

Marc Moonen

List of Publications by Year in descending order

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243
papers

6,446
citations

71102

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251
all docs

251
docs citations

251
times ranked

3167
citing authors

#	ARTICLE	IF	CITATIONS
1	MIMO Per-Tone Equalizer Design for Long Reach xDSL. IEEE Open Journal of the Communications Society, 2022, 3, 51-64.	6.9	0
2	Distributed Combined Acoustic Echo Cancellation and Noise Reduction in Wireless Acoustic Sensor and Actuator Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 534-547.	5.8	11
3	Cell-Free mMIMO Support in the O-RAN Architecture: A PHY Layer Perspective for 5G and Beyond Networks. IEEE Communications Standards Magazine, 2022, 6, 28-34.	4.9	24
4	Cascade Multi-Channel Noise Reduction and Acoustic Feedback Cancellation. , 2022, , .		3
5	Instantaneous PSD Estimation for Speech Enhancement based on Generalized Principal Components. , 2021, , .		2
6	Signal Impropriety in Discrete Multi-Tone Systems and Widely Linear Per-Tone Equalization. IEEE Open Journal of the Communications Society, 2021, 2, 367-383.	6.9	2
7	An integrated MVDR beamformer for speech enhancement using a local microphone array and external microphones. Eurasip Journal on Audio, Speech, and Music Processing, 2021, 2021, , .	2.1	2
8	Distributed combined acoustic echo cancellation and noise reduction using GEVD-based distributed adaptive node specific signal estimation with prior knowledge. , 2021, , .		2
9	Distributed Adaptive Acoustic Contrast Control for Node-specific Sound Zoning in a Wireless Acoustic Sensor and Actuator Network. , 2021, , .		2
10	Distributed Adaptive Signal Estimation in Wireless Sensor Networks With Partial Prior Knowledge of the Desired Sources Steering Matrix. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 478-492.	2.8	9
11	Minimal Delay Violation-Based Cross-Layer Scheduler and Resource Allocation for DSL Networks. IEEE Access, 2021, 9, 75905-75922.	4.2	1
12	Joint Beamforming and Power Allocation for Multiuser MISO Broadcast Channel SWIPT Employing OFDM. IEEE Access, 2021, 9, 165154-165172.	4.2	2
13	A comparison between overlap-save and weighted overlap-add filter banks for multi-channel Wiener filter based noise reduction. , 2021, , .		2
14	Local Uplink Processing in Cell-Free Networks: A New Approach. , 2021, , .		1
15	Distributed adaptive node-specific signal estimation in a wireless sensor network with noisy links. Signal Processing, 2020, 166, 107220.	3.7	4
16	Modified SNR Gap Approximation for Resource Allocation in LDPC-Coded Multicarrier Systems. IEEE Access, 2020, 8, 1577-1586.	4.2	2
17	MIMO Time Domain Equalizer Design for Long Reach xDSL MIMO Channel Shortening. IEEE Access, 2020, 8, 203468-203477.	4.2	1
18	Per-Tone Precoding and Per-Tone Equalization for OFDM and DMT Transmission Systems: Duality, Filter Optimization, and Resource Allocation. IEEE Open Journal of Signal Processing, 2020, 1, 257-273.	3.5	2

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19	Lattice Reduction Aided Precoding Design in Downstream G.fast DSL Networks. IEEE Access, 2020, 8, 19208-19220.	4.2	5
20	Square Root-Based Multi-Source Early PSD Estimation and Recursive RETF Update in Reverberant Environments by Means of the Orthogonal Procrustes Problem. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 755-769.	5.8	13
21	Localization Uncertainty in Time-Amplitude Stereophonic Reproduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1000-1015.	5.8	0
22	Far-End Crosstalk Mitigation for Future Wireline Networks Beyond G.fast: A Survey and an Outlook. IEEE Access, 2020, 8, 9998-10039.	4.2	6
23	Integrated Sidelobe Cancellation and Linear Prediction Kalman Filter for Joint Multi-Microphone Speech Dereverberation, Interfering Speech Cancellation, and Noise Reduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 740-754.	5.8	27
24	Joint Acoustic Localization and Dereverberation Through Plane Wave Decomposition and Sparse Regularization. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1893-1905.	5.8	7
25	Physical-Layer Multicasting Design for Downstream G.fast DSL Transmission. IEEE Access, 2019, 7, 110660-110673.	4.2	0
26	Optimal Dynamic Spectrum Management Algorithms for Multi-User Full-Duplex DSL. IEEE Access, 2019, 7, 106600-106616.	4.2	6
27	Methods of Extending a Generalized Sidelobe Canceller With External Microphones. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1349-1364.	5.8	15
28	Achievable Data Rate of DCT-Based Multicarrier Modulation Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1739-1749.	9.2	4
29	MWF-based speech dereverberation with a local microphone array and an external microphone. , 2019, , .		0
30	Intersymbol and Intercarrier Interference in OFDM Transmissions Through Highly Dispersive Channels. , 2019, , .		6
31	Integration of <i>a Priori</i> and Estimated Constraints Into an MVDR Beamformer for Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 2288-2300.	5.8	7
32	Distributed Adaptive Node-Specific Signal Estimation in a Wireless Sensor Network with Partial Prior Knowledge of the Desired Source Steering Vector. , 2019, , .		3
33	Comparative Analysis of Generalized Sidelobe Cancellation and Multi-Channel Linear Prediction for Speech Dereverberation and Noise Reduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 544-558.	5.8	10
34	α -Fair Dynamic Spectrum Management for QRD-Based Precoding With User Encoding Ordering in Downstream G.Fast Transmission. IEEE Transactions on Communications, 2019, 67, 2939-2950.	7.8	2
35	Secure Information Sharing in Adversarial Adaptive Diffusion Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 111-124.	2.8	9
36	Low-Complexity Nonlinear Zero-Forcing Precoding Under Per-Line Power Constraints for Improved Downstream G.fast Active-User Peak-Rates. IEEE Transactions on Communications, 2018, 66, 2696-2707.	7.8	1

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37	Node-Specific Diffusion LMS-Based Distributed Detection Over Adaptive Networks. IEEE Transactions on Signal Processing, 2018, 66, 682-697.	5.3	21
38	Robust Speech-Distortion Weighted Interframe Wiener Filters for Single-Channel Noise Reduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 97-107.	5.8	13
39	Subjective and Objective Sound-Quality Evaluation of Adaptive Feedback Cancellation Algorithms. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1010-1024.	5.8	12
40	Independent component analysis for cochlear implant artifacts attenuation from electrically evoked auditory steady-state response measurements. Journal of Neural Engineering, 2018, 15, 016006.	3.5	7
41	GEVD Based Speech and Noise Correlation Matrix Estimation for Multichannel Wiener Filter Based Noise Reduction. , 2018, , .		5
42	Joint Source Localization and Dereverberation by Sound Field Interpolation Using Sparse Regularization. , 2018, , .		5
43	Completing the RTF Vector for an MVDR Beamformer as Applied to a Local Microphone Array and an External Microphone. , 2018, , .		5
44	Joint Multi-Microphone Speech Dereverberation and Noise Reduction Using Integrated Sidelobe Cancellation and Linear Prediction. , 2018, , .		14
45	Generalised Sidelobe Canceller for Noise Reduction in Hearing Devices Using an External Microphone. , 2018, , .		8
46	Evaluation of a Stereo Music Preprocessing Scheme for Cochlear Implant Users. Journal of the American Academy of Audiology, 2018, 29, 035-043.	0.7	10
47	Network Utility Maximization for Adaptive Resource Allocation in DSL Systems. , 2018, , .		4
48	An Automatic Design Procedure for Low-order IIR Parametric Equalizers. AES: Journal of the Audio Engineering Society, 2018, 66, 935-952.	1.0	1
49	A Multiple-Relay Communication Protocol for Achieving Fairness in Dense Networks. IEEE Access, 2018, 6, 6740-6754.	4.2	1
50	Heterogeneous and Multitask Wireless Sensor Networksâ€™ Algorithms, Applications, and Challenges. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 450-465.	10.8	36
51	Multi-Task Wireless Sensor Network for Joint Distributed Node-Specific Signal Enhancement, LCMV Beamforming and DOA Estimation. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 518-533.	10.8	34
52	Adaptive Feedback Cancellation Using a Partitioned-Block Frequency-Domain Kalman Filter Approach With PEM-Based Signal Prewhitening. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1784-1798.	5.8	20
53	Measurement and Analysis of Feedback and Nonlinearities for the Codacs Direct Acoustic Cochlear Implant. IEEE Access, 2017, 5, 8702-8713.	4.2	3
54	Blind Sampling Rate Offset Estimation for Wireless Acoustic Sensor Networks Through Weighted Least-Squares Coherence Drift Estimation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 674-686.	5.8	30

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55	Topology-Independent Distributed Adaptive Node-Specific Signal Estimation in Wireless Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 130-144.	2.8	20
56	Characterization of cochlear implant artifacts in electrically evoked auditory steady-state responses. Biomedical Signal Processing and Control, 2017, 31, 127-138.	5.7	30
57	Real-time distributed speech enhancement with two collaborating microphone arrays. , 2017, , .		1
58	Dynamic Spectrum Management in Digital Subscriber Line Networks With Unequal Error Protection Requirements. IEEE Access, 2017, 5, 18107-18120.	4.2	6
59	Adaptive Quantization for Multichannel Wiener Filter-Based Speech Enhancement in Wireless Acoustic Sensor Networks. Wireless Communications and Mobile Computing, 2017, 2017, 1-15.	1.2	10
60	A delay-based cross-layer scheduler for adaptive DSL. , 2017, , .		3
61	Unsupervised diffusion-based LMS for node-specific parameter estimation over wireless sensor networks. , 2016, , .		20
62	Investigation of a polynomial matrix generalised EVD for multi-channel Wiener filtering. , 2016, , .		4
63	Subjective audio quality evaluation of embedded-optimization-based distortion precompensation algorithms. Journal of the Acoustical Society of America, 2016, 140, EL101-EL106.	1.1	2
64	Multi-task wireless acoustic sensor network for node-specific speech enhancement and DOA estimation. , 2016, , .		2
65	Generalized Signal Utility for LMMSE Signal Estimation With Application to Greedy Quantization in Wireless Sensor Networks. IEEE Signal Processing Letters, 2016, 23, 1202-1206.	3.6	11
66	A contingency multi-microphone noise reduction strategy based on linearly constrained Multi-channel Wiener filtering. , 2016, , .		1
67	Frequency-domain equalizers with zero restoration for zero-padded block transmission with high SNR. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	0
68	DCT-based channel estimation for single- and multicarrier communications. Signal Processing, 2016, 128, 332-339.	3.7	16
69	Auditory steady-state responses in cochlear implant users: Effect of modulation frequency and stimulation artifacts. Hearing Research, 2016, 335, 149-160.	2.0	39
70	Binaural Noise Cue Preservation in a Binaural Noise Reduction System With a Remote Microphone Signal. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 952-966.	5.8	20
71	Adaptive Time-Frequency Analysis for Noise Reduction in an Audio Filter Bank With Low Delay. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 784-795.	5.8	16
72	GEVD-Based Low-Rank Approximation for Distributed Adaptive Node-Specific Signal Estimation in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2016, 64, 2557-2572.	5.3	29

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73	A PEM-based frequency-domain Kalman filter for adaptive feedback cancellation. , 2015, , .		12
74	An all-frequency-domain adaptive filter with PEM-based decorrelation for acoustic feedback control. , 2015, , .		10
75	Energy-vs-performance trade-offs in speech enhancement in wireless acoustic sensor networks. , 2015, , .		2
76	On the Modeling of Rectangular Geometries in Room Acoustic Simulations. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 774-786.	5.8	45
77	A Stereo Music Preprocessing Scheme for Cochlear Implant Users. IEEE Transactions on Biomedical Engineering, 2015, 62, 2434-2442.	4.2	20
78	Distributed Canonical Correlation Analysis in Wireless Sensor Networks With Application to Distributed Blind Source Separation. IEEE Transactions on Signal Processing, 2015, 63, 4800-4813.	5.3	40
79	Cooperative integrated noise reduction and node-specific direction-of-arrival estimation in a fully connected wireless acoustic sensor network. Signal Processing, 2015, 107, 68-81.	3.7	38
80	Optimal distributed minimum-variance beamforming approaches for speech enhancement in wireless acoustic sensor networks. Signal Processing, 2015, 107, 4-20.	3.7	69
81	Distributed adaptive generalized eigenvector estimation of a sensor signal covariance matrix pair in a fully connected sensor network. Signal Processing, 2015, 106, 209-214.	3.7	16
82	Dynamic Spectrum Management With Spherical Coordinates. IEEE Transactions on Signal Processing, 2014, 62, 5589-5602.	5.3	2
83	A cell breathing approach in green heterogeneous networks. , 2014, , .		6
84	DMT MIMO IC rate maximization in DSL with per-transceiver power constraints. Signal Processing, 2014, 101, 87-98.	3.7	5
85	Greedy distributed node selection for node-specific signal estimation in wireless sensor networks. Signal Processing, 2014, 94, 57-73.	3.7	17
86	Dynamic Bandplanning for Vectored DSL. IEEE Transactions on Communications, 2014, 62, 302-315.	7.8	4
87	Real-Time Dynamic Spectrum Management for Multi-User Multi-Carrier Communication Systems} ewcommandargmaxoperatornamewithlimits{argmax. IEEE Transactions on Communications, 2014, 62, 1124-1137.	7.8	8
88	Iterative Convex Approximation Based Real-Time Dynamic Spectrum Management in Multi-User Multi-Carrier Communication Systems. IEEE Signal Processing Letters, 2014, 21, 535-539.	3.6	1
89	Wiener variable step size and gradient spectral variance smoothing for double-talk-robust acoustic echo cancellation and acoustic feedback cancellation. Signal Processing, 2014, 104, 1-14.	3.7	22
90	General Framework and Algorithm for Data Rate Maximization in DSL Networks. IEEE Transactions on Communications, 2014, 62, 1691-1703.	7.8	5

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91	Reduced-bandwidth Multi-channel Wiener Filter based binaural noise reduction and localization cue preservation in binaural hearing aids. <i>Signal Processing</i> , 2014, 99, 1-16.	3.7	12
92	Stable 1-Norm Error Minimization Based Linear Predictors for Speech Modeling. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2014, 22, 912-922.	5.8	14
93	Embedded-Optimization-Based Loudspeaker Precompensation Using a Hammerstein Loudspeaker Model. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2014, 22, 1648-1659.	5.8	6
94	A Frequency-Domain Adaptive Filter (FDAF) Prediction Error Method (PEM) Framework for Double-Talk-Robust Acoustic Echo Cancellation. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2014, 22, 2074-2086.	5.8	12
95	Distributed adaptive estimation of covariance matrix eigenvectors in wireless sensor networks with application to distributed PCA. <i>Signal Processing</i> , 2014, 104, 120-135.	3.7	43
96	Low-rank Approximation Based Multichannel Wiener Filter Algorithms for Noise Reduction with Application in Cochlear Implants. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2014, 22, 785-799.	5.8	102
97	Sparse approximation based resource allocation in DSL/DMT transceivers with per-tone equalization. <i>Signal Processing</i> , 2014, 95, 43-48.	3.7	3
98	Seeing the Bigger Picture: How Nodes Can Learn Their Place Within a Complex Ad Hoc Network Topology. <i>IEEE Signal Processing Magazine</i> , 2013, 30, 71-82.	5.6	53
99	Nonlinear Acoustic Echo Cancellation Based on a Sliding-Window Leaky Kernel Affine Projection Algorithm. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2013, 21, 1867-1878.	3.2	52
100	Improved prediction error filters for adaptive feedback cancellation in hearing aids. <i>Signal Processing</i> , 2013, 93, 3062-3075.	3.7	22
101	On the Use of Time-Domain Widely Linear Filtering for Binaural Speech Enhancement. <i>IEEE Signal Processing Letters</i> , 2013, 20, 649-652.	3.6	6
102	DMT MIMO IC Rate Maximization in DSL With Combined Signal and Spectrum Coordination. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 1756-1769.	5.3	8
103	Motion artifact reduction in EEG recordings using multi-channel contact impedance measurements. , 2013, , .		17
104	Declipping of Audio Signals Using Perceptual Compressed Sensing. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2013, 21, 2627-2637.	3.2	44
105	A speech distortion weighting based approach to integrated active noise control and noise reduction in hearing aids. <i>Signal Processing</i> , 2013, 93, 2440-2452.	3.7	5
106	Distributed computation of the Fiedler vector with application to topology inference in ad hoc networks. <i>Signal Processing</i> , 2013, 93, 1106-1117.	3.7	55
107	Understanding the effect of noise on electrical stimulation sequences in cochlear implants and its impact on speech intelligibility. <i>Hearing Research</i> , 2013, 299, 79-87.	2.0	35
108	Distributed LCMV Beamforming in a Wireless Sensor Network With Single-Channel Per-Node Signal Transmission. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 3447-3459.	5.3	36

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109	Rank-1 approximation based multichannel wiener filtering algorithms for noise reduction in cochlear implants. , 2013, , .		7
110	Spectrum- and Energy-Efficient OFDM Based on Simultaneous Multi-Channel Reconstruction. IEEE Transactions on Signal Processing, 2013, 61, 6047-6059.	5.3	106
111	Reduced complexity dynamic spectrum management based on a polar coordinates formulation. , 2013, , .		0
112	Real-time implementations of sparse linear prediction for speech processing. , 2013, , .		12
113	Time domain synchronous OFDM based on simultaneous multi-channel reconstruction. , 2013, , .		7
114	Intercarrier interference in DSL networks due to asynchronous DMT transmission. , 2013, , .		5
115	Speech intelligibility improvements with hearing aids using bilateral and binaural adaptive multichannel Wiener filtering based noise reduction. Journal of the Acoustical Society of America, 2012, 131, 4743-4755.	1.1	29
116	Distributed Node-Specific LCMV Beamforming in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2012, 60, 233-246.	5.3	60
117	Real-Time Perception-Based Clipping of Audio Signals Using Convex Optimization. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 2657-2671.	3.2	16
118	Tracking of a rotating object in a Wireless Sensor Network using fuzzy based adaptive IMM filter. , 2012, , .		4
119	Throughput and Delay Performance of DSL Broadband Access with Cross-Layer Dynamic Spectrum Management. IEEE Transactions on Communications, 2012, 60, 2700-2711.	7.8	6
120	Multiuser Spectrum Balancing under Inter-Carrier Interference. IEEE Communications Letters, 2012, 16, 1560-1563.	4.1	4
121	Efficient Calculation of Sensor Utility and Sensor Removal in Wireless Sensor Networks for Adaptive Signal Estimation and Beamforming. IEEE Transactions on Signal Processing, 2012, 60, 5857-5869.	5.3	31
122	Sparse approximation based resource allocation in DMT transmitters with per-tone pulse shaping. Signal Processing, 2012, 92, 2919-2930.	3.7	0
123	Joint Level 2 and 3 Dynamic Spectrum Management for Downstream DSL. IEEE Transactions on Communications, 2012, 60, 3111-3122.	7.8	17
124	Low-Complexity Distributed Total Least Squares Estimation in Ad Hoc Sensor Networks. IEEE Transactions on Signal Processing, 2012, 60, 4321-4333.	5.3	31
125	A Zone-of-Quiet Based Approach to Integrated Active Noise Control and Noise Reduction for Speech Enhancement in Hearing Aids. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1685-1697.	3.2	16
126	A combined multi-channel Wiener filter-based noise reduction and dynamic range compression in hearing aids. Signal Processing, 2012, 92, 417-426.	3.7	10

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127	MMSE-based partial crosstalk cancellation for upstream VDSL. <i>Signal Processing</i> , 2012, 92, 1602-1610.	3.7	3
128	Distributed signal estimation in sensor networks where nodes have different interests. <i>Signal Processing</i> , 2012, 92, 1679-1690.	3.7	16
129	Mad Dogs and Englishmen [From the Editors]. <i>IEEE Signal Processing Magazine</i> , 2012, 29, 4-6.	5.6	0
130	Sparse Linear Prediction and Its Applications to Speech Processing. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2012, 20, 1644-1657.	3.2	103
131	Speech Understanding Performance of Cochlear Implant Subjects Using Time-Frequency Masking-Based Noise Reduction. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 1364-1373.	4.2	24
132	A low-complexity algorithm for joint spectrum and signal coordination in upstream DSL transmission. , 2011, , .		10
133	Consensus-Based Distributed Total Least Squares Estimation in Ad Hoc Wireless Sensor Networks. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 2320-2330.	5.3	127
134	Distributed Adaptive Estimation of Node-Specific Signals in Wireless Sensor Networks With a Tree Topology. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 2196-2210.	5.3	70
135	Fifty Years of Acoustic Feedback Control: State of the Art and Future Challenges. <i>Proceedings of the IEEE</i> , 2011, 99, 288-327.	21.3	169
136	Performance Analysis of Multichannel Wiener Filter-Based Noise Reduction in Hearing Aids Under Second Order Statistics Estimation Errors. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 1368-1381.	3.2	75
137	Novel Orthogonal Codes for Spectrally-Encoded CDMA Systems in Fading Channels. <i>IEEE Transactions on Communications</i> , 2011, 59, 2562-2573.	7.8	4
138	Joint Level 2 and 3 Dynamic Spectrum Management for Upstream VDSL. <i>IEEE Transactions on Communications</i> , 2011, 59, 2851-2861.	7.8	14
139	An iterative subspace-based multi-pitch estimation algorithm. <i>Signal Processing</i> , 2011, 91, 150-154.	3.7	3
140	Decoupled compensation of IQ imbalance in MIMO OFDM systems. <i>Signal Processing</i> , 2011, 91, 1194-1209.	3.7	4
141	Output SNR analysis of integrated active noise control and noise reduction in hearing aids under a single speech source scenario. <i>Signal Processing</i> , 2011, 91, 1719-1729.	3.7	3
142	Dynamic spectrum management in DSL with asynchronous crosstalk. , 2011, , .		4
143	Lagrange Multiplier Optimization for Optimal Spectrum Balancing of DSL with Logarithmic Complexity. , 2011, , .		5
144	Diffusion Bias-Compensated RLS Estimation Over Adaptive Networks. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 5212-5224.	5.3	86

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145	Theoretical Analysis of Binaural Multimicrophone Noise Reduction Techniques. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 342-355.	3.2	106
146	Integrated Active Noise Control and Noise Reduction in Hearing Aids. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1137-1146.	3.2	25
147	A Robust and Computationally Efficient Subspace-Based Fundamental Frequency Estimator. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 487-497.	3.2	19
148	Downstream power backoff in CO/RT-deployed xDSL networks. IEEE Transactions on Communications, 2010, 58, 453-456.	7.8	1
149	Blind separation of non-negative source signals using multiplicative updates and subspace projection. Signal Processing, 2010, 90, 2877-2890.	3.7	20
150	MIMO OFDM systems with digital RF impairment compensation. Signal Processing, 2010, 90, 2965-2980.	3.7	5
151	Estimation of frame independent and enhancement components for speech communication over packet networks. , 2010, , .		1
152	Enhancing sparsity in linear prediction of speech by iteratively reweighted 1-norm minimization. , 2010, , .		14
153	Evaluation of feedback reduction techniques in hearing aids based on physical performance measures. Journal of the Acoustical Society of America, 2010, 128, 1245-1261.	1.1	33
154	Analytical Expressions for the Power Spectral Density of CP-OFDM and ZP-OFDM Signals. IEEE Signal Processing Letters, 2010, 17, 371-374.	3.6	63
155	Improved Dual Decomposition Based Optimization for DSL Dynamic Spectrum Management. IEEE Transactions on Signal Processing, 2010, 58, 2230-2245.	5.3	40
156	Distributed Adaptive Node-Specific Signal Estimation in Fully Connected Sensor Networksâ€”Part I: Sequential Node Updating. IEEE Transactions on Signal Processing, 2010, 58, 5277-5291.	5.3	137
157	Distributed Adaptive Node-Specific Signal Estimation in Fully Connected Sensor Networksâ€”Part II: Simultaneous and Asynchronous Node Updating. IEEE Transactions on Signal Processing, 2010, 58, 5292-5306.	5.3	70
158	Retrieving Sparse Patterns Using a Compressed Sensing Framework: Applications to Speech Coding Based on Sparse Linear Prediction. IEEE Signal Processing Letters, 2010, 17, 103-106.	3.6	56
159	Fair greening for DSL broadband access. Performance Evaluation Review, 2010, 37, 74-78.	0.6	7
160	Efficient calculation of the MMSE-GDFE decoding order in non-ideal DSL multiple-access channels. , 2010, , .		5
161	Amplification of interaural level differences improves sound localization in acoustic simulations of bimodal hearing. Journal of the Acoustical Society of America, 2009, 126, 3209-3213.	1.1	14
162	Speech enhancement with multichannel Wiener filter techniques in multimicrophone binaural hearing aids. Journal of the Acoustical Society of America, 2009, 125, 360-371.	1.1	106

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163	Joint estimation of short-term and long-term predictors in speech coders. , 2009, , .		13
164	Re-estimation of linear predictive parameters in sparse linear prediction. , 2009, , .		2
165	A Procedural Framework for Auditory Steady-State Response Detection. IEEE Transactions on Biomedical Engineering, 2009, 56, 1098-1107.	4.2	4
166	Reed-solomon codes implementing a coded single-carrier with cyclic prefix scheme. IEEE Transactions on Communications, 2009, 57, 1031-1038.	7.8	6
167	Full vectoring optimal power allocation in xDSL channels under per-modem power constraints and spectral mask constraints. IEEE Transactions on Communications, 2009, 57, 194-202.	7.8	7
168	Introduction to the Issue on DSP Techiques for RF/Analog Circuit Impairments. IEEE Journal on Selected Topics in Signal Processing, 2009, 3, 345-347.	10.8	2
169	MLSE and MAP Equalization for Transmission Over Doubly Selective Channels. IEEE Transactions on Vehicular Technology, 2009, 58, 4120-4128.	6.3	74
170	Adaptive feedback cancellation for audio applications. Signal Processing, 2009, 89, 2185-2201.	3.7	31
171	Efficient computation of symbol statistics from bit a priori information in turbo receivers. IEEE Transactions on Communications, 2009, 57, 1889-1891.	7.8	2
172	Optimal Power Allocation for Downstream xDSL With Per-Modem Total Power Constraints: Broadcast Channel Optimal Spectrum Balancing (BC-OSB). IEEE Transactions on Signal Processing, 2009, 57, 690-697.	5.3	18
173	Robust implementation of the MUSIC algorithm. , 2009, , .		6
174	Efficient Compensation of RF Impairments for OFDM Systems. , 2009, , .		10
175	Comparison of frequency domain noise reduction strategies based on multichannel Wiener filtering and spatial prediction. , 2009, , .		13
176	Sub-band implementation of the Harmonic MUSIC algorithm. , 2009, , .		1
177	A Detection Guided Normalized Least-Mean-Squares Adaptive Partial Crosstalk Canceller for Multi-User DSL Environments. IEEE Signal Processing Letters, 2009, 16, 489-492.	3.6	5
178	Optimal electrode selection for multi-channel electroencephalogram based detection of auditory steady-state responses. Journal of the Acoustical Society of America, 2009, 126, 254-268.	1.1	17
179	Robust Distributed Noise Reduction in Hearing Aids with External Acoustic Sensor Nodes. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.7	63
180	A flexible research platform for multi-channel auditory steady-state response measurements. Journal of Neuroscience Methods, 2008, 169, 239-248.	2.5	13

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181	Shifted Known Symbol Padding for Efficient Data Communication in a WLAN Context. <i>Wireless Personal Communications</i> , 2008, 44, 415-422.	2.7	1
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