

# Gonzalo Seco-Granados

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8375504/publications.pdf>

Version: 2024-02-01

219  
papers

4,825  
citations

218677

26  
h-index

128289

60  
g-index

222  
all docs

222  
docs citations

222  
times ranked

3166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey of Cellular Mobile Radio Localization Methods: From 1G to 5G. IEEE Communications Surveys and Tutorials, 2018, 20, 1124-1148.	39.4	383
2	Channel Estimation and Performance Analysis of One-Bit Massive MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 4075-4089.	5.3	367
3	Position and Orientation Estimation Through Millimeter-Wave MIMO in 5G Systems. IEEE Transactions on Wireless Communications, 2018, 17, 1822-1835.	9.2	349
4	5G mmWave Positioning for Vehicular Networks. IEEE Wireless Communications, 2017, 24, 80-86.	9.0	312
5	Opportunistic relay selection with outdated CSI: outage probability and diversity analysis. IEEE Transactions on Wireless Communications, 2009, 8, 2872-2876.	9.2	226
6	Convergent Communication, Sensing and Localization in 6G Systems: An Overview of Technologies, Opportunities and Challenges. IEEE Access, 2021, 9, 26902-26925.	4.2	224
7	Challenges in Indoor Global Navigation Satellite Systems: Unveiling its core features in signal processing. IEEE Signal Processing Magazine, 2012, 29, 108-131.	5.6	149
8	Error Bounds for Uplink and Downlink 3D Localization in 5G Millimeter Wave Systems. IEEE Transactions on Wireless Communications, 2018, 17, 4939-4954.	9.2	142
9	Fair Design of Plug-in Electric Vehicles Aggregator for V2G Regulation. IEEE Transactions on Vehicular Technology, 2012, 61, 3406-3419.	6.3	130
10	ML estimator and hybrid beamformer for multipath and interference mitigation in GNSS receivers. IEEE Transactions on Signal Processing, 2005, 53, 1194-1208.	5.3	91
11	5G Position and Orientation Estimation through Millimeter Wave MIMO. , 2015, , .		86
12	A Navigation Message Authentication Proposal for the Galileo Open Service. Navigation, Journal of the Institute of Navigation, 2016, 63, 85-102.	2.8	83
13	Achievable localization accuracy of the positioning reference signal of 3GPP LTE. , 2012, , .		67
14	Survey on Robust Carrier Tracking Techniques. IEEE Communications Surveys and Tutorials, 2014, 16, 670-688.	39.4	65
15	Near-field Localization with a Reconfigurable Intelligent Surface Acting as Lens. , 2021, , .		61
16	Cross-layer packet scheduler design of a multibeam broadband satellite system with adaptive coding and modulation. IEEE Transactions on Wireless Communications, 2007, 6, 248-258.	9.2	60
17	Millimeter-Wave Downlink Positioning With a Single-Antenna Receiver. IEEE Transactions on Wireless Communications, 2019, 18, 4479-4490.	9.2	55
18	Feasibility study of 5G-based localization for assisted driving. , 2016, , .		47

#	ARTICLE	IF	CITATIONS
19	Software-Defined Radio LTE Positioning Receiver Towards Future Hybrid Localization Systems. , 2013, , .		39
20	Network Design for Accurate Vehicle Localization. IEEE Transactions on Vehicular Technology, 2019, 68, 4316-4327.	6.3	39
21	SISO RIS-Enabled Joint 3D Downlink Localization and Synchronization. , 2021, , .		39
22	Single-Anchor Two-Way Localization Bounds for 5G mmWave Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 6388-6400.	6.3	37
23	Position Accuracy of Joint Time-Delay and Channel Estimators in LTE Networks. IEEE Access, 2018, 6, 25185-25199.	4.2	36
24	5G mm Wave Downlink Vehicular Positioning. , 2018, , .		34
25	Joint maximum likelihood time-delay estimation for LTE positioning in multipath channels. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	31
26	Analysis on the TOA Tracking With DVB-T Signals for Positioning. IEEE Transactions on Broadcasting, 2016, 62, 957-961.	3.2	31
27	Methodology for Simulating 5G and GNSS High-Accuracy Positioning. Sensors, 2018, 18, 3220.	3.8	31
28	Positioning and navigation with applications to communications [from the Guest Editors. IEEE Signal Processing Magazine, 2005, 22, 10-11.	5.6	30
29	RIS-Aided Joint Localization and Synchronization With a Single-Antenna Receiver: Beamforming Design and Low-Complexity Estimation. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 1141-1156.	10.8	30
30	The Extended Invariance Principle for Signal Parameter Estimation in an Unknown Spatial Field. IEEE Transactions on Signal Processing, 2011, 59, 3213-3225.	5.3	29
31	Channel estimation and uplink achievable rates in one-bit massive MIMO systems. , 2016, , .		28
32	Downlink Single-Snapshot Localization and Mapping With a Single-Antenna Receiver. IEEE Transactions on Wireless Communications, 2021, 20, 4672-4684.	9.2	28
33	Comparative results analysis on positioning with real LTE signals and low-cost hardware platforms. , 2014, , .		27
34	Amplify-and-Forward Compressed Sensing as an Energy-Efficient Solution in Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 1710-1719.	4.7	27
35	Decentralized Scheduling for Cooperative Localization With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2019, 68, 4295-4305.	6.3	27
36	RIS-Aided Joint Localization and Synchronization with a Single-Antenna Mmwave Receiver. , 2021, , .		27

#	ARTICLE	IF	CITATIONS
37	Localization Algorithm with On-line Path Loss Estimation and Node Selection. Sensors, 2011, 11, 6905-6925.	3.8	26
38	Semi-Passive 3D Positioning of Multiple RIS-Enabled Users. IEEE Transactions on Vehicular Technology, 2021, 70, 11073-11077.	6.3	26
39	Amplify-and-Forward Compressed Sensing as a Physical-Layer Secrecy Solution in Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2014, 9, 839-850.	6.9	24
40	Impact of frequency-hopping NB-IoT positioning in 4G and future 5G networks. , 2017, , .		24
41	Performance Bounds for Finite Moving Average Tests in Transient Change Detection. IEEE Transactions on Signal Processing, 2018, 66, 1594-1606.	5.3	24
42	Pilot optimization for time-delay and channel estimation in OFDM systems. , 2011, , .		23
43	Evaluation of the LTE positioning capabilities under typical multipath channels. , 2012, , .		23
44	Enhanced Correlation Estimators for Distributed Source Coding in Large Wireless Sensor Networks. IEEE Sensors Journal, 2012, 12, 2799-2806.	4.7	22
45	Physical-Layer Abstraction for Hybrid GNSS and 5G Positioning Evaluations. , 2019, , .		22
46	Charging station selection optimization for plug-in electric vehicles: An oligopolistic game-theoretic framework. , 2012, , .		21
47	Unified Framework for the Synchronization of Flexible Multicarrier Communication Signals. IEEE Transactions on Signal Processing, 2013, 61, 828-842.	5.3	20
48	Tracking Position and Orientation Through Millimeter Wave Lens MIMO in 5G Systems. IEEE Signal Processing Letters, 2019, 26, 1222-1226.	3.6	20
49	Location-Based Timing Advance Estimation for 5G Integrated LEO Satellite Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 6002-6017.	6.3	20
50	Cloud GNSS receivers: New advanced applications made possible. , 2016, , .		19
51	Unambiguous Techniques Modernized GNSS Signals: Surveying the solutions. IEEE Signal Processing Magazine, 2017, 34, 38-52.	5.6	19
52	Performance analysis of quantum cryptography protocols in optical earth-satellite and intersatellite links. IEEE Journal on Selected Areas in Communications, 2009, 27, 1582-1590.	14.0	18
53	Use of weak GNSS signals in a mission to the moon. , 2014, , .		18
54	Adaptive GNSS Carrier Tracking Under Ionospheric Scintillation: Estimation vs. Mitigation. IEEE Communications Letters, 2015, 19, 961-964.	4.1	18

#	ARTICLE	IF	CITATIONS
55	5G mmWave Vehicular Tracking. , 2018, , .		18
56	Outage Probability versus Fairness Trade-off in Opportunistic Relay Selection with Outdated CSI. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	17
57	Performance analysis of hybrid GNSS and LTE Localization in urban scenarios. , 2016, , .		17
58	Statistical Trilateration With Skew-t Distributed Errors in LTE Networks. IEEE Transactions on Wireless Communications, 2016, 15, 7114-7127.	9.2	17
59	Exploitation of 3D City Maps for Hybrid 5G RTT and GNSS Positioning Simulations. , 2020, , .		17
60	A tunable-fairness cross-layer scheduler for DVB-S2. International Journal of Satellite Communications and Networking, 2006, 24, 437-450.	1.8	16
61	Advanced Fade Countermeasures for DVB-S2 Systems in Railway Scenarios. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, .	2.4	16
62	On the relation between GDOP and the volume described by the user-to-satellite unit vectors for GNSS positioning. GPS Solutions, 2017, 21, 1139-1147.	4.3	16
63	Low-Complexity Accurate Mmwave Positioning for Single-Antenna Users Based on Angle-of-Departure and Adaptive Beamforming. , 2020, , .		16
64	GNSS User Technology: State-of-the-Art and Future Trends. IEEE Access, 2022, 10, 39939-39968.	4.2	16
65	Evaluation of 5G Positioning Performance Based on UTD <sub>o</sub> A, AoA and Base-Station Selective Exclusion. Sensors, 2022, 22, 101.	3.8	16
66	Cross-Layer Design of Dynamic Bandwidth Allocation in DVB-RCS. IEEE Systems Journal, 2008, 2, 62-73.	4.6	15
67	Relation between GDOP and the geometry of the satellite constellation. , 2011, , .		15
68	A Reduced Complexity Approach to IAA Beamforming for Efficient DOA Estimation of Coherent Sources. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	15
69	Floor Detection with Indoor Vertical Positioning in LTE Femtocell Networks. , 2015, , .		15
70	Performance of location and orientation estimation in 5G mmWave systems: Uplink vs downlink. , 2018, , .		15
71	Spectral Efficiency of One-Bit Sigma-Delta Massive MIMO. IEEE Journal on Selected Areas in Communications, 2020, 38, 2215-2226.	14.0	15
72	A Testbed for GNSS-Based Positioning and Navigation Technologies in Smart Cities: The HANSEL Project. Smart Cities, 2020, 3, 1219-1241.	9.4	15

#	ARTICLE	IF	CITATIONS
73	Power Allocation and Parameter Estimation for Multipath-Based 5G Positioning. IEEE Transactions on Wireless Communications, 2021, 20, 7302-7316.	9.2	15
74	Kalman filter-based architecture for robust and high-sensitivity tracking in GNSS receivers. , 2010, , .		14
75	Performance Analysis of Hybrid 5G-GNSS Localization. , 2018, , .		14
76	Optimal Spatial Signal Design for mmWave Positioning Under Imperfect Synchronization. IEEE Transactions on Vehicular Technology, 2022, 71, 5558-5563.	6.3	14
77	An interactive multiple model approach for robust GNSS carrier phase tracking under scintillation conditions. , 2013, , .		13
78	Applications of Array Signal Processing. Academic Press Library in Signal Processing, 2014, 3, 859-953.	0.8	13
79	Downlink synchronization of LTE base stations for opportunistic ToA positioning. , 2015, , .		13
80	Comprehensive overview of quickest detection theory and its application to GNSS threat detection. Gyroscopy and Navigation, 2017, 8, 1-14.	1.3	13
81	Detection of replay attacks to GNSS based on partial correlations and authentication data unpredictability. GPS Solutions, 2021, 25, 1.	4.3	12
82	Implementation and Testing of OSNMA for Galileo. , 0, , .		12
83	A Robust Relay Selection Strategy for Cooperative Systems with Outdated CSI. , 2009, , .		11
84	Power allocation method based on the channel statistics for combined positioning and communications OFDM systems. , 2013, , .		11
85	5G Downlink Multi-Beam Signal Design for LOS Positioning. , 2019, , .		11
86	Performance Analysis for Autonomous Vehicle 5g-Assisted Positioning in GNSS-Challenged Environments. , 2020, , .		11
87	Massive MIMO Channel Estimation With Low-Resolution Spatial Sigma-Delta ADCs. IEEE Access, 2021, 9, 109320-109334.	4.2	11
88	SAT03-3: Joint Time Slot Optimization and Fair Bandwidth Allocation for DVB-RCS Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	10
89	Joint channel and time delay estimation for LTE positioning reference signals. , 2012, , .		10
90	Galileo NMA signal unpredictability and anti-replay protection. , 2016, , .		10

#	ARTICLE	IF	CITATIONS
91	Generalized integration techniques for high-sensitivity GNSS receivers affected by oscillator phase noise. , 2016, , .		10
92	Power Allocation for OFDM Wireless Network Localization Under Expectation and Robustness Constraints. IEEE Transactions on Wireless Communications, 2017, 16, 2027-2038.	9.2	10
93	GNSS Measurement Exclusion and Weighting with a Dual Polarized Antenna: The FANTASTIC project. , 2018, , .		10
94	Transmitter Beam Selection in Millimeter-Wave MIMO With In-Band Position-Aiding. IEEE Transactions on Wireless Communications, 2018, 17, 6082-6092.	9.2	10
95	Location-Privacy Leakage and Integrated Solutions for 5G Cellular Networks and Beyond. Sensors, 2021, 21, 5176.	3.8	10
96	Joint Delay and Phase Discriminator Based on ESPRIT for 5G NR Positioning. IEEE Access, 2021, 9, 126550-126563.	4.2	10
97	Overview of Galileo System. Signals and Communication Technology, 2015, , 9-33.	0.5	10
98	Low-Complexity Downlink Channel Estimation in mmWave Multiple-Input Single-Output Systems. IEEE Wireless Communications Letters, 2022, 11, 518-522.	5.0	10
99	Real-time path loss and node selection for cooperative localization in wireless sensor networks. , 2010, , .		9
100	Fast in-Band Position-Aided Beam Selection in Millimeter-Wave MIMO. IEEE Access, 2019, 7, 142325-142338.	4.2	9
101	Optimal Post-Detection Integration Techniques for the Reacquisition of Weak GNSS Signals. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2302-2311.	4.7	9
102	Node selection for cooperative localization: Efficient energy vs. accuracy trade-off. , 2010, , .		8
103	Spectrum sensing with spatial signatures in the presence of noise uncertainty and shadowing. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	8
104	Code smoothing for BOC ambiguity mitigation. , 2013, , .		8
105	Indoor localization via WLAN path-loss models and Dempster-Shafer combining. , 2014, , .		8
106	Distributed Two-Way Localization Bounds for 5G mmWave Systems. , 2018, , .		8
107	Analysis of Side Lobes Cancellation Methods for BOCcos(n, m) signals. , 2012, , .		7
108	Robust beamforming via FIR filtering for GNSS multipath mitigation. , 2013, , .		7

#	ARTICLE	IF	CITATIONS
109	Cyclic Frequencies of BOC-Modulated GNSS Signals and Their Potential Within a Cognitive Positioning Framework. <i>Navigation, Journal of the Institute of Navigation</i> , 2014, 61, 95-114.	2.8	7
110	Single- and multi-correlator sequential tests for signal integrity in multi-antenna GNSS receivers. , 2014, , .		7
111	Interference and multipath sequential tests for signal integrity in multi-antenna GNSS receivers. , 2014, , .		7
112	Doubly-adaptive autoregressive Kalman filter for GNSS carrier tracking under scintillation conditions. , 2016, , .		7
113	Performance limits of V2I ranging localization with LTE networks. , 2017, , .		7
114	Cooperative Localization with Angular Measurements and Posterior Linearization. , 2020, , .		7
115	Adaptive Detection Probability for mmWave 5G SLAM. , 2020, , .		7
116	Power-based Capon beamforming: Avoiding the cancellation effects of GNSS multipath. <i>Signal Processing</i> , 2021, 180, 107891.	3.7	7
117	Evaluation of Hybrid Positioning Scenarios for Autonomous Vehicle Applications. , 0, , .		7
118	SAT03-6: Algorithm for Fair Bandwidth Allocation with QoS Constraints in DVB-S2/RCS. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006, , .	0.0	6
119	Computationally Efficient Cross-Layer Algorithm for Fair Dynamic Bandwidth Allocation. , 2007, , .		6
120	The extended invariance principle applied to joint time-delay, frequency, and DOA estimation. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008, , .	1.8	6
121	Suboptimal method for pilot and data power allocation in combined positioning and communications OFDM systems. , 2012, , .		6
122	Power allocation approaches for combined positioning and communications OFDM systems. , 2013, , .		6
123	Multi-antenna spectrum sensing by exploiting spatio-temporal correlation. <i>Eurasip Journal on Advances in Signal Processing</i> , 2014, 2014, .	1.7	6
124	Robust power allocation for OFDM wireless network localization. , 2015, , .		6
125	On the use of quickest detection theory for signal integrity monitoring in single-antenna GNSS receivers. , 2015, , .		6
126	Random-Phase Beamforming for Initial Access in Millimeter-Wave Cellular Networks. , 2016, , .		6

#	ARTICLE	IF	CITATIONS
127	GNSS applications: Personal safety concerns. , 2016, , .		6
128	Closed-Form Approximation for the Steady-State Performance of Second-Order Kalman Filters. IEEE Signal Processing Letters, 2018, 25, 268-272.	3.6	6
129	Analysis of High-Accuracy Satellite Messages for Road Applications. IEEE Intelligent Transportation Systems Magazine, 2020, 12, 92-108.	3.8	6
130	Joint angle and delay estimation for GNSS multipath signals based on multiple sparse Bayesian Learning. GPS Solutions, 2021, 25, 1.	4.3	6
131	A novel look into digital beamforming techniques for multipath and interference mitigation in Galileo Ground Stations. , 2010, , .		5
132	Code Smoothing for BOC Ambiguity Mitigation. , 2013, , .		5
133	A finite moving average test for transient change detection in GNSS signal strength monitoring. , 2016, , .		5
134	Cram�r-Rao Bound Analysis of Radars for Extended Vehicular Targets With Known and Unknown Shape. IEEE Transactions on Signal Processing, 2022, 70, 3280-3295.	5.3	5
135	Guidelines for Galileo Assisted Commercial Authentication Service Implementation. , 2022, , .		5
136	Maximum likelihood propagation-delay estimation in unknown correlated noise using antenna arrays: application to Global Navigation Satellite Systems. , 0, , .		4
137	Detection and Mitigation of Cross-Correlation Interference in High-Sensitivity GNSS Receivers. , 2007, , .		4
138	Tailoring Project-Based Learning for a communications engineering course. , 2009, , .		4
139	DINGPOS, a GNSS-based multi-sensor demonstrator for indoor navigation: Preliminary results. , 2010, , .		4
140	Spreading code design for a MC-CDMA based GNSS pilot signal. , 2010, , .		4
141	Multi-channel routing algorithm for cluster-tree wireless sensor networks in aerospace applications. , 2011, , .		4
142	Unified framework for flexible multi-carrier communication systems. , 2011, , .		4
143	Amplify-and-forward compressed sensing as a PHY-layer secrecy solution in wireless sensor networks. , 2012, , .		4
144	Signal quality checks for multipath detection in GNSS. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
145	Optimal fractional non-coherent detector for high-sensitivity GNSS receivers robust against residual frequency offset and unknown bits. , 2017, , .		4
146	C/N0 estimators for high-sensitivity snapshot GNSS receivers. GPS Solutions, 2018, 22, 1.	4.3	4
147	Mobile Geospatial Computing Systems for Ubiquitous Positioning. Mobile Information Systems, 2018, 2018, 1-2.	0.6	4
148	3D Orientation Estimation with Multiple 5G mmWave Base Stations. , 2021, , .		4
149	Two Strategies in Transient Change Detection. IEEE Transactions on Signal Processing, 2022, 70, 1418-1433.	5.3	4
150	Design of OFDM sequences for joint communications and positioning based on the asymptotic expected CRB. , 2014, , .		3
151	Systematic design of transmitter and receiver architectures for flexible filter bank multi-carrier signals. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	3
152	Statistical near-far detection techniques for GNSS snapshot receivers. , 2016, , .		3
153	Sensitivity of projection-based near-far mitigation techniques in high-sensitivity GNSS software receivers. , 2016, , .		3
154	Data fusion approaches for WiFi fingerprinting. , 2016, , .		3
155	Pilot placement for power-efficient uplink positioning in 5G vehicular networks. , 2017, , .		3
156	Closed-Form Approximation for the Convergence Time of $p$ -th-Order Kalman Filters. IEEE Signal Processing Letters, 2018, 25, 1505-1509.	3.6	3
157	5G multi-BS Positioning with a Single-Antenna Receiver. , 2020, , .		3
158	Performance of NLOS Base Station Exclusion in cmWave 5G Positioning. , 2021, , .		3
159	Communication Scheduling by Deep Reinforcement Learning for Remote Traffic State Estimation With Bayesian Inference. IEEE Transactions on Vehicular Technology, 2022, 71, 4287-4300.	6.3	3
160	Joint maximum likelihood estimation of time delays and Doppler shifts. , 2003, , .		2
161	Optimal noncoherent detector for HS-GNSS receivers. , 2008, , .		2
162	Quantum Key Distribution (QKD) using LEO and MEO satellites and decoy states. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
163	Efficiency comparison of LDPC-LDGM and Raptor codes for PL-FEC with very large block sizes. , 2009, , .		2
164	Fair Adaptive Bandwidth and Subchannel Allocation in the WiMAX Uplink. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	2
165	ADIBEAM: Design and experimental validation of a robust beamforming platform for Galileo reference ground stations. , 2010, , .		2
166	C/N <sub>0</sub> -Based Criterion for Selecting BOC-Modulated GNSS Signals in Cognitive Positioning. IEEE Communications Letters, 2013, 17, 537-540.	4.1	2
167	On the performance of deterministic beamformers: A trade-off between array gain and attenuation. Signal Processing, 2014, 94, 158-162.	3.7	2
168	Quickest Detection Framework for Signal Integrity Monitoring in Low-Cost GNSS Receivers. , 2015, , .		2
169	Design, Implementation and Validation of a GNSS Measurement Exclusion and Weighting Function with a Dual Polarized Antenna. Sensors, 2018, 18, 4483.	3.8	2
170	Mitigation of Jamming Attack in Massive MIMO With One-Bit FBB Sigma-Delta ADCs. , 2019, , .		2
171	Position Information From Reflecting Surfaces. IEEE Wireless Communications Letters, 2021, 10, 1300-1304.	5.0	2
172	Sequential Change Detection for Next-Generation RAIM Algorithms. , 0, , .		2
173	Robust Beamforming for Localization-Aided Millimeter Wave Communication Systems. IEEE Wireless Communications Letters, 2022, 11, 1278-1282.	5.0	2
174	A reduced-complexity and asymptotically efficient time-delay estimator. , 0, , .		1
175	Code-timing synchronization in DS-CDMA systems using space-time diversity. Signal Processing, 2001, 81, 1581-1602.	3.7	1
176	Hybrid Selection/MRC for DVB-S2/RCS in Land Mobile Satellite Scenarios. , 2007, , .		1
177	Time delay estimation in a spatially structured model using decoupled estimators for temporal and spatial parameters. , 2008, , .		1
178	Distributed source coding in large wireless sensor networks. , 2010, , .		1
179	Optimal Rate Allocation in Cluster-Tree WSNs. Sensors, 2011, 11, 3611-3639.	3.8	1
180	Conditional downsampling for energy-efficient communications in wireless sensor networks. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	1

#	ARTICLE	IF	CITATIONS
181	Kronecker-Based Fusion Rule for Cooperative Spectrum Sensing with Multi-Antenna Receivers. Electronics (Switzerland), 2014, 3, 675-688.	3.1	1
182	User perception on Location Based Services: The more you know, the less you are willing to pay?. , 2014, , .		1
183	Subcarrier slip detection for high-order BOC signals. , 2014, , .		1
184	Effect of channel variability on pilot design for joint communications and positioning in OFDM. , 2014, , .		1
185	Computational performance of a cloud GNSS receiver using multi-thread parallelization. , 2016, , .		1
186	MULTI-POS: Lessons Learnt from Fellows and Supervisors. , 2017, , 323-329.		1
187	Space-time CUSUM for distributed quickest detection using randomly spaced sensors along a path. , 2017, , .		1
188	Inhomogeneous quadratic tests in transient signal detection: Closed-form upper bounds and application in GNSS. , 2018, 78, 20-29.		1
189	On the Effect of Mutual Coupling in One-Bit Spatial Sigma-Delta Massive MIMO Systems. , 2020, , .		1
190	Optimizing the mmWave Channel Estimation Duration by Rate Prediction. IEEE Communications Letters, 2021, 25, 555-559.	4.1	1
191	Alternative Implementations of the GNSS Power-Based Capon Beamformer. IEEE Signal Processing Letters, 2021, 28, 1435-1439.	3.6	1
192	Multi-GNSS Dynamic High Precision Positioning in Urban Environment. , 0, , .		1
193	Performance assessment of a low-complexity autoregressive Kalman filter for GNSS carrier tracking using real scintillation time series. GPS Solutions, 2022, 26, 1.	4.3	1
194	A polynomial rooting approach for synchronization in multipath channels using antenna arrays. , 0, , .		0
195	Analysis of the Efficiency and Delay of Bandwidth Request Algorithms in DVB-RCS. , 2006, , .		0
196	Adaptive RED for Cross-layer DVB-S2 systems. , 2006, , .		0
197	Enhanced Dynamic Resource Allocation for DVB-RCS: a Cross-Layer Operational Framework. , 2007, , .		0
198	Distributed algorithm for uplink scheduling in WiMAX networks. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
199	Optimal power allocation in opportunistic relaying with outdated CSI. , 2008, , .		0
200	Optimal distributed flow control over multiple parallel wireless channels. , 2009, , .		0
201	Sensor-to-sensor assistance for distributed signal detection. , 2010, , .		0
202	Distributed power allocation for next-generation cognitive wireless devices. , 2010, , .		0
203	Two-dimensionally spread multicarrier CDMA ranging signals with PAPR lower than 3dB. , 2012, , .		0
204	Coupled-decompositions: exploiting primal-dual interactions in convex optimization problems. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	0
205	Optimal OFDM pilot sequences for time-delay and channel estimation based on the expected CRB for a large number of subcarriers. , 2014, , .		0
206	Receiver architecture for cognitive positioning with CDMA and OFDM signals. , 2015, , .		0
207	Multilag frequency estimation for high-order BOC signals in the acquisition stage. , 2016, , .		0
208	Transient change detection for LOS and NLOS discrimination at GNSS signal processing level. , 2016, , .		0
209	Mitigation of false locks in the acquisition of high-order BOC signals in HS-GNSS receivers. , 2016, , .		0
210	Statistical Characterization of the Optimal Detector for a Signal with Time-Varying Phase Based on the Edgeworth Series. , 2018, , .		0
211	Guest editorial IJSCN special issue on ASMS/SPSC 2016. International Journal of Satellite Communications and Networking, 2019, 37, 1-2.	1.8	0
212	Asymptotic Analysis of the Convergence Time of Autoregressive Kalman Filters. IEEE Signal Processing Letters, 2020, 27, 820-824.	3.6	0
213	Performance Limits and Benefits of Adaptive Autoregressive Kalman Filters for GNSS Scintillation-Robust Carrier Tracking. , 2021, , .		0
214	CONTRIBUTIONS TO THE FILTERING OF NARROWBAND INTERFERENCES IN GNSS. , 2013, , .		0
215	Subcarrier Ambiguity Resolution Techniques for HOBOS Signals under Harsh Realistic Scenarios. , 0, , .		0
216	Spatial Sigma-Delta Massive MIMO: Improved Channel Estimation and Achievable Rates. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
217	Cross-Layer Methods And Standardization Issues. , 2007, , 313-333.		0
218	Dynamic Bandwidth Allocation. , 2007, , 207-238.		0
219	Optimized Switching Between Sensing and Communication for mmWave MU-MISO Systems. , 2022, , .		0