

# Geert Jt Leus

## List of Publications by Year in descending order

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416  
papers

14,591  
citations

38660

50  
h-index

26548

107  
g-index

417  
all docs

417  
docs citations

417  
times ranked

7888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Channel Estimation and Hybrid Precoding for Millimeter Wave Cellular Systems. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 831-846.	7.3	1,897
2	Limited Feedback Hybrid Precoding for Multi-User Millimeter Wave Systems. IEEE Transactions on Wireless Communications, 2015, 14, 6481-6494.	6.1	912
3	Spectrum Sensing for Cognitive Radio : State-of-the-Art and Recent Advances. IEEE Signal Processing Magazine, 2012, 29, 101-116.	4.6	906
4	Optimal training design for MIMO OFDM systems in mobile wireless channels. IEEE Transactions on Signal Processing, 2003, 51, 1615-1624.	3.2	645
5	Sparsity-Cognizant Total Least-Squares for Perturbed Compressive Sampling. IEEE Transactions on Signal Processing, 2011, 59, 2002-2016.	3.2	382
6	Pilot-Assisted Time-Varying Channel Estimation for OFDM Systems. IEEE Transactions on Signal Processing, 2007, 55, 2226-2238.	3.2	359
7	Noncoherent ultra-wideband systems. IEEE Signal Processing Magazine, 2009, 26, 48-66.	4.6	298
8	Energy-Efficient Distributed Spectrum Sensing for Cognitive Sensor Networks. IEEE Sensors Journal, 2011, 11, 565-573.	2.4	283
9	Hybrid precoding for millimeter wave cellular systems with partial channel knowledge. , 2013, , .		244
10	Sparsity-Promoting Sensor Selection for Non-Linear Measurement Models. IEEE Transactions on Signal Processing, 2015, 63, 684-698.	3.2	222
11	Sampling of Graph Signals With Successive Local Aggregations. IEEE Transactions on Signal Processing, 2016, 64, 1832-1843.	3.2	205
12	Compressive Wideband Power Spectrum Estimation. IEEE Transactions on Signal Processing, 2012, 60, 4775-4789.	3.2	187
13	Per tone equalization for DMT-based systems. IEEE Transactions on Communications, 2001, 49, 109-119.	4.9	186
14	Autoregressive Moving Average Graph Filtering. IEEE Transactions on Signal Processing, 2017, 65, 274-288.	3.2	186
15	Simple equalization of time-varying channels for OFDM. IEEE Communications Letters, 2005, 9, 619-621.	2.5	184
16	Multiband OFDM for Covert Acoustic Communications. IEEE Journal on Selected Areas in Communications, 2008, 26, 1662-1673.	9.7	173
17	Convolutional Neural Network Architectures for Signals Supported on Graphs. IEEE Transactions on Signal Processing, 2019, 67, 1034-1049.	3.2	169
18	Compressive wide-band spectrum sensing. , 2009, , .		148

#	ARTICLE	IF	CITATIONS
19	Sensor Selection for Estimation with Correlated Measurement Noise. IEEE Transactions on Signal Processing, 2016, 64, 3509-3522.	3.2	140
20	Distributed Maximum Likelihood Sensor Network Localization. IEEE Transactions on Signal Processing, 2014, 62, 1424-1437.	3.2	139
21	Low-Complexity Block Turbo Equalization for OFDM Systems in Time-Varying Channels. IEEE Transactions on Signal Processing, 2008, 56, 5555-5566.	3.2	136
22	Stationary Graph Processes and Spectral Estimation. IEEE Transactions on Signal Processing, 2017, 65, 5911-5926.	3.2	133
23	Blind and semi-blind equalization for generalized space-time block codes. IEEE Transactions on Signal Processing, 2002, 50, 2489-2498.	3.2	119
24	Optimization of hard fusion based spectrum sensing for energy-constrained cognitive radio networks. Physical Communication, 2013, 9, 193-198.	1.2	119
25	Two-stage spectrum sensing for cognitive radios. , 2010, , .		109
26	Compressive Covariance Sensing: Structure-based compressive sensing beyond sparsity. IEEE Signal Processing Magazine, 2016, 33, 78-93.	4.6	107
27	Compressive 3D ultrasound imaging using a single sensor. Science Advances, 2017, 3, e1701423.	4.7	98
28	Direction estimation using compressive sampling array processing. , 2009, , .		96
29	Low-Complexity Banded Equalizers for OFDM Systems in Doppler Spread Channels. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	94
30	Target Localization and Tracking for an Isogradient Sound Speed Profile. IEEE Transactions on Signal Processing, 2013, 61, 1434-1446.	3.2	92
31	Graphs, Convolutions, and Neural Networks: From Graph Filters to Graph Neural Networks. IEEE Signal Processing Magazine, 2020, 37, 128-138.	4.6	90
32	Robust Time-Based Localization for Asynchronous Networks. IEEE Transactions on Signal Processing, 2011, 59, 4397-4410.	3.2	89
33	Robust Differential Received Signal Strength-Based Localization. IEEE Transactions on Signal Processing, 2017, 65, 3261-3276.	3.2	88
34	Distributed Autoregressive Moving Average Graph Filters. IEEE Signal Processing Letters, 2015, 22, 1931-1935.	2.1	83
35	A Class of Prediction-Correction Methods for Time-Varying Convex Optimization. IEEE Transactions on Signal Processing, 2016, 64, 4576-4591.	3.2	83
36	Equivalent system model and equalization of differential impulse radio UWB systems. IEEE Journal on Selected Areas in Communications, 2005, 23, 1851-1862.	9.7	80

#	ARTICLE	IF	CITATIONS
37	Learning sparse graphs under smoothness prior. , 2017, , .		79
38	Time-varying FIR equalization for doubly selective channels. IEEE Transactions on Wireless Communications, 2005, 4, 202-214.	6.1	76
39	Advances in Distributed Graph Filtering. IEEE Transactions on Signal Processing, 2019, 67, 2320-2333.	3.2	75
40	Reconstruction of Graph Signals Through Percolation from Seeding Nodes. IEEE Transactions on Signal Processing, 2016, 64, 4363-4378.	3.2	69
41	Filtering Random Graph Processes Over Random Time-Varying Graphs. IEEE Transactions on Signal Processing, 2017, 65, 4406-4421.	3.2	69
42	Distributed compressive wide-band spectrum sensing. , 2009, , .		66
43	Adaptive Graph Signal Processing: Algorithms and Optimal Sampling Strategies. IEEE Transactions on Signal Processing, 2018, 66, 3584-3598.	3.2	66
44	Time-Varying Convex Optimization: Time-Structured Algorithms and Applications. Proceedings of the IEEE, 2020, 108, 2032-2048.	16.4	65
45	Aliasing-Free Wideband Beamforming Using Sparse Signal Representation. IEEE Transactions on Signal Processing, 2011, 59, 3464-3469.	3.2	63
46	Equalization for OFDM over doubly selective channels. IEEE Transactions on Signal Processing, 2006, 54, 1445-1458.	3.2	60
47	Forecasting Time Series With VARMA Recursions on Graphs. IEEE Transactions on Signal Processing, 2019, 67, 4870-4885.	3.2	60
48	Orthogonal Design of Unitary Constellations for Uncoded and Trellis-Coded Noncoherent Space-Time Systems. IEEE Transactions on Information Theory, 2004, 50, 1319-1327.	1.5	58
49	Direction of arrival estimation using sparse ruler array design. , 2012, , .		58
50	Censored Truncated Sequential Spectrum Sensing for Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 364-378.	9.7	58
51	Per-tone equalization for mimo ofdm systems. IEEE Transactions on Signal Processing, 2003, 51, 2965-2975.	3.2	57
52	Robust Underwater Telemetry With Adaptive Turbo Multiband Equalization. IEEE Journal of Oceanic Engineering, 2009, 34, 645-655.	2.1	57
53	Orthogonal multiple access over time- and frequency-selective channels. IEEE Transactions on Information Theory, 2003, 49, 1942-1950.	1.5	56
54	Distributed Space-Time Cooperative Systems with Regenerative Relays. IEEE Transactions on Wireless Communications, 2006, 5, 3130-3141.	6.1	56

#	ARTICLE	IF	CITATIONS
55	Ranging Energy Optimization for Robust Sensor Positioning Based on Semidefinite Programming. IEEE Transactions on Signal Processing, 2009, 57, 4777-4787.	3.2	56
56	Sparsity-Aware Multi-Source TDOA Localization. IEEE Transactions on Signal Processing, 2013, 61, 4874-4887.	3.2	54
57	Decentralized Prediction-Correction Methods for Networked Time-Varying Convex Optimization. IEEE Transactions on Automatic Control, 2017, 62, 5724-5738.	3.6	54
58	Energy and throughput efficient strategies for cooperative spectrum sensing in cognitive radios. , 2011, , .		53
59	Super-Resolution Channel Estimation for Arbitrary Arrays in Hybrid Millimeter-Wave Massive MIMO Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 947-960.	7.3	52
60	Space-Time Block Coding for Doubly-Selective Channels. IEEE Transactions on Signal Processing, 2010, 58, 1934-1940.	3.2	50
61	Sparse Sensing for Distributed Detection. IEEE Transactions on Signal Processing, 2016, 64, 1446-1460.	3.2	49
62	Time-domain and frequency-domain per-tone equalization for OFDM over doubly selective channels. Signal Processing, 2004, 84, 2055-2066.	2.1	47
63	Space-time block coding for single-carrier block transmission DS-SS downlink. IEEE Journal on Selected Areas in Communications, 2003, 21, 350-361.	9.7	45
64	Wideband Spectrum Sensing From Compressed Measurements Using Spectral Prior Information. IEEE Transactions on Signal Processing, 2013, 61, 6232-6246.	3.2	45
65	Sparsity-Aware Sensor Selection: Centralized and Distributed Algorithms. IEEE Signal Processing Letters, 2014, 21, 217-220.	2.1	45
66	Achievable rates of multi-user millimeter wave systems with hybrid precoding. , 2015, , .		45
67	Compression Limits for Random Vectors with Linearly Parameterized Second-Order Statistics. IEEE Transactions on Information Theory, 2015, 61, 1410-1425.	1.5	44
68	Sparsity-enforcing sensor selection for DOA estimation. , 2013, , .		43
69	Power Spectrum Blind Sampling. IEEE Signal Processing Letters, 2011, 18, 443-446.	2.1	42
70	Rigid Body Localization Using Sensor Networks. IEEE Transactions on Signal Processing, 2014, 62, 4911-4924.	3.2	41
71	To AND or To OR: On Energy-Efficient Distributed Spectrum Sensing With Combined Censoring and Sleeping. IEEE Transactions on Wireless Communications, 2015, 14, 4508-4521.	6.1	41
72	Filter Design for Autoregressive Moving Average Graph Filters. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 47-60.	1.6	41

#	ARTICLE	IF	CITATIONS
73	Compressive covariance sampling. , 2013, , .		40
74	Joint Clock Synchronization and Ranging: Asymmetrical Time-Stamping and Passive Listening. IEEE Signal Processing Letters, 2013, 20, 51-54.	2.1	39
75	Small Sample Size Performance of the Energy Detector. IEEE Communications Letters, 2013, 17, 1814-1817.	2.5	38
76	Overview of spectrum sensing for cognitive radio. , 2010, , .		37
77	Recovering second-order statistics from compressive measurements. , 2011, , .		37
78	Continuous Sensor Placement. IEEE Signal Processing Letters, 2015, 22, 544-548.	2.1	36
79	Feedback Reduction for Spatial Multiplexing with Linear Precoding. , 2007, , .		34
80	Optimal hard fusion strategies for cognitive radio networks. , 2011, , .		34
81	Emitter Localization Given Time Delay and Frequency Shift Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1826-1837.	2.6	34
82	Adaptive Channel Estimation for OFDM Systems with Doppler spread. , 2006, , .		32
83	Interpolation-Based Multi-Mode Precoding for MIMO-OFDM Systems with Limited Feedback. IEEE Transactions on Wireless Communications, 2007, 6, 1003-1013.	6.1	31
84	Single-sided adaptive estimation of multi-path millimeter wave channels. , 2014, , .		31
85	Sparse Antenna and Pulse Placement for Colocated MIMO Radar. IEEE Transactions on Signal Processing, 2019, 67, 579-593.	3.2	31
86	Estimation and equalization of doubly selective channels using known symbol padding. IEEE Transactions on Signal Processing, 2006, 54, 979-990.	3.2	30
87	Ranging in an Underwater Medium with Multiple Isogradient Sound Speed Profile Layers. Sensors, 2012, 12, 2996-3017.	2.1	30
88	Multi-Layer Precoding: A Potential Solution for Full-Dimensional Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2017, 16, 5810-5824.	6.1	30
89	Multi-coset sampling for power spectrum blind sensing. , 2011, , .		29
90	Double smoothing for time-varying distributed multiuser optimization. , 2014, , .		29

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91	Distributed Sparsity-Aware Sensor Selection. IEEE Transactions on Signal Processing, 2015, 63, 5951-5964.	3.2	29
92	Online Graph-Adaptive Learning With Scalability and Privacy. IEEE Transactions on Signal Processing, 2019, 67, 2471-2483.	3.2	29
93	Iterative Per-Vector Equalization for Orthogonal Signal-Division Multiplexing Over Time-Varying Underwater Acoustic Channels. IEEE Journal of Oceanic Engineering, 2019, 44, 240-255.	2.1	29
94	MUI-free receiver for a synchronous DS-CDMA system based on block spreading in the presence of frequency-selective fading. IEEE Transactions on Signal Processing, 2000, 48, 3175-3188.	3.2	28
95	Spatio-temporal sensor management for environmental field estimation. Signal Processing, 2016, 128, 369-381.	2.1	28
96	Extending the Classical Multidimensional Scaling Algorithm Given Partial Pairwise Distance Measurements. IEEE Signal Processing Letters, 2010, 17, 473-476.	2.1	27
97	Joint Dynamic Resource Allocation and Waveform Adaptation for Cognitive Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 443-454.	9.7	27
98	Self-Estimation of Path-Loss Exponent in Wireless Networks and Applications. IEEE Transactions on Vehicular Technology, 2015, 64, 5091-5102.	3.9	27
99	Graph Sampling for Covariance Estimation. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 451-466.	1.6	27
100	DOA Estimation in heteroscedastic noise. Signal Processing, 2019, 161, 63-73.	2.1	27
101	Signal model and receiver algorithms for a transmit-reference ultra-wideband communication system. IEEE Journal on Selected Areas in Communications, 2006, 24, 773-779.	9.7	26
102	Time-Multiplexed Training for Time-Selective Channels. IEEE Signal Processing Letters, 2007, 14, 585-588.	2.1	26
103	Distributed asynchronous time-varying constrained optimization. , 2014, , .		25
104	Collision Tolerant and Collision Free Packet Scheduling for Underwater Acoustic Localization. IEEE Transactions on Wireless Communications, 2015, 14, 2584-2595.	6.1	25
105	Sparse Sampling for Inverse Problems With Tensors. IEEE Transactions on Signal Processing, 2019, 67, 3272-3286.	3.2	24
106	State-Space Network Topology Identification From Partial Observations. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 211-225.	1.6	24
107	Estimation and Direct Equalization of Doubly Selective Channels. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	23
108	Direction of arrival estimation for more correlated sources than active sensors. Signal Processing, 2013, 93, 3435-3448.	2.1	23

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109	Multi-Rate Block Transmission Over Wideband Multi-Scale Multi-Lag Channels. IEEE Transactions on Signal Processing, 2013, 61, 964-979.	3.2	23
110	Finite Impulse Response Filters for Simplicial Complexes. , 2021, , .		23
111	Covert underwater communications with multiband OFDM. , 2008, , .		22
112	Multicarrier spread spectrum for Covert Acoustic Communications. , 2008, , .		22
113	Sparsity-promoting adaptive sensor selection for non-linear filtering. , 2014, , .		22
114	Interpolation of graph signals using shift-invariant graph filters. , 2015, , .		22
115	Direction of Arrival Estimation of Wideband Sources Using Sparse Linear Arrays. IEEE Transactions on Signal Processing, 2021, 69, 4444-4457.	3.2	22
116	Separable autoregressive moving average graph-temporal filters. , 2016, , .		21
117	Low-Complexity Equalization of Orthogonal Signal-Division Multiplexing in Doubly-Selective Channels. IEEE Transactions on Signal Processing, 2019, 67, 915-929.	3.2	21
118	Submodularity in Action: From Machine Learning to Signal Processing Applications. IEEE Signal Processing Magazine, 2020, 37, 120-133.	4.6	21
119	Wideband power spectrum sensing using sub-Nyquist sampling. , 2011, , .		20
120	Reference-free time-based localization for an asynchronous target. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	20
121	Subsampling for graph power spectrum estimation. , 2016, , .		20
122	2-Dimensional finite impulse response graph-temporal filters. , 2016, , .		20
123	Space-Time and Space-Frequency Block Coded Vector OFDM Modulation. IEEE Communications Letters, 2017, 21, 204-207.	2.5	20
124	Combination of per tone equalization and windowing in DMT-receivers. Signal Processing, 2001, 81, 1571-1579.	2.1	19
125	Compressive Sampling-Based Multiple Symbol Differential Detection for UWB Communications. IEEE Transactions on Wireless Communications, 2014, 13, 3778-3790.	6.1	19
126	Partial FFT Demodulation for MIMO-OFDM Over Time-Varying Underwater Acoustic Channels. IEEE Signal Processing Letters, 2015, , 1-1.	2.1	19



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127	Sparse Sensing for Statistical Inference. Foundations and Trends in Signal Processing, 2016, 9, 233-368.	12.0	19
128	Controllability of Bandlimited Graph Processes Over Random Time Varying Graphs. IEEE Transactions on Signal Processing, 2019, 67, 6440-6454.	3.2	19
129	Energy-efficient distributed spectrum sensing with convex optimization. , 2009, , .		18
130	Pilot-Assisted Time-Varying OFDM Channel Estimation Based on Multiple OFDM Symbols. , 2006, , .		17
131	Near-field source localization: Sparse recovery techniques and grid matching. , 2014, , .		17
132	Greedy sensor selection for non-linear models. , 2015, , .		17
133	Structured ultrasound microscopy. Applied Physics Letters, 2018, 112, .	1.5	17
134	Joint localization and clock synchronization for wireless sensor networks. , 2012, , .		16
135	Compressive Sampling Based Energy Detection of Ultra-Wideband Pulse Position Modulation. IEEE Transactions on Signal Processing, 2013, 61, 3866-3879.	3.2	16
136	A censoring strategy for decentralized estimation in energy-constrained adaptive diffusion networks. , 2013, , .		16
137	RSS-based sensor localization in underwater acoustic sensor networks. , 2016, , .		16
138	Eigendecomposition-Based Partial FFT Demodulation for Differential OFDM in Underwater Acoustic Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 6706-6710.	3.9	16
139	Underwater Acoustic Communication Using Multiple-Inputâ€“Multiple-Output Doppler-Resilient Orthogonal Signal Division Multiplexing. IEEE Journal of Oceanic Engineering, 2020, 45, 1594-1610.	2.1	16
140	Spaceâ€“Time Frequency-Shift Keying. IEEE Transactions on Communications, 2004, 52, 346-349.	4.9	15
141	Feedback Quantization for Linear Precoded Spatial Multiplexing. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	15
142	Sparse regularized total least squares for sensing applications. , 2010, , .		15
143	Sparsity-aware multi-source RSS localization. Signal Processing, 2014, 101, 174-191.	2.1	15
144	Advanced flooding-based routing protocols for underwater sensor networks. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.0	15

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145	SAMPLING AND RECONSTRUCTION OF SIGNALS ON PRODUCT GRAPHS. , 2018, , .		15
146	CONVOLUTIONAL NEURAL NETWORKS VIA NODE-VARYING GRAPH FILTERS. , 2018, , .		15
147	Blind Calibration of Sparse Arrays for DOA Estimation with Analog and One-bit Measurements. , 2019, , .		15
148	Relative kinematics of an anchorless network. Signal Processing, 2019, 157, 266-279.	2.1	15
149	Antenna Placement in a Compressive Sensing-Based Colocated MIMO Radar. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4606-4614.	2.6	15
150	A reference-free time difference of arrival source localization using a passive sensor array. , 2010, , .		14
151	Dynamic Multidimensional Scaling for Low-Complexity Mobile Network Tracking. IEEE Transactions on Signal Processing, 2012, 60, 4485-4491.	3.2	14
152	Cooperative compressive wideband power spectrum sensing. , 2012, , .		14
153	Dynamic rainfall monitoring using microwave links. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.0	14
154	Radar network topology optimization for joint target position and velocity estimation. Signal Processing, 2017, 130, 279-288.	2.1	14
155	Single-Pixel Thermopile Infrared Sensing for People Counting. IEEE Sensors Journal, 2021, 21, 4866-4873.	2.4	14
156	A novel receiver architecture for single-carrier transmission over time-varying channels. IEEE Journal on Selected Areas in Communications, 2008, 26, 366-377.	9.7	13
157	Compressive sampling based MVDR spectrum sensing. , 2010, , .		13
158	Multi-layer precoding for full-dimensional massive MIMO systems. , 2014, , .		13
159	Graph Sampling with and Without Input Priors. , 2018, , .		13
160	Submodular Sparse Sensing for Gaussian Detection With Correlated Observations. IEEE Transactions on Signal Processing, 2018, 66, 4025-4039.	3.2	13
161	Computational Array Signal Processing via Modulo Non-Linearities. IEEE Transactions on Signal Processing, 2022, 70, 2168-2179.	3.2	13
162	Simplicial Convolutional Neural Networks. , 2022, , .		13

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163	Detection of sparse signals under finite-alphabet constraints. , 2009, , .		12
164	Block Transmissions over Doubly Selective Channels: Iterative Channel Estimation and Turbo Equalization. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	12
165	Identifying time-varying channels with aid of pilots for MIMO-OFDM. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	12
166	Distributed estimation of static fields in wireless sensor networks using the finite element method. , 2012, , .		12
167	Prediction-correction methods for time-varying convex optimization. , 2015, , .		12
168	Sparse sensing for distributed gaussian detection. , 2015, , .		12
169	Distributed edge-variant graph filters. , 2017, , .		12
170	Observing and tracking bandlimited graph processes from sampled measurements. Signal Processing, 2020, 177, 107749.	2.1	12
171	Learning Time-Varying Graphs From Online Data. IEEE Open Journal of Signal Processing, 2022, 3, 212-228.	2.3	12
172	Enhanced turbo MMSE equalization for MIMO-OFDM over rapidly time-varying frequency-selective channels. , 2009, , .		11
173	Static field estimation using a wireless sensor network based on the finite element method. , 2011, , .		11
174	Position and orientation estimation of a rigid body: Rigid body localization. , 2013, , .		11
175	Stochastic graph filtering on time-varying graphs. , 2015, , .		11
176	DOA estimation using sparse vector sensor arrays. , 2015, , .		11
177	Joint relative position and velocity estimation for an anchorless network of mobile nodes. Signal Processing, 2015, 115, 66-78.	2.1	11
178	Distributed Wiener-Based Reconstruction of Graph Signals. , 2018, , .		11
179	Uniaxial Acoustic Vector Sensors for direction-of-arrival estimation. Journal of Sound and Vibration, 2018, 437, 276-291.	2.1	11
180	Multicarrier Block-Spread CDMA for Broadband Cellular Downlink. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	10

#	ARTICLE	IF	CITATIONS
181	TOA estimation using UWB with low sampling rate and clock drift calibration. , 2009, , .		10
182	Round-Robin Scheduling for Orthogonal Beamforming with Limited Feedback. IEEE Transactions on Wireless Communications, 2011, 10, 2486-2496.	6.1	10
183	L-MAC: Localization packet scheduling for an underwater acoustic sensor network. , 2013, , .		10
184	Sensor selection for estimation, filtering, and detection. , 2014, , .		10
185	On non-differentiable time-varying optimization. , 2015, , .		10
186	Direction of arrival estimation based on information geometry. , 2016, , .		10
187	Signal processing on kernel-based random graphs. , 2017, , .		10
188	Underwater acoustic communication using Doppler-resilient orthogonal signal division multiplexing in a harbor environment. Physical Communication, 2018, 27, 24-35.	1.2	10
189	Joint Detection and Localization of an Unknown Number of Sources Using the Algebraic Structure of the Noise Subspace. IEEE Transactions on Signal Processing, 2018, 66, 4685-4700.	3.2	10
190	Graphon Filters: Graph Signal Processing in the Limit. IEEE Transactions on Signal Processing, 2021, 69, 1740-1754.	3.2	10
191	Energy Detection of Wideband and Ultra-Wideband PPM. , 2010, , .		9
192	An UWB ranging-based localization strategy with internal attack immunity. , 2010, , .		9
193	Estimation of Time-Varying Channels â€“ A Block Approach. , 2011, , 155-197.		9
194	OFDM Communications over Time-Varying Channels. , 2011, , 285-336.		9
195	Time-based localization for asynchronous wireless sensor networks. , 2011, , .		9
196	Sparse multi-target localization using cooperative access points. , 2012, , .		9
197	Direction of arrival estimation of correlated signals using a dynamic linear array. , 2012, , .		9
198	Compressive sampling based differential detection for UWB impulse radio signals. Physical Communication, 2012, 5, 185-195.	1.2	9

#	ARTICLE	IF	CITATIONS
199	Tracking position and orientation of a mobile rigid body. , 2013, , .		9
200	To AND or To OR: How shall the fusion center rule in energy-constrained cognitive radio networks?. , 2014, , .		9
201	Space-frequency coded orthogonal signal-division multiplexing over underwater acoustic channels. Journal of the Acoustical Society of America, 2017, 141, EL513-EL518.	0.5	9
202	Spatio-Temporal Field Estimation Using Krigeed Kalman Filter (KKF) with Sparsity-Enforcing Sensor Placement. Sensors, 2018, 18, 1778.	2.1	9
203	Aggregation Graph Neural Networks. , 2019, , .		9
204	Compressed-Domain Detection and Estimation for Colocated MIMO Radar. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4504-4518.	2.6	9
205	A Momentum-Guided Frank-Wolfe Algorithm. IEEE Transactions on Signal Processing, 2021, 69, 3597-3611.	3.2	9
206	Online Time-Varying Topology Identification Via Prediction-Correction Algorithms. , 2021, , .		9
207	A suboptimal Iterative Method for Maximum-Likelihood Sequence Estimation in a Multipath Context. Eurasip Journal on Advances in Signal Processing, 2003, 2002, 1.	1.0	8
208	Iterative channel estimation and turbo equalization for time-varying OFDM systems. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	8
209	Robust sparse embedding and reconstruction via dictionary learning. , 2013, , .		8
210	Sparsity-aware TDOA localization of multiple sources. , 2013, , .		8
211	Tracking target signal strengths on a grid using sparsity. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.0	8
212	Non-uniform sampling for compressive cyclic spectrum reconstruction. , 2014, , .		8
213	Target tracking with dynamic convex optimization. , 2015, , .		8
214	Subgraph detection using graph signals. , 2016, , .		8
215	Convolutional Graph Neural Networks. , 2019, , .		8
216	Coding Mask Design for Single Sensor Ultrasound Imaging. IEEE Transactions on Computational Imaging, 2020, 6, 358-373.	2.6	8

#	ARTICLE	IF	CITATIONS
217	Sensor placement and resource allocation for energy harvesting IoT networks. , 2020, 105, 102659.		8
218	On the Impact of Multi-antenna RF Transceivers' Amplitude and Phase Mismatches on Transmit MRC. , 0, , ,		7
219	A Flexible Low Power Subsampling UWB Receiver Based on Line Spectrum Estimation Methods. , 2006, , .		7
220	Feedback Compression for Correlated Broadcast Channels. , 2007, , .		7
221	Energy-efficient spectrum sensing for cognitive sensor networks. , 2009, , .		7
222	Performance analysis of a flexible subsampling receiver for pulsed UWB signals. IEEE Transactions on Wireless Communications, 2009, 8, 4134-4142.	6.1	7
223	Compressed sensing for block-sparse smooth signals. , 2014, , .		7
224	Cooperative compressive power spectrum estimation. , 2014, , .		7
225	Distributed sensor selection for field estimation. , 2017, , .		7
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