Gonzalo Seco-Granados

List of Publications by Year
in descending order

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	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
2	Low-Complexity Downlink Channel Estimation in mmWave Multiple-Input Single-Output Systems. IEEE Wireless Communications Letters, 2022, 11, 518-522.	5.0	10
3	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
4	Optimal Spatial Signal Design for mmWave Positioning Under Imperfect Synchronization. IEEE Transactions on Vehicular Technology, 2022, 71, 5558-5563.	6.3	14
5	GNSS User Technology: State-of-the-Art and Future Trends. IEEE Access, 2022, 10, 39939-39968.	4.2	16
6	Two Strategies in Transient Change Detection. IEEE Transactions on Signal Processing, 2022, 70, 1418-1433.	5.3	4
7	Robust Beamforming for Localization-Aided Millimeter Wave Communication Systems. IEEE Wireless Communications Letters, 2022, 11, 1278-1282.	5.0	2
8	Evaluation of 5G Positioning Performance Based on UTDoA, AoA and Base-Station Selective Exclusion. Sensors, 2022, 22, 101.	3.8	16
9	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
10	CramÃ©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
11	Guidelines for Galileo Assisted Commercial Authentication Service Implementation. , 2022, , .		5
12	Optimized Switching Between Sensing and Communication for mmWave MU-MISO Systems. , 2022, , .		0
13	Optimizing the mmWave Channel Estimation Duration by Rate Prediction. IEEE Communications Letters, 2021, 25, 555-559.	4.1	1
14	Power-based Capon beamforming: Avoiding the cancellation effects of GNSS multipath. Signal Processing, 2021, 180, 107891.	3.7	7
15	Alternative Implementations of the GNSS Power-Based Capon Beamformer. IEEE Signal Processing Letters, 2021, 28, 1435-1439.	3.6	1
16	Convergent Communication, Sensing and Localization in 6G Systems: An Overview of Technologies, Opportunities and Challenges. IEEE Access, 2021, 9, 26902-26925.	4.2	224
17	Power Allocation and Parameter Estimation for Multipath-Based 5G Positioning. IEEE Transactions on Wireless Communications, 2021, 20, 7302-7316.	9.2	15
18	Joint angle and delay estimation for GNSS multipath signals based on multiple sparse Bayesian Learning. GPS Solutions, 2021, 25, 1.	4.3	6

#	Article	IF	Citations
19	Performance of NLOS Base Station Exclusion in cmWave 5G Positioning. , 2021, , .		3
20	Position Information From Reflecting Surfaces. IEEE Wireless Communications Letters, 2021, 10, 1300-1304.	5.0	2
21	Performance Limits and Benefits of Adaptive Autoregressive Kalman Filters for GNSS Scintillation-Robust Carrier Tracking. , 2021, , .		0
22	RIS-Aided Joint Localization and Synchronization with a Single-Antenna Mmwave Receiver. , 2021, , .		27
23	Near-field Localization with a Reconfigurable Intelligent Surface Acting as Lens. , 2021, , .		61
24	Location-Based Timing Advance Estimation for 5G Integrated LEO Satellite Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 6002-6017.	6.3	20
25	SISO RIS-Enabled Joint 3D Downlink Localization and Synchronization. , 2021, , .		39
26	3D Orientation Estimation with Multiple 5G mmWave Base Stations. , 2021, , .		4
27	Downlink Single-Snapshot Localization and Mapping With a Single-Antenna Receiver. IEEE Transactions on Wireless Communications, 2021, 20, 4672-4684.	9.2	28
28	Location-Privacy Leakage and Integrated Solutions for 5G Cellular Networks and Beyond. Sensors, 2021, 21, 5176.	3.8	10
29	Detection of replay attacks to GNSS based on partial correlations and authentication data unpredictability. GPS Solutions, 2021, 25, 1.	4.3	12
30	Joint Delay and Phase Discriminator Based on ESPRIT for 5G NR Positioning. IEEE Access, 2021, 9, 126550-126563.	4.2	10
31	Semi-Passive 3D Positioning of Multiple RIS-Enabled Users. IEEE Transactions on Vehicular Technology, 2021, 70, 11073-11077.	6.3	26
32	Massive MIMO Channel Estimation With Low-Resolution Spatial Sigma-Delta ADCs. IEEE Access, 2021, 9, 109320-109334.	4.2	11
33	Cooperative Localization with Angular Measurements and Posterior Linearization. , 2020, , .		7
34	Spectral Efficiency of One-Bit Sigma-Delta Massive MIMO. IEEE Journal on Selected Areas in Communications, 2020, 38, 2215-2226.	14.0	15
35	Analysis of High-Accuracy Satellite Messages for Road Applications. IEEE Intelligent Transportation Systems Magazine, 2020, 12, 92-108.	3.8	6
36	On the Effect of Mutual Coupling in One-Bit Spatial Sigma-Delta Massive MIMO Systems. , 2020, , .		1

#	Article	IF	Citations
37	A Testbed for GNSS-Based Positioning and Navigation Technologies in Smart Cities: The HANSEL Project. Smart Cities, 2020, 3, 1219-1241.	9.4	15
38	5G multi-BS Positioning with a Single-Antenna Receiver. , 2020, , .		3
39	Low-Complexity Accurate Mmwave Positioning for Single-Antenna Users Based on Angle-of-Departure and Adaptive Beamforming. , 2020, , .		16
40	Exploitation of 3D City Maps for Hybrid 5G RTT and GNSS Positioning Simulations. , 2020, , .		17
41	Asymptotic Analysis of the Convergence Time of Autoregressive Kalman Filters. IEEE Signal Processing Letters, 2020, 27, 820-824.	3.6	0
42	Single-Anchor Two-Way Localization Bounds for 5G mmWave Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 6388-6400.	6.3	37
43	Adaptive Detection Probability for mmWave 5G SLAM. , 2020, , .		7
44	Performance Analysis for Autonomous Vehicle 5g-Assisted Positioning in GNSS-Challenged Environments. , 2020, , .		11
45	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
46	Spatial Sigma-Delta Massive MIMO: Improved Channel Estimation and Achievable Rates. , 2020, , .		0
47	Millimeter-Wave Downlink Positioning With a Single-Antenna Receiver. IEEE Transactions on Wireless Communications, 2019, 18, 4479-4490.	9.2	55
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	Fast in-Band Position-Aided Beam Selection in Millimeter-Wave MIMO. IEEE Access, 2019, 7, 142325-142338.	4.2	9
50	Decentralized Scheduling for Cooperative Localization With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2019, 68, 4295-4305.	6.3	27
51	Network Design for Accurate Vehicle Localization. IEEE Transactions on Vehicular Technology, 2019, 68, 4316-4327.	6.3	39
52	5G Downlink Multi-Beam Signal Design for LOS Positioning. , 2019, , .		11
53	Mitigation of Jamming Attack in Massive MIMO With One-Bit FBB Sigma-Delta ADCs. , 2019, , .		2
54	Physical-Layer Abstraction for Hybrid GNSS and 5G Positioning Evaluations. , 2019, , .		22

#	Article	IF	Citations
55	Guest editorial IJSCN special issue on ASMS/SPSC 2016. International Journal of Satellite Communications and Networking, 2019, 37, 1-2.	1.8	0
56	Performance Bounds for Finite Moving Average Tests in Transient Change Detection. IEEE Transactions on Signal Processing, 2018, 66, 1594-1606.	5.3	24
57	Closed-Form Approximation for the Steady-State Performance of Second-Order Kalman Filters. IEEE Signal Processing Letters, 2018, 25, 268-272.	3.6	6
58	Position and Orientation Estimation Through Millimeter-Wave MIMO in 5G Systems. IEEE Transactions on Wireless Communications, 2018, 17, 1822-1835.	9.2	349
59	Survey of Cellular Mobile Radio Localization Methods: From 1G to 5G. IEEE Communications Surveys and Tutorials, 2018, 20, 1124-1148.	39.4	383
60	Performance Analysis of Hybrid 5G-GNSS Localization. , 2018, , .		14
61	5G mm Wave Downlink Vehicular Positioning. , 2018, , .		34
62	Design, Implementation and Validation of a GNSS Measurement Exclusion and Weighting Function with a Dual Polarized Antenna. Sensors, 2018, 18, 4483.	3.8	2
63	5G mmWave Vehicular Tracking. , 2018, , .		18
64	Methodology for Simulating 5G and GNSS High-Accuracy Positioning. Sensors, 2018, 18, 3220.	3.8	31
65	Distributed Two-Way Localization Bounds for 5G mmWave Systems. , 2018, , .		8
66	Statistical Characterization of the Optimal Detector for a Signal with Time-Varying Phase Based on the Edgeworth Series. , 2018, , .		0
67	C/N0 estimators for high-sensitivity snapshot GNSS receivers. GPS Solutions, 2018, 22, 1.	4.3	4
68	Closed-Form Approximation for the Convergence Time of pth-Order Kalman Filters. IEEE Signal Processing Letters, 2018, 25, 1505-1509.	3.6	3
69	GNSS Measurement Exclusion and Weighting with a Dual Polarized Antenna: The FANTASTIC project. , 2018, , .		10
70	Position Accuracy of Joint Time-Delay and Channel Estimators in LTE Networks. IEEE Access, 2018, 6, 25185-25199.	4.2	36
71	Transmitter Beam Selection in Millimeter-Wave MIMO With In-Band Position-Aiding. IEEE Transactions on Wireless Communications, 2018, 17, 6082-6092.	9.2	10
72	Mobile Geospatial Computing Systems for Ubiquitous Positioning. Mobile Information Systems, 2018, 2018, 1-2.	0.6	4

#	Article	IF	Citations
73	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
74	Performance of location and orientation estimation in 5G mmWave systems: Uplink vs downlink. , 2018, , .		15
75	Inhomogeneous quadratic tests in transient signal detection: Closed-form upper bounds and application in GNSS. , 2018, 78, 20-29.		1
76	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
77	MULTI-POS: Lessons Learnt from Fellows and Supervisors. , 2017, , 323-329.		1
78	Channel Estimation and Performance Analysis of One-Bit Massive MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 4075-4089.	5.3	367
79	Comprehensive overview of quickest detection theory and its application to GNSS threat detection. Gyroscopy and Navigation, 2017, 8, 1-14.	1.3	13
80	Power Allocation for OFDM Wireless Network Localization Under Expectation and Robustness Constraints. IEEE Transactions on Wireless Communications, 2017, 16, 2027-2038.	9.2	10
81	Unambiguous Techniques Modernized GNSS Signals: Surveying the solutions. IEEE Signal Processing Magazine, 2017, 34, 38-52.	5.6	19
82	Impact of frequency-hopping NB-IoT positioning in 4G and future 5G networks. , 2017, , .		24
83	5G mmWave Positioning for Vehicular Networks. IEEE Wireless Communications, 2017, 24, 80-86.	9.0	312
84	Pilot placement for power-efficient uplink positioning in 5G vehicular networks. , 2017, , .		3
85	Space-time CUSUM for distributed quickest detection using randomly spaced sensors along a path. , 2017, , .		1
86	Optimal fractional non-coherent detector for high-sensitivity GNSS receivers robust against residual frequency offset and unknown bits. , 2017, , .		4
87	Performance limits of V2I ranging localization with LTE networks. , 2017, , .		7
88	Statistical near-far detection techniques for GNSS snapshot receivers. , 2016, , .		3
89	A Navigation Message Authentication Proposal for the Galileo Open Service. Navigation, Journal of the Institute of Navigation, 2016, 63, 85-102.	2.8	83
90	Galileo NMA signal unpredictability and anti-replay protection. , 2016, , .		10

#	Article	IF	Citations
91	Sensitivity of projection-based near-far mitigation techniques in high-sensitivity GNSS software receivers. , 2016, , .		3
92	Random-Phase Beamforming for Initial Access in Millimeter-Wave Cellular Networks. , 2016, , .		6
93	GNSS applications: Personal safety concerns. , 2016, , .		6
94	Multilag frequency estimation for high-order BOC signals in the acquisition stage. , 2016, , .		0
95	Computational performance of a cloud GNSS receiver using multi-thread parallelization. , 2016, , .		1
96	Doubly-adaptive autoregressive Kalman filter for GNSS carrier tracking under scintillation conditions. , 2016, , .		7
97	Performance analysis of hybrid GNSS and LTE Localization in urban scenarios. , 2016, , .		17
98	Cloud GNSS receivers: New advanced applications made possible. , 2016, , .		19
99	Generalized integration techniques for high-sensitivity GNSS receivers affected by oscillator phase noise. , 2016, , .		10
100	Statistical Trilateration With Skew-t Distributed Errors in LTE Networks. IEEE Transactions on Wireless Communications, 2016, 15, 7114-7127.	9.2	17
101	Transient change detection for LOS and NLOS discrimination at GNSS signal processing level. , 2016, , .		0
102	Analysis on the TOA Tracking With DVB-T Signals for Positioning. IEEE Transactions on Broadcasting, 2016, 62, 957-961.	3.2	31
103	Feasibility study of 5G-based localization for assisted driving. , 2016, , .		47
104	Data fusion approaches for WiFi fingerprinting. , 2016, , .		3
105	A finite moving average test for transient change detection in GNSS signal strength monitoring. , 2016, , .		5
106	Mitigation of false locks in the acquisition of high-order BOC signals in HS-GNSS receivers. , 2016, , .		0
107	Channel estimation and uplink achievable rates in one-bit massive MIMO systems. , 2016, , .		28
108	Robust power allocation for OFDM wireless network localization. , 2015, , .		6

#	Article	IF	Citations
109	Downlink synchronization of LTE base stations for opportunistic ToA positioning. , 2015, , .		13
110	Floor Detection with Indoor Vertical Positioning in LTE Femtocell Networks. , 2015, , .		15
111	On the use of quickest detection theory for signal integrity monitoring in single-antenna GNSS receivers. , 2015, , .		6
112	Quickest Detection Framework for Signal Integrity Monitoring in Low-Cost GNSS Receivers. , 2015, , .		2
113	5G Position and Orientation Estimation through Millimeter Wave MIMO. , 2015, , .		86
114	Receiver architecture for cognitive positioning with CDMA and OFDM signals. , 2015, , .		0
115	Adaptive GNSS Carrier Tracking Under Ionospheric Scintillation: Estimation vs. Mitigation. IEEE Communications Letters, 2015, 19, 961-964.	4.1	18
116	Overview of Galileo System. Signals and Communication Technology, 2015, , 9-33.	0.5	10
117	Kronecker-Based Fusion Rule for Cooperative Spectrum Sensingwith Multi-Antenna Receivers. Electronics (Switzerland), 2014, 3, 675-688.	3.1	1
118	Design of OFDM sequences for joint communications and positioning based on the asymptotic expected CRB. , 2014, , .		3
119	Cyclic Frequencies of BOC-Modulated GNSS Signals and Their Potential Within a Cognitive Positioning Framework. Navigation, Journal of the Institute of Navigation, 2014, 61, 95-114.	2.8	7
120	User perception on Location Based Services: The more you know, the less you are willing to pay?. , 2014, , .		1
121	Optimal OFDM pilot sequences for time-delay and channel estimation based on the expected CRB for a large number of subcarriers. , 2014, , .		0
122	Subcarrier slip detection for high-order BOC signals. , 2014, , .		1
123	Use of weak GNSS signals in a mission to the moon. , 2014, , .		18
124	Comparative results analysis on positioning with real LTE signals and low-cost hardware platforms. , 2014, , .		27
125	Indoor localization via WLAN path-loss models and Dempster-Shafer combining. , 2014, , .		8
126	Single- and multi-correlator sequential tests for signal integrity in multi-antenna GNSS receivers. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
127	Interference and multipath sequential tests for signal integrity in multi-antenna GNSS receivers. , 2014, , .		7
128	Multi-antenna spectrum sensing by exploiting spatio-temporal correlation. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	6
129	Joint maximum likelihood time-delay estimation for LTE positioning in multipath channels. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	31
130	Applications of Array Signal Processing. Academic Press Library in Signal Processing, 2014, 3, 859-953.	0.8	13
131	Survey on Robust Carrier Tracking Techniques. IEEE Communications Surveys and Tutorials, 2014, 16, 670-688.	39.4	65
132	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
133	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
134	Amplify-and-Forward Compressed Sensing as an Energy-Efficient Solution in Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 1710-1719.	4.7	27
135	On the performance of deterministic beamformers: A trade-off between array gain and attenuation. Signal Processing, 2014, 94, 158-162.	3.7	2
136	Effect of channel variability on pilot design for joint communications and positioning in OFDM. , 2014, , .		1
137	Conditional downsampling for energy-efficient communications in wireless sensor networks. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	1
138	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
139	Code smoothing for BOC ambiguity mitigation. , 2013, , .		8
140	Signal quality checks for multipath detection in GNSS. , 2013, , .		4
141	Power allocation approaches for combined positioning and communications OFDM systems. , 2013, , .		6
142	Unified Framework for the Synchronization of Flexible Multicarrier Communication Signals. IEEE Transactions on Signal Processing, 2013, 61, 828-842.	5.3	20
143	An interactive multiple model approach for robust GNSS carrier phase tracking under scintillation conditions. , 2013, , .		13
144	C/N_0-Based Criterion for Selecting BOC-Modulated GNSS Signals in Cognitive Positioning. IEEE Communications Letters, 2013, 17, 537-540.	4.1	2

#	Article	IF	Citations
145	Coupled-decompositions: exploiting primal–dual interactions in convex optimization problems. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	0
146	Robust beamforming via FIR filtering for GNSS multipath mitigation. , 2013, , .		7
147	Power allocation method based on the channel statistics for combined positioning and communications OFDM systems. , 2013, , .		11
148	Software-Defined Radio LTE Positioning Receiver Towards Future Hybrid Localization Systems. , 2013, , .		39
149	Code Smoothing for BOC Ambiguity Mitigation. , 2013, , .		5
150	CONTRIBUTIONS TO THE FILTERING OF NARROWBAND INTERFERENCES IN GNSS. , 2013, , .		0
151	Charging station selection optimization for plug-in electric vehicles: An oligopolistic game-theoretic framework. , 2012, , .		21
152	Joint channel and time delay estimation for LTE positioning reference signals. , 2012, , .		10
153	Fair Design of Plug-in Electric Vehicles Aggregator for V2G Regulation. IEEE Transactions on Vehicular Technology, 2012, 61, 3406-3419.	6.3	130
154	Analysis of Side Lobes Cancellation Methods for BOCcos(n, m) signals. , 2012, , .		7
155	Enhanced Correlation Estimators for Distributed Source Coding in Large Wireless Sensor Networks. IEEE Sensors Journal, 2012, 12, 2799-2806.	4.7	22
156	Suboptimal method for pilot and data power allocation in combined positioning and communications OFDM systems. , 2012, , .		6
157	Two-dimensionally spread multicarrier CDMA ranging signals with PAPR lower than 3dB. , 2012, , .		0
158	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
159	Evaluation of the LTE positioning capabilities under typical multipath channels. , 2012, , .		23
160	Achievable localization accuracy of the positioning reference signal of 3GPP LTE. , 2012, , .		67
161	Amplify-and-forward compressed sensing as a PHY-layer secrecy solution in wireless sensor networks. , 2012, , .		4
162	Relation between GDOP and the geometry of the satellite constellation. , 2011, , .		15

#	Article	IF	Citations
163	Multi-channel routing algorithm for cluster-tree wireless sensor networks in aerospace applications. , 2011, , .		4
164	Pilot optimization for time-delay and channel estimation in OFDM systems. , 2011, , .		23
165	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
166	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
167	Unified framework for flexible multi-carrier communication systems. , 2011, , .		4
168	Optimal Rate Allocation in Cluster-Tree WSNs. Sensors, 2011, 11, 3611-3639.	3.8	1
169	Localization Algorithm with On-line Path Loss Estimation and Node Selection. Sensors, 2011, 11, 6905-6925.	3.8	26
170	Kalman filter-based architecture for robust and high-sensitivity tracking in GNSS receivers. , 2010, , .		14
171	Distributed source coding in large wireless sensor networks. , 2010, , .		1
172	Sensor-to-sensor assistance for distributed signal detection. , 2010, , .		0
173	Node selection for cooperative localization: Efficient energy vs. accuracy trade-off. , 2010, , .		8
174	Real-time path loss and node selection for cooperative localization in wireless sensor networks. , 2010, , .		9
175	DINGPOS, a GNSS-based multi-sensor demonstrator for indoor navigation: Preliminary results. , 2010, , .		4
176	ADIBEAM: Design and experimental validation of a robust beamforming platform for Galileo reference ground stations. , 2010, , .		2
177	Spreading code design for a MC-CDMA based GNSS pilot signal. , 2010, , .		4
178	A novel look into digital beamforming techniques for multipath and interference mitigation in Galileo Ground Stations. , 2010, , .		5
179	Distributed power allocation for next-generation cognitive wireless devices. , 2010, , .		0
180	Tailoring Project-Based Learning for a communications engineering course. , 2009, , .		4

#	Article	IF	Citations
181	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
182	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
183	Efficiency comparison of LDPC-LDGM and Raptor codes for PL-FEC with very large block sizes. , 2009, , .		2
184	Optimal distributed flow control over multiple parallel wireless channels. , 2009, , .		0
185	A Robust Relay Selection Strategy for Cooperative Systems with Outdated CSI. , 2009, , .		11
186	Opportunistic relay selection with outdated CSI: outage probability and diversity analysis. IEEE Transactions on Wireless Communications, 2009, 8, 2872-2876.	9.2	226
187	Fair Adaptive Bandwidth and Subchannel Allocation in the WiMAX Uplink. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	2
188	Cross-Layer Design of Dynamic Bandwidth Allocation in DVB-RCS. IEEE Systems Journal, 2008, 2, 62-73.	4.6	15
189	Distributed algorithm for uplink scheduling in WiMAX networks. , 2008, , .		0
190	Time delay estimation in a spatially structured model using decoupled estimators for temporal and spatial parameters. , 2008, , .		1
191	Optimal noncoherent detector for HS-GNSS receivers. , 2008, , .		2
192	The extended invariance principle applied to joint time-delay, frequency, and DOA estimation. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	6
193	Quantum Key Distribution (QKD) using LEO and MEO satellites and decoy states. , 2008, , .		2
194	Optimal power allocation in opportunistic relaying with outdated CSI. , 2008, , .		0
195	Hybrid Selection/MRC for DVB-S2/RCS in Land Mobile Satellite Scenarios. , 2007, , .		1
196	Advanced Fade Countermeasures for DVB-S2 Systems in Railway Scenarios. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, .	2.4	16
197	Computationally Efficient Cross-Layer Algorithm for Fair Dynamic Bandwidth Allocation. , 2007, , .		6
198	Detection and Mitigation of Cross-Correlation Interference in High-Sensitivity GNSS Receivers. , 2007, , .		4

#	Article	IF	Citations
199	Enhanced Dynamic Resource Allocation for DVB-RCS: a Cross-Layer Operational Framework. , 2007, , .		0
200	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
201	Cross-Layer Methods And Standardization Issues. , 2007, , 313-333.		0
202	Dynamic Bandwidth Allocation. , 2007, , 207-238.		0
203	Analysis of the Efficiency and Delay of Bandwidth Request Algorithms in DVB-RCS. , 2006, , .		0
204	A tunable-fairness cross-layer scheduler for DVB-S2. International Journal of Satellite Communications and Networking, 2006, 24, 437-450.	1.8	16
205	SAT03-3: Joint Time Slot Optimization and Fair Bandwidth Allocation for DVB-RCS Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	10
206	Adaptive RED for Cross-layer DVB-S2 systems. , 2006, , .		0
207	SAT03-6: Algorithm for Fair Bandwidth Allocation with QoS Constraints in DVB-S2/RCS. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	6
208	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
209	Positioning and navigation with applications to communications [from the Guest Editors. IEEE Signal Processing Magazine, 2005, 22, 10-11.	5.6	30
210	Joint maximum likelihood estimation of time delays and Doppler shifts. , 2003, , .		2
211	Code-timing synchronization in DS-CDMA systems using space–time diversity. Signal Processing, 2001, 81, 1581-1602.	3.7	1
212	Maximum likelihood propagation-delay estimation in unknown correlated noise using antenna arrays: application to Global Navigation Satellite Systems. , 0, , .		4
213	A reduced-complexity and asymptotically efficient time-delay estimator. , 0, , .		1
214	A polynomial rooting approach for synchronization in multipath channels using antenna arrays. , 0, , .		0
215	Multi-GNSS Dynamic High Precision Positioning in Urban Environment. , 0, , .		1
216	Evaluation of Hybrid Positioning Scenarios for Autonomous Vehicle Applications. , 0, , .		7

#	Article	IF	Citations
217	Subcarrier Ambiguity Resolution Techniques for HOBOC Signals under Harsh Realistic Scenarios. , 0, , .		0
218	Implementation and Testing of OSNMA for Galileo. , 0, , .		12
219	Sequential Change Detection for Next-Generation RAIM Algorithms. , 0, , .		2