE Transactions on Signal Processing, 2009, 57, 4135-4142.	3.2	42
80	Underdetermined DOA estimation of quasi-stationary signals via Khatri-Rao structure for uniform circular array. Signal Processing, 2015, 106, 41-48.	2.1	41
81	New Approaches to Direction-of-Arrival Estimation With Sensor Arrays in Unknown Nonuniform Noise. IEEE Sensors Journal, 2016, 16, 8982-8989.	2.4	41
82	Detection of number of components in CANDECOMP/PARAFAC models via minimum description length. , 2016, 51, 110-123.		41
83	Widely Linear Complex-Valued Estimated-Input LMS Algorithm for Bias-Compensated Adaptive Filtering With Noisy Measurements. IEEE Transactions on Signal Processing, 2019, 67, 3592-3605.	3.2	41
84	Received signal strength based mobile positioning via constrained weighted least squares. , 0, , .		40
85	Accurate time delay estimation based passive localization. Signal Processing, 2009, 89, 1835-1838.	2.1	40
86	Robust Matrix Completion via Alternating Projection. IEEE Signal Processing Letters, 2017, 24, 579-583.	2.1	40
87	Two Simplified Recursive Gauss-Newton Algorithms for Direct Amplitude and Phase Tracking of a Real Sinusoid. IEEE Signal Processing Letters, 2007, 14, 972-975.	2.1	39
88	Accurate three-step algorithm for joint source position and propagation speed estimation. Signal Processing, 2007, 87, 3096-3100.	2.1	38
89	Minimum local peak sidelobe level waveform design with correlation and/or spectral constraints. Signal Processing, 2020, 171, 107450.	2.1	38
90	Target Localization With Jammer Removal Using Frequency Diverse Array. IEEE Transactions on Vehicular Technology, 2020, 69, 11685-11696.	3.9	38

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91	Time-delay estimation for sinusoidal signals. IET Radar, Sonar & Navigation, 2001, 148, 318.	2.1	37
92	Maximum <i>A Posteriori</i> Approach to Time-of-Arrival-Based Localization in Non-Line-of-Sight Environment. IEEE Transactions on Vehicular Technology, 2010, 59, 1517-1523.	3.9	37
93	Shaped Power Pattern Synthesis With Minimization of Dynamic Range Ratio. IEEE Transactions on Antennas and Propagation, 2019, 67, 3067-3078.	3.1	37
94	A comparative study of three recursive least-squares algorithms for single-tone frequency tracking. Signal Processing, 2003, 83, 2059-2062.	2.1	36
95	Mainlobe Deceptive Jammer Suppression with FDA-MIMO Radar. , 2018, , .		36
96	MIMO Radar Waveform Design for Quasi-Equiripple Transmit Beampattern Synthesis via Weighted $\ell_p$ -Minimization. IEEE Transactions on Signal Processing, 2019, 67, 3397-3411.	3.2	36
97	Robust MIMO radar target localization based on lagrange programming neural network. Signal Processing, 2020, 174, 107574.	2.1	35
98	Adaptive algorithm for sinusoidal interference cancellation. Electronics Letters, 1997, 33, 1910.	0.5	34
99	Subspace-Based Algorithm for Parameter Estimation of Polynomial Phase Signals. IEEE Transactions on Signal Processing, 2008, 56, 4977-4983.	3.2	34
100	A Novel Subspace Approach for Cooperative Localization in Wireless Sensor Networks Using Range Measurements. IEEE Transactions on Signal Processing, 2009, 57, 260-269.	3.2	34
101	Adaptive algorithm for direct frequency estimation. IET Radar, Sonar & Navigation, 2004, 151, 359.	2.1	33
102	Accurate and Computationally Efficient Tensor-Based Subspace Approach for Multidimensional Harmonic Retrieval. IEEE Transactions on Signal Processing, 2012, 60, 5077-5088.	3.2	33
103	Circular/hyperbolic/elliptic localization via Euclidean norm elimination. Signal Processing, 2018, 148, 102-113.	2.1	33
104	Volume-based method for spectrum sensing. , 2014, 28, 48-56.		32
105	Resolving Range Ambiguity via Multiple-Input Multiple-Output Radar With Element-Pulse Coding. IEEE Transactions on Signal Processing, 2020, 68, 2770-2783.	3.2	32
106	TDOA-based localization with NLOS mitigation via robust model transformation and neurodynamic optimization. Signal Processing, 2021, 178, 107774.	2.1	32
107	Particle Filtering Based Approach for Landmine Detection Using Ground Penetrating Radar. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3739-3755.	2.7	31
108	MMSE-Based MDL Method for Accurate Source Number Estimation. IEEE Signal Processing Letters, 2009, 16, 798-801.	2.1	31

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109	Quadratically Constrained Minimum Dispersion Beamforming via Gradient Projection. IEEE Transactions on Signal Processing, 2015, 63, 192-205.	3.2	31
110	Phase Retrieval Using Feasible Point Pursuit: Algorithms and Cram��r�� Rao Bound. IEEE Transactions on Signal Processing, 2016, 64, 5282-5296.	3.2	31
111	Coarray Interpolation for DOA Estimation Using Coprime EMVS Array. IEEE Signal Processing Letters, 2021, 28, 548-552.	2.1	31
112	Closed-form unbiased frequency estimation of a noisy sinusoid using notch filters. IEEE Transactions on Automatic Control, 2003, 48, 1285-1292.	3.6	30
113	Subspace Approach for Fast and Accurate Single-Tone Frequency Estimation. IEEE Transactions on Signal Processing, 2011, 59, 827-831.	3.2	30
114	Maximum Likelihood TDOA Estimation From Compressed Sensing Samples Without Reconstruction. IEEE Signal Processing Letters, 2017, 24, 564-568.	2.1	30
115	An $\ell_1$ -norm minimization approach to time delay estimation in impulsive noise. , 2013, 23, 1247-1254.		29
116	$\ell_1$ -norm based iterative adaptive approach for robust spectral analysis. Signal Processing, 2014, 94, 144-148.	2.1	29
117	Two-stage autocorrelation approach for accurate single sinusoidal frequency estimation. Signal Processing, 2008, 88, 1852-1857.	2.1	28
118	Mobility-Assisted Spatiotemporal Detection in Wireless Sensor Networks. , 2008, , .		28
119	Modified Pisarenko Harmonic Decomposition for Single-Tone Frequency Estimation. IEEE Transactions on Signal Processing, 2008, 56, 3351-3356.	3.2	28
120	Non-Uniform Burst-Sparsity Learning for Massive MIMO Channel Estimation. IEEE Transactions on Signal Processing, 2019, 67, 1075-1087.	3.2	28
121	Min-Max Metric for Spectrally Compatible Waveform Design Via Log-Exponential Smoothing. IEEE Transactions on Signal Processing, 2020, 68, 1075-1090.	3.2	28
122	A Study on Particle Filters for Single-Tone Frequency Tracking. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 1111-1125.	2.6	27
123	Lagrange programming neural networks for time-of-arrival-based source localization. Neural Computing and Applications, 2014, 24, 109-116.	3.2	27
124	Variance analysis of unbiased least squares estimator in non-Gaussian noise. Signal Processing, 2016, 122, 190-203.	2.1	27
125	A Family of Adaptive Decorrelation NLMS Algorithms and Its Diffusion Version Over Adaptive Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 638-649.	3.5	27
126	Comparative study of five LMS-based adaptive time delay estimators. IET Radar, Sonar & Navigation, 2001, 148, 9.	2.1	26



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127	FDA radar with doppler-spreading consideration: Mainlobe clutter suppression for blind-doppler target detection. <i>Signal Processing</i> , 2021, 179, 107773.	2.1	26
128	Tensor Approach for Eigenvector-Based Multi-Dimensional Harmonic Retrieval. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 3378-3388.	3.2	25
129	Accurate Performance Analysis of Hadamard Ratio Test for Robust Spectrum Sensing. <i>IEEE Transactions on Wireless Communications</i> , 2015, 14, 750-758.	6.1	25
130	Square-Root Lasso With Nonconvex Regularization: An ADMM Approach. <i>IEEE Signal Processing Letters</i> , 2016, 23, 934-938.	2.1	25
131	Augmented Lagrange Programming Neural Network for Localization Using Time-Difference-of-Arrival Measurements. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 3879-3884.	7.2	25
132	On time delay estimation using an FIR filter. <i>Signal Processing</i> , 2001, 81, 1777-1782.	2.1	24
133	An exact analysis of Pisarenko's single-tone frequency estimation algorithm. <i>Signal Processing</i> , 2003, 83, 685-690.	2.1	24
134	Mobile Scheduling for Spatiotemporal Detection in Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2010, 21, 1851-1866.	4.0	24
135	Convergence Analysis for Initial Condition Estimation in Coupled Map Lattice Systems. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 4426-4432.	3.2	24
136	Beamforming via Nonconvex Linear Regression. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 1714-1728.	3.2	24
137	TOA-Based Localization With NLOS Mitigation via Robust Multidimensional Similarity Analysis. <i>IEEE Signal Processing Letters</i> , 2019, 26, 1334-1338.	2.1	24
138	Spectrally-Agile Waveform Design for Wideband MIMO Radar Transmit Beampattern Synthesis via Majorization-ADMM. <i>IEEE Transactions on Signal Processing</i> , 2021, 69, 1563-1578.	3.2	24
139	LMS-based algorithm for unbiased FIR filtering with noisy measurements. <i>Electronics Letters</i> , 2001, 37, 1418.	0.5	23
140	Robust adaptive beamforming with random steering vector mismatch. <i>Signal Processing</i> , 2016, 129, 190-194.	2.1	23
141	Spatial Smoothing PAST Algorithm for DOA Tracking Using Difference Coarray. <i>IEEE Signal Processing Letters</i> , 2019, 26, 1623-1627.	2.1	23
142	A Hybrid TDOA-Fingerprinting-Based Localization System for LTE Network. <i>IEEE Sensors Journal</i> , 2020, 20, 13653-13665.	2.4	23
143	Two adaptive algorithms for multipath time delay estimation. <i>IEEE Journal of Oceanic Engineering</i> , 1994, 19, 458-463.	2.1	22
144	Multidimensional Sinusoidal Frequency Estimation Using Subspace and Projection Separation Approaches. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 5536-5543.	3.2	22

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145	A flexible semi-definite programming approach for source localization problems. , 2013, 23, 601-609.		22
146	Target estimation in bistatic MIMO radar via tensor completion. Signal Processing, 2016, 120, 654-659.	2.1	22
147	Beampattern Synthesis for Frequency Diverse Array via Reweighted $\ell_1$ Iterative Phase Compensation. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 467-475.	2.6	22
148	Beampattern synthesis with minimal dynamic range ratio. Signal Processing, 2018, 152, 411-416.	2.1	22
149	Focusing Hypersonic Vehicle-Borne SAR Data Using Radius/Angle Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 281-293.	2.7	22
150	Rank-One Matrix Approximation With $\ell_{2,1}$ -Norm for Image Inpainting. IEEE Signal Processing Letters, 2020, 27, 680-684.	2.1	22
151	Collaborative Target Detection in Wireless Sensor Networks with Reactive Mobility. IEEE International Workshop on Quality of Service, 2008, , .	0.0	21
152	Spectrally compatible aperiodic sequence set design with low cross- and auto-correlation PSL. Signal Processing, 2021, 183, 107960.	2.1	21
153	Noisy input-output system identification approach for time delay estimation. Signal Processing, 2002, 82, 1471-1475.	2.1	20
154	Multidimensional prewhitening for enhanced signal reconstruction and parameter estimation in colored noise with Kronecker correlation structure. Signal Processing, 2013, 93, 3209-3226.	2.1	20
155	Robust Matched Filtering in $\ell_p$ -Space. IEEE Transactions on Signal Processing, 2015, 63, 6184-6199.	3.2	20
156	Spectrally Constrained Unimodular Sequence Design Without Spectral Level Mask. IEEE Signal Processing Letters, 2018, 25, 1004-1008.	2.1	20
157	Array Beampattern Synthesis Without Specifying Lobe Level Masks. IEEE Transactions on Antennas and Propagation, 2020, 68, 4526-4539.	3.1	20
158	Maximum Correntropy Criterion for Robust TOA-Based Localization in NLOS Environments. Circuits, Systems, and Signal Processing, 2021, 40, 6325-6339.	1.2	20
159	Modified LMS algorithm for unbiased impulse response estimation in nonstationary noise. Electronics Letters, 1999, 35, 791.	0.5	19
160	Joint time delay and frequency estimation of multiple sinusoids. , 0, , .		19
161	Adaptive multiple-beamformers for reception of coherent signals with known directions in the presence of uncorrelated interferences. Signal Processing, 2004, 84, 1861-1873.	2.1	19
162	Model-Based Speech Enhancement With Improved Spectral Envelope Estimation via Dynamics Tracking. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1324-1336.	3.8	19

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163	Processing of Long Integration Time Spaceborne SAR Data With Curved Orbit. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 888-904.	2.7	19
164	Tensor Completion via Generalized Tensor Tubal Rank Minimization Using General Unfolding. IEEE Signal Processing Letters, 2018, 25, 868-872.	2.1	19
165	Weakly Convex Regularized Robust Sparse Recovery Methods With Theoretical Guarantees. IEEE Transactions on Signal Processing, 2019, 67, 5046-5061.	3.2	19
166	Orthogonal tubal rank-1 tensor pursuit for tensor completion. Signal Processing, 2019, 157, 213-224.	2.1	19
167	Approximate maximum likelihood delay estimation via orthogonal wavelet transform. IEEE Transactions on Signal Processing, 1999, 47, 1193-1198.	3.2	18
168	Efficient Approach for Sinusoidal Frequency Estimation of Gapped Data. IEEE Signal Processing Letters, 2010, 17, 611-614.	2.1	18
169	Robust DOA Estimation Against Mutual Coupling With Nested Array. IEEE Signal Processing Letters, 2020, 27, 1360-1364.	2.1	18
170	Sum Capacity of One-Sided Parallel Gaussian Interference Channels. IEEE Transactions on Information Theory, 2008, 54, 468-472.	1.5	17
171	Cooperative Node Localization for Mobile Sensor Networks. , 2008, , .		17
172	Range-based source localisation with pure reflector in presence of multipath propagation. Electronics Letters, 2010, 46, 957.	0.5	17
173	Localization of coherent signals without source number knowledge in unknown spatially correlated Gaussian noise. Signal Processing, 2015, 111, 170-178.	2.1	17
174	Sparse and Truncated Nuclear Norm Based Tensor Completion. Neural Processing Letters, 2017, 45, 729-743.	2.0	17
175	On optimizations with magnitude constraints on frequency or angular responses. Signal Processing, 2018, 145, 214-224.	2.1	17
176	FDA-MIMO Signal Processing for Mainlobe Jammer Suppression. , 2019, , .		17
177	An improvement to the explicit time delay estimator. , 0, , .		16
178	Analysis of an LMS algorithm for unbiased impulse response estimation. IEEE Transactions on Signal Processing, 2003, 51, 2008-2013.	3.2	16
179	Parametric Modeling for Damped Sinusoids From Multiple Channels. IEEE Transactions on Signal Processing, 2013, 61, 3895-3907.	3.2	16
180	Robust Harmonic Retrieval via Block Successive Upper-Bound Minimization. IEEE Transactions on Signal Processing, 2018, 66, 6310-6324.	3.2	16

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181	Robust adaptive beamforming using a novel signal power estimation algorithm. , 2019, 95, 102574.		16
182	Robust Multi-Dimensional Harmonic Retrieval Using Iteratively Reweighted HOSVD. IEEE Signal Processing Letters, 2015, 22, 2464-2468.	2.1	15
183	Comments on "Fractional LMS algorithm" Signal Processing, 2017, 133, 219-226.	2.1	15
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