

# Sofiane Affes

## List of Publications by Year in descending order

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327  
papers

4,316  
citations

136950

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175258

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all docs

328  
docs citations

328  
times ranked

2661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of a 60 GHz scattered wireless channel with different antenna polarizations for underground multimedia applications. IET Microwaves, Antennas and Propagation, 2021, 15, 1063-1075.	1.4	0
2	Coverage Analysis and Scaling Laws in Ultra-Dense Networks. IEEE Transactions on Communications, 2021, 69, 4158-4171.	7.8	3
3	Modulation-Based Simultaneous Wireless Information and Power Transfer. IEEE Communications Letters, 2020, 24, 136-140.	4.1	9
4	Recent Advances and Future Directions on Underwater Wireless Communications. Archives of Computational Methods in Engineering, 2020, 27, 1379-1412.	10.2	116
5	Distributed Zero-Forcing Amplify-and-Forward Beamforming for WSN Operation in Interfered and Highly Scattered Environments. IEEE Transactions on Communications, 2020, 68, 1187-1199.	7.8	4
6	Transmit Diversity for FSO/RF-Based Multiuser Networks. , 2020, , .		5
7	Hardware Impaired Self-Energized Bidirectional Sensor Networks over Complex Fading Channels. Sensors, 2020, 20, 5574.	3.8	2
8	SINR Coverage Analysis of Dense HetNets Over Fox's H-Fading Channels. , 2020, , .		0
9	Angular Dispersion of a Scattered Underground Wireless Channel at 60 GHz. IEEE Access, 2020, 8, 67572-67580.	4.2	3
10	A New Construction of High Performance LDPC Matrices for Mobile Networks. Sensors, 2020, 20, 2300.	3.8	8
11	Maximum Likelihood Joint Angle and Delay Estimation from Multipath and Multicarrier Transmissions with Application to Indoor Localization over IEEE 802.11ac Radio. IEEE Transactions on Mobile Computing, 2019, 18, 1116-1132.	5.8	15
12	Unified Analysis and Optimization of D2D Communications in Cellular Networks Over Fading Channels. IEEE Transactions on Communications, 2019, 67, 724-736.	7.8	16
13	Shadowed FSO/mmWave Systems With Interference. IEEE Transactions on Communications, 2019, 67, 6256-6267.	7.8	15
14	Multi-User Mixed FSO-RF Systems With Aperture Selection Under Poisson Field Interference. IEEE Access, 2019, 7, 73764-73781.	4.2	12
15	ML-Type EM-Based Estimation of Fast Time-Varying Frequency-Selective Channels Over SIMO OFDM Transmissions. IEEE Access, 2019, 7, 148265-148277.	4.2	2
16	ML EM Estimation of Fast Time-Varying OFDM-Type Channels. , 2019, , .		2
17	FPGA-SDR Integration and Experimental Validation of a Joint DA ML SNR and Doppler Spread Estimator for 5G Cognitive Transceivers. IEEE Access, 2019, 7, 69464-69480.	4.2	8
18	Angular Parameters Estimation of Multiple Incoherently Distributed Sources Generating Noncircular Signals. IEEE Access, 2019, 7, 38451-38468.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Robust Distributed Collaborative Beamforming for Wireless Sensor Networks with Channel Estimation Impairments. <i>Sensors</i> , 2019, 19, 1061.	3.8	9
20	User-Centric Base-Station Wireless Access Virtualization for Future 5G Networks. <i>IEEE Transactions on Communications</i> , 2019, 67, 5190-5202.	7.8	31
21	EM-Based ML Estimation of Fast Time-Varying Multipath Channels for SIMO OFDM Systems. , 2019, , .		0
22	Blind Maximum Likelihood Jade in Multipath Environment Using Importance Sampling. , 2019, , .		2
23	Joint ML Time and Frequency Synchronization for Distributed MIMO-Relay Beamforming. , 2019, , .		2
24	Multi-Node ML Time and Frequency Synchronization for Distributed MIMO-Relay Beamforming Over Time-Varying Flat-Fading Channels. <i>IEEE Transactions on Communications</i> , 2019, 67, 2702-2715.	7.8	9
25	Low-Cost Robust Distributed Collaborative Beamforming against Implementation Impairments. , 2018, , .		2
26	ML Time-Delay and CFO Synchronization for MIMO-Relay Beamforming over Time-Varying Channels. , 2018, , .		2
27	QoS-Based Virtualization of User Equipment in 5G Networks (Invited Paper). , 2018, , .		1
28	End-to-end programmable, cloud-based virtualized HetNet: Advances made & challenges to address. <i>Computer Communications</i> , 2017, 105, 14-32.	5.1	1
29	A Low-Cost and Robust Maximum Likelihood Joint Estimator for the Doppler Spread and CFO Parameters Over Flat-Fading Rayleigh Channels. <i>IEEE Transactions on Communications</i> , 2017, , 1-1.	7.8	11
30	Maximum Likelihood Time Delay Estimation From Single- and Multi-Carrier DSSS Multipath MIMO Transmissions for Future 5G Networks. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 4851-4865.	9.2	28
31	Code-Aided DOA Estimation From Turbo-Coded QAM Transmissions: Analytical CRLBs and Maximum Likelihood Estimator. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 2850-2865.	9.2	8
32	Relay-Assisted Mixed FSO/RF Systems Over $M$ -laga- $\mathcal{M}$ and $\kappa \mu$ Shadowed Fading Channels. <i>IEEE Wireless Communications Letters</i> , 2017, 6, 682-685.	5.0	27
33	Progressive hybrid greyfield wireless access virtualization: Graph-optimized dynamic utility tradeoffs between cloud, fog, and legacy RANs. , 2017, , .		1
34	Unified Stochastic Geometry Modeling and Analysis of Cellular Networks in LOS/NLOS and Shadowed Fading. <i>IEEE Transactions on Communications</i> , 2017, 65, 5470-5486.	7.8	26
35	Time Synchronization of Turbo-Coded Square-QAM-Modulated Transmissions: Code-Aided ML Estimator and Closed-Form Cram��r�� Rao Lower Bounds. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 10776-10792.	6.3	7
36	Low-complexity DOA estimation from short data snapshots for ULA systems using the annihilating filter technique. <i>Eurasip Journal on Advances in Signal Processing</i> , 2017, 2017, .	1.7	4

#	ARTICLE	IF	CITATIONS
37	Unified stochastic geometry analysis of downlink cellular networks. , 2017, , .		0
38	Generalized SINR analysis for device-to-device communications. , 2017, , .		1
39	Progressive hybrid greyfield wireless access virtualization with leveraged combining of cloud, fog, and legacy RANs. , 2017, , .		1
40	FPGA prototyping of a STAR-based time-delay estimator for 5G radio access. , 2017, , .		2
41	60 GHz temporal dispersion characteristics with different antenna polarizations in an underground mine. , 2017, , .		1
42	A cognitive MIMO transceiver for enhanced 4G and beyond link-level throughput. , 2017, , .		1
43	Enhanced range-free localization in wireless sensor networks using a new weighted hop-size estimation technique. , 2017, , .		9
44	Energy-Efficient distributed amplify-and-forward beamforming for wireless sensor networks. , 2017, , .		1
45	Low-cost code-aided ML timing recovery from turbo-coded QAM transmissions. , 2017, , .		1
46	Cost-, spectrum-, and energy-efficient distributed collaborative beamforming designs for real-world applications. , 2017, , .		0
47	Graph-optimized progressive hybrid greyfield wireless access virtualization. , 2017, , .		0
48	Joint time and frequency synchronization for distributed beamforming in decode-and-forward relaying systems using importance sampling. , 2017, , .		0
49	Accurate range-free ANN-based localization in wireless sensor networks. , 2017, , .		2
50	Distributed zero-forcing AF beamforming for energy-efficient communications in networked smart cities. , 2017, , .		2
51	Dual-hop MÄlaga-M FSO systems with pointing errors. , 2017, , .		1
52	ML time delay estimation for 5G links with DSSS multi-carrier multipath MIMO radio access. , 2017, , .		2
53	On the performance analysis of mixed multi-aperture FSO/multiuser RF relay systems with interference. , 2017, , .		17
54	Interference-limited mixed MÄlaga-M and generalized-K dual-hop FSO/RF systems. , 2017, , .		3

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55	Distributed Collaborative Beamforming for Real-World WSN Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 316-329.	0.3	1
56	Throughput and cost-efficient interference cancelation strategies for the downlink of spectrum-sharing Long Term Evolution heterogeneous networks. Wireless Communications and Mobile Computing, 2016, 16, 236-248.	1.2	2
57	Wireless Access Virtualization Strategies for Future User-Centric 5G Networks. , 2016, , .		2
58	Large scale opportunistic antenna and user selection in AF relay networks with interference. , 2016, , .		0
59	Closed-Form CRLBs for the SNR Estimates from Turbo-Coded PAM- and Rectangular-QAM-Modulated Signals. , 2016, , .		1
60	Closed-Form Phase and CFO Estimation CRLBs from Turbo-Coded PAM- and RQAM-Modulated Signals. , 2016, , .		0
61	Multi-Cell Full-Duplex Wireless Communication for Dense Urban Deployment. , 2016, , .		5
62	Rapid prototyping and validation on an SDR platform of a low-cost hybrid ML SNR estimator over time-varying SIMO channels. , 2016, , .		0
63	User-centric wireless access virtualization strategies for future 5G networks. , 2016, , .		1
64	MUCICA: A novel interference mitigation concept for HetNets " Application to the LTE downlink. , 2016, , .		0
65	A context-aware cognitive SIMO transceiver for enhanced throughput on the downlink of LTE HetNet. Wireless Communications and Mobile Computing, 2016, 16, 1414-1430.	1.2	3
66	Range-free node localization in multi-hop wireless sensor networks. , 2016, , .		1
67	Accurate range-free node localization in mobile ad hoc networks. , 2016, , .		0
68	Accurate Range-Free Localization in Multi-Hop Wireless Sensor Networks. IEEE Transactions on Communications, 2016, 64, 3886-3900.	7.8	52
69	Robust ANNs-Based WSN Localization in the Presence of Anisotropic Signal Attenuation. IEEE Wireless Communications Letters, 2016, 5, 504-507.	5.0	48
70	Optimal anchors placement strategy for super accurate nodes localization in anisotropic wireless sensor networks. , 2016, , .		4
71	Path loss exponent estimation using connectivity information in wireless sensor network. , 2016, , .		9
72	Distributed collaborative beamforming design in highly-scattered environments. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
73	Design Optimization of Wireless Access Virtualization Based on Cost & QoS Trade-Off Utility Maximization. IEEE Transactions on Wireless Communications, 2016, 15, 6146-6162.	9.2	20
74	Capacity Scaling Laws in Interference-Limited Multiple-Antenna AF Relay Networks With User Scheduling. IEEE Transactions on Communications, 2016, 64, 3284-3295.	7.8	5
75	Low-Cost Localization for Multihop Heterogeneous Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 472-484.	9.2	58
76	Distributed Collaborative Beamforming Design in Scattered-Environments. , 2015, , .		1
77	HetNet Cloud: Leveraging SDN & Cloud Computing for Wireless Access Virtualization. , 2015, , .		9
78	MIMO relaying with interference via the CMGF transform. , 2015, , .		0
79	A Context-Aware Cognitive SIMO DL Transceiver for LTE HetNet Power Efficiency and Throughput Enhancement. , 2015, , .		0
80	Distributed collaborative beamforming designs for real-world applications in relayed and cooperative communications. , 2015, , .		0
81	Opportunistic Open-Access Macro-Femto Networks with Femto Base Station Selection. , 2015, , .		1
82	Distributed Collaborative Beamforming Design for Maximized Throughput in Real-World Environments. , 2015, , .		0
83	Context-Aware Cognitive SIMO Transceiver for Increased LTE-Downlink Link-Level Throughput. , 2015, , .		1
84	Implementation of a Maximum Likelihood Doppler Spread Estimator on a Model-Based Design Platform. , 2015, , .		0
85	Range-Free Nodes Localization in Mobile Wireless Sensor Networks. , 2015, , .		9
86	Closed-form Cramer-Rao lower bounds for DOA estimation from turbo-coded square-QAM-modulated transmissions. , 2015, , .		5
87	Distributed Implementation of Collaborative Beamforming in Highly-Scattered Environments. , 2015, , .		1
88	A Context-Aware Cognitive SIMO DL Transceiver for LTE HetNet Enhanced Pico-Cell Range Expansion. , 2015, , .		0
89	A context-aware cognitive SIMO transceiver for increased LTE-HetNet system-level DL-throughput. , 2015, , .		1
90	Opportunistic Scheduling in Downlink Multiple-Antenna AF Interfered Networks. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
91	Efficient Node Localization in Energy-Harvesting Wireless Sensor Networks. , 2015, , .		6
92	Accurate Sensors Localization in Underground Mines or Tunnels. , 2015, , .		5
93	Estimation of Angular Spreads and Mean Angles of Arrival for Multiple Incoherently-Distributed Noncircular Sources. , 2015, , .		0
94	Comparative Study on a 60 GHz Path Loss Channel Modeling in a Mine Environment Using Neural Networks. , 2015, , .		9
95	Experimental Results of Rician K-Factor and Co-Polarization Ratio of 60 GHz Wireless Channel in an Underground Mine Gallery. , 2015, , .		4
96	Statistical Modeling of 60 GHz Wireless Channel in an Underground Mine Gallery. , 2015, , .		2
97	Code-Aided Time Synchronization of Turbo-Coded Square-QAM-Modulated Transmissions: Closed-Form Cramer-Rao Lower Bounds. , 2015, , .		2
98	Distributed Collaborative Beamforming Design for Maximized Throughput in Interfered and Scattered Environments. IEEE Transactions on Communications, 2015, 63, 4905-4919.	7.8	17
99	Accurate Nodes Localization in Anisotropic Wireless Sensor Networks. , 2015, , .		13
100	Combined Interference Cancellation and Avoidance over the Downlink of Spectrum-Sharing LTE HetNet. , 2015, , .		3
101	Resource Allocation in Heterogeneous Small-Cell Networks with Interference Avoidance Admission. , 2015, , .		0
102	Cramer-Rao Lower Bounds for Angular Parameters Estimates from Incoherently Distributed Signals Generated by Noncircular Sources. , 2015, , .		0
103	Maximum Likelihood SNR Estimation of Linearly-Modulated Signals Over Time-Varying Flat-Fading SIMO Channels. IEEE Transactions on Signal Processing, 2015, 63, 441-456.	5.3	31
104	Distributed Beamforming for Two-Way DF Relay Cognitive Networks Under Primaryâ€™Secondary Mutual Interference. IEEE Transactions on Vehicular Technology, 2015, 64, 3918-3930.	6.3	15
105	Ergodic Capacity of Two-Hop Multiple Antenna AF Systems With Co-Channel Interference. IEEE Wireless Communications Letters, 2015, 4, 26-29.	5.0	13
106	Closed-Form CRLBs for CFO and Phase Estimation From Turbo-Coded Square-QAM-Modulated Transmissions. IEEE Transactions on Wireless Communications, 2015, 14, 2513-2531.	9.2	16
107	Configuration cost vs. QoS trade-off analysis and optimization of SDR access virtualization schemes. , 2015, , .		3
108	Cost-effective and accurate nodes localization in heterogeneous wireless sensor networks. , 2015, , .		10

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109	Multi-antenna cognitive AF relay systems with multiple primary receivers. , 2015, , .		3
110	Power-Constrained Distributed Implementation of SNR-Optimal Collaborative Beamforming in Highly-Scattered Environments. IEEE Wireless Communications Letters, 2015, 4, 457-460.	5.0	12
111	Code-Aided Direction Finding in Turbo-Coded Square-QAM Transmissions. , 2015, , .		0
112	Service Differentiation in Software Defined Virtual Heterogeneous Wireless Networks. , 2015, , .		6
113	Accurate Nodes Localization in Anisotropic Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 105682.	2.2	17
114	Capacity and Error Rate Analysis of Cognitive MIMO AF Relaying Systems. IEEE Wireless Communications Letters, 2014, 3, 665-668.	5.0	3
115	Capacity of cognitive AF relay networks with multiple primary receivers. , 2014, , .		1
116	Distributed beamforming for spectrum-sharing relay networks under mutual primary-secondary interference. , 2014, , .		4
117	Green Wireless Access Virtualization Implementation: Cost vs. QoS Trade-offs. , 2014, , .		1
118	Analysis of relay capacity over generalized fading channels with cochannel interference. , 2014, , .		1
119	Range-Free Localization Algorithm for Anisotropic Wireless Sensor Networks. , 2014, , .		13
120	Range-free localization algorithm for heterogeneous Wireless Sensor Networks. , 2014, , .		15
121	Closed-form CRLBs for SNR estimation from turbo-coded square-QAM-modulated signals. , 2014, , .		2
122	A new importance-sampling ML estimator of time delays and angles of arrival in multipath environments. , 2014, , .		5
123	On the Performance of Cooperative Relaying Spectrum-Sharing Systems with Collaborative Distributed Beamforming. IEEE Transactions on Communications, 2014, 62, 857-871.	7.8	55
124	Distributed Collaborative Beamforming in the Presence of Angular Scattering. IEEE Transactions on Communications, 2014, 62, 1668-1680.	7.8	22
125	Rough surface scattering analysis at 60 GHz in an underground mine gallery. , 2014, , .		9
126	On the Performance of Cooperative Relaying Spectrum-Sharing Systems with Collaborative Distributed Beamforming. IEEE Transactions on Communications, 2014, , 1-15.	7.8	0



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127	Distributed Beamforming for Spectrum-Sharing Systems With AF Cooperative Two-Way Relaying. IEEE Transactions on Communications, 2014, 62, 3180-3195.	7.8	17
128	Closed-Form CRLBs for SNR Estimation From Turbo-Coded BPSK-, MSK-, and Square-QAM-Modulated Signals. IEEE Transactions on Signal Processing, 2014, 62, 4018-4033.	5.3	27
129	Maximum likelihood SNR estimation over time-varying flat-fading SIMO channels. , 2014, , .		4
130	Cost-effective localization in underground mines using new SIMO/MIMO-like fingerprints and artificial neural networks. , 2014, , .		8
131	Distributed Collaborative Beamforming Design for Maximized Throughput in Real-World Environments. , 2014, , .		0
132	Closed-form Cramér-Rao lower bounds for CFO and phase estimation from turbo-coded square-QAM-modulated signals. , 2014, , .		0
133	Code-Aided Time Synchronization of Turbo-Coded Square-QAM-Modulated Transmissions: Closed-Form Cramer-Rao Lower Bounds. , 2014, , .		0
134	Scattering effect based on measurements of reflection coefficients at 60 GHz in an underground mine gallery. , 2014, , .		4
135	Ergodic Capacity Analysis for Interference-Limited AF Multi-Hop Relaying Channels in Nakagami-m Fading. IEEE Transactions on Communications, 2013, 61, 2726-2734.	7.8	21
136	Downlink interference cancellation strategy for shared-spectrum LTE HetNet. , 2013, , .		7
137	Collaborative beamforming for spectrum-sharing two-way selective relay networks under co-channel interferences. , 2013, , .		1
138	Efficient range-free localization algorithm for randomly distributed wireless sensor networks. , 2013, , .		15
139	Hop-count based localization algorithm for wireless sensor networks. , 2013, , .		5
140	A Maximum Likelihood Time Delay Estimator in a Multipath Environment Using Importance Sampling. IEEE Transactions on Signal Processing, 2013, 61, 182-193.	5.3	34
141	On the Ergodic Capacity of Amplify-and-Forward Relay Channels with Interference in Nakagami-m Fading. IEEE Transactions on Communications, 2013, 61, 3136-3145.	7.8	19
142	On the performance of spectrum sharing two-way relay networks with distributed beamforming. , 2013, , .		2
143	Cooperative two-way selective relaying in spectrum-sharing systems with distributed beamforming. , 2013, , .		3
144	Analysis of CAPEX and OPEX benefits of wireless access virtualization. , 2013, , .		28

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145	Analysis of collaborative beamforming designs in real-world environments. , 2013, , .		10
146	A low-cost and robust maximum likelihood doppler spread estimator. , 2013, , .		7
147	Reactive relay selection in cooperative spectrum-sharing systems. , 2012, , .		4
148	Distributed collaborative beamforming with minimum overhead for local scattering environments. , 2012, , .		8
149	Distributed Beamforming for Wireless Sensor Networks in Local Scattering Environments. , 2012, , .		9
150	Spectrum-efficient distributed collaborative beamforming in the presence of local scattering and interference. , 2012, , .		5
151	SNR and throughput analysis of distributed collaborative beamforming in locallyâ€scattered environments. Wireless Communications and Mobile Computing, 2012, 12, 1620-1633.	1.2	19
152	Stochastic NDA CRLB for DOA Estimation over SIMO Systems. , 2012, , .		0
153	A study of 60 GHz channel estimation techniques using pilot carriers in OFDM systems in a confined area. , 2012, , .		1
154	Cooperative relaying in spectrum-sharing systems with beamforming and interference constraints. , 2012, , .		19
155	Exact Error Analysis of Dual-Hop Fixed-Gain AF Relaying over Arbitrary Nakagami-m Fading. , 2012, , .		7
156	Enhancing the performance of spectrum-sharing systems via collaborative distributed beamforming and AF relaying. , 2012, , .		7
157	The Inverse Gaussian Distribution in Wireless Channels: Second-Order Statistics and Channel Capacity. IEEE Transactions on Communications, 2012, 60, 3167-3173.	7.8	24
158	Decentralized Relay Selection Schemes in Uniformly Distributed Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2012, 11, 938-951.	9.2	41
159	Design Considerations for an UWB Computationally-Efficient Fast Acquisition System for Indoor Line-of-Sight Ranging Applications. IEEE Transactions on Wireless Communications, 2011, 10, 2776-2784.	9.2	7
160	Cooperative geo-location in underground mines: A novel fingerprint positioning technique exploiting spatio-temporal diversity. , 2011, , .		9
161	Radio-localization in underground narrow-vein mines using neural networks with in-built tracking and time diversity. , 2011, , .		4
162	Closed-Form Expressions for the Exact CramÃ©râ€Rao Bounds of Timing Recovery Estimators From BPSK, MSK and Square-QAM Transmissions. IEEE Transactions on Signal Processing, 2011, 59, 2474-2484.	5.3	24

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163	Jointly Optimal Source Power Control and Relay Matrix Design in Multipoint-to-Multipoint Cooperative Communication Networks. IEEE Transactions on Signal Processing, 2011, 59, 4313-4330.	5.3	24
164	A Distributed Amplify-and-Forward Beamforming Technique in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2011, 59, 3657-3674.	5.3	30
165	DOA Estimation of Temporally and Spatially Correlated Narrowband Noncircular Sources in Spatially Correlated White Noise. IEEE Transactions on Signal Processing, 2011, 59, 4108-4121.	5.3	33
166	Joint Source Power Control and Relay Beamforming in Amplify-and-Forward Cognitive Networks with Multiple Source-Destination Pairs. , 2011, , .		13
167	Multi-port front-end and transceivers for V-band multi-gigabit/s communication systems. , 2011, , 707-732.		14
168	An Integrated Solution for Online Multichannel Noise Tracking and Reduction. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2159-2169.	3.2	95
169	Cramer-Rao Lower Bounds of DOA Estimates from Square QAM-Modulated Signals. IEEE Transactions on Communications, 2011, 59, 1675-1685.	7.8	13
170	Closed-Form Error Analysis of Variable-Gain Multihop Systems in Nakagami-m Fading Channels. IEEE Transactions on Communications, 2011, 59, 2285-2295.	7.8	13
171	Quasi-Convexity of the Asymptotic Channel MSE in Regularized Semi Blind Estimation. IEEE Transactions on Information Theory, 2011, 57, 4732-4739.	2.4	1
172	A Non-Data-Aided Maximum Likelihood Time Delay Estimator Using Importance Sampling. IEEE Transactions on Signal Processing, 2011, 59, 4505-4515.	5.3	34
173	A new low-complexity angular spread estimator in the presence of line-of-sight with angular distribution selection. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	2
174	Advances in angle-of-arrival and multidimensional signal processing for localization and communications. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	1
175	Maximum likelihood time delay estimation for Direct-Spread CDMA multipath transmissions using importance sampling. , 2011, , .		3
176	Joint power control and relay design in underlay cognitive networks with multiple transmitter-receiver pairs. , 2011, , .		1
177	Closed-Form Expressions for the Exact Cramer-Rao Bounds of Timing Recovery Estimators from BPSK and Square-QAM Transmissions. , 2011, , .		2
178	A new importance-sampling-based non-data-aided maximum likelihood time delay estimator. , 2011, , .		6
179	DOA Estimation for ULA Systems from Short Data Snapshots: An Annihilating Filter Approach. , 2011, , .		5
180	A Maximum Likelihood Time Delay Estimator Using Importance Sampling. , 2011, , .		2

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181	Second-order moment-based direction finding of a single source for ULA systems. , 2011, , .		1
182	Joint Estimation of the Ricean K-Factor and the SNR for SIMO Systems Using Higher Order Statistics. , 2011, , .		3
183	DOA estimation from temporally and spatially correlated narrowband signals with noncircular sources. , 2011, , .		0
184	SNR Estimation Over SIMO Channels From Linearly Modulated Signals. IEEE Transactions on Signal Processing, 2010, 58, 6017-6028.	5.3	32
185	Cramer-Rao Lower Bounds for NDA SNR Estimates of Square QAM Modulated Transmissions. IEEE Transactions on Communications, 2010, 58, 3211-3218.	7.8	38
186	On Optimal Frequency-Domain Multichannel Linear Filtering for Noise Reduction. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 260-276.	3.2	189
187	Gaussian Model-Based Multichannel Speech Presence Probability. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1072-1077.	3.2	67
188	Broadband Source Localization From an Eigenanalysis Perspective. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1575-1587.	3.2	23
189	A Useful Integral for Wireless Communication Theory and Its Application in Amplify-And-Forward Multihop Relaying. , 2010, , .		1
190	Closed-Form Error Analysis of Dual-Hop Relaying Systems over Nakagami-m Fading Channels. , 2010, , .		1
191	A second-order-statistics-based solution for online multichannel noise tracking and reduction. , 2010, , .		1
192	Linear filtering for noise reduction and interference rejection. , 2010, , .		0
193	Distributed Beamforming for Wireless Sensor Networks With Improved Graph Connectivity and Energy Efficiency. IEEE Transactions on Signal Processing, 2010, 58, 1904-1921.	5.3	43
194	Cooperative Localization in Mines Using Fingerprinting and Neural Networks. , 2010, , .		41
195	Closed form expression for the Cramér-Rao lower bound for the DOA estimates from spatially and temporally correlated narrowband signals considering noncircular sources. , 2010, , .		1
196	A Dual-Hop Amplify-and-Forward MIMO Cooperative Beamformer in Distributed Wireless Sensor Networks. , 2010, , .		0
197	Topology-Assisted Techniques to Relay Selection for Homogeneously Distributed Wireless Sensor Networks. , 2010, , .		1
198	Collaborative Null-Steering Beamforming for Uniformly Distributed Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2010, 58, 1889-1903.	5.3	68

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199	Eigenanalysis-based broadband source localization. , 2010, , .		0
200	Moment-based SNR estimation over linearly-modulated wireless SIMO channels. IEEE Transactions on Wireless Communications, 2010, 9, 714-722.	9.2	38
201	Cram�r-Rao Lower Bounds for Subcarrier SNR Estimates Over Multicarrier Channels. IEEE Transactions on Signal Processing, 2010, 58, 891-896.	5.3	1
202	Cram�r-Rao Lower Bounds for Frequency and Phase NDA Estimation From Arbitrary Square QAM-Modulated Signals. IEEE Transactions on Signal Processing, 2010, 58, 4517-4525.	5.3	15
203	A Study of the LCMV and MVDR Noise Reduction Filters. IEEE Transactions on Signal Processing, 2010, 58, 4925-4935.	5.3	111
204	Joint Power Control and Relay Matrix Design for Cooperative Communication Networks with Multiple Source-Destination Pairs. , 2010, , .		3
205	On the Performance of Dual-Hop Fixed Gain Relaying Systems over Composite Multipath/Shadowing Channels. , 2010, , .		10
206	On the Global Output SNR of the Parameterized Frequency-Domain Multichannel Noise Reduction Wiener Filter. IEEE Signal Processing Letters, 2010, 17, 425-428.	3.6	19
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