

Wing-Kin

List of Publications by Year in descending order

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201
papers

12,117
citations

76326

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91
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201
all docs

201
docs citations

201
times ranked

6841
citing authors

#	ARTICLE	IF	CITATIONS
1	Semidefinite Relaxation of Quadratic Optimization Problems. IEEE Signal Processing Magazine, 2010, 27, 20-34.	5.6	2,486
2	The Gaussian Mixture Probability Hypothesis Density Filter. IEEE Transactions on Signal Processing, 2006, 54, 4091-4104.	5.3	1,422
3	Outage Constrained Robust Transmit Optimization for Multiuser MISO Downlinks: Tractable Approximations by Conic Optimization. IEEE Transactions on Signal Processing, 2014, 62, 5690-5705.	5.3	507
4	Least Squares Algorithms for Time-of-Arrival-Based Mobile Location. IEEE Transactions on Signal Processing, 2004, 52, 1121-1128.	5.3	439
5	A Convex Analysis-Based Minimum-Volume Enclosing Simplex Algorithm for Hyperspectral Unmixing. IEEE Transactions on Signal Processing, 2009, 57, 4418-4432.	5.3	382
6	A Signal Processing Perspective on Hyperspectral Unmixing: Insights from Remote Sensing. IEEE Signal Processing Magazine, 2014, 31, 67-81.	5.6	362
7	QoS-Based Transmit Beamforming in the Presence of Eavesdroppers: An Optimized Artificial-Noise-Aided Approach. IEEE Transactions on Signal Processing, 2011, 59, 1202-1216.	5.3	339
8	Quasi-maximum-likelihood multiuser detection using semi-definite relaxation with application to synchronous CDMA. IEEE Transactions on Signal Processing, 2002, 50, 912-922.	5.3	286
9	Spatially Selective Artificial-Noise Aided Transmit Optimization for MISO Multi-Eves Secrecy Rate Maximization. IEEE Transactions on Signal Processing, 2013, 61, 2704-2717.	5.3	257
10	DOA Estimation of Quasi-Stationary Signals With Less Sensors Than Sources and Unknown Spatial Noise Covariance: A Khatri-Rao Subspace Approach. IEEE Transactions on Signal Processing, 2010, 58, 2168-2180.	5.3	234
11	Cooperative Secure Beamforming for AF Relay Networks With Multiple Eavesdroppers. IEEE Signal Processing Letters, 2013, 20, 35-38.	3.6	209
12	Optimal and Robust Transmit Designs for MISO Channel Secrecy by Semidefinite Programming. IEEE Transactions on Signal Processing, 2011, 59, 3799-3812.	5.3	205
13	A Constrained Least Squares Approach to Mobile Positioning: Algorithms and Optimality. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.7	204
14	Robust Cooperative Beamforming and Artificial Noise Design for Physical-Layer Secrecy in AF Multi-Antenna Multi-Relay Networks. IEEE Transactions on Signal Processing, 2015, 63, 206-220.	5.3	180
15	A Simplex Volume Maximization Framework for Hyperspectral Endmember Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4177-4193.	6.3	178
16	Nonnegative Matrix Factorization for Signal and Data Analytics: Identifiability, Algorithms, and Applications. IEEE Signal Processing Magazine, 2019, 36, 59-80.	5.6	173
17	Transmit Solutions for MIMO Wiretap Channels using Alternating Optimization. IEEE Journal on Selected Areas in Communications, 2013, 31, 1714-1727.	14.0	172
18	Tracking an unknown time-varying number of speakers using TDOA measurements: a random finite set approach. IEEE Transactions on Signal Processing, 2006, 54, 3291-3304.	5.3	160

#	ARTICLE	IF	CITATIONS
19	A Gaussian Mixture PHD Filter for Jump Markov System Models. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 919-936.	4.7	155
20	Semi-Definite Programming Algorithms for Sensor Network Node Localization With Uncertainties in Anchor Positions and/or Propagation Speed. IEEE Transactions on Signal Processing, 2009, 57, 752-763.	5.3	146
21	Hyperspectral Super-Resolution: A Coupled Tensor Factorization Approach. IEEE Transactions on Signal Processing, 2018, 66, 6503-6517.	5.3	141
22	Physical-Layer Multicasting by Stochastic Transmit Beamforming and Alamouti Space-Time Coding. IEEE Transactions on Signal Processing, 2013, 61, 4230-4245.	5.3	130
23	Optimal Linear Fusion for Distributed Detection Via Semidefinite Programming. IEEE Transactions on Signal Processing, 2010, 58, 2431-2436.	5.3	121
24	A Convex Analysis Framework for Blind Separation of Non-Negative Sources. IEEE Transactions on Signal Processing, 2008, 56, 5120-5134.	5.3	106
25	Optimum Performance Boundaries of OSTBC Based AF-MIMO Relay System With Energy Harvesting Receiver. IEEE Transactions on Signal Processing, 2013, 61, 4199-4213.	5.3	105
26	Semidefinite Relaxation Based Multiuser Detection for M -Ary PSK Multiuser Systems. IEEE Transactions on Signal Processing, 2004, 52, 2862-2872.	5.3	90
27	A non-negative sparse promoting algorithm for high resolution hyperspectral imaging. , 2013, , .		90
28	Blind Separation of Quasi-Stationary Sources: Exploiting Convex Geometry in Covariance Domain. IEEE Transactions on Signal Processing, 2015, 63, 2306-2320.	5.3	90
29	Blind ML detection of orthogonal space-time block codes: efficient high-performance implementations. IEEE Transactions on Signal Processing, 2006, 54, 738-751.	5.3	88
30	Robust Multicast Beamforming for Spectrum Sharing-Based Cognitive Radios. IEEE Transactions on Signal Processing, 2012, 60, 527-533.	5.3	86
31	Accurate approximation algorithm for TOA-based maximum likelihood mobile location using semidefinite programming. , 0, , .		77
32	Robust Volume Minimization-Based Matrix Factorization for Remote Sensing and Document Clustering. IEEE Transactions on Signal Processing, 2016, 64, 6254-6268.	5.3	77
33	Identifiability of the Simplex Volume Minimization Criterion for Blind Hyperspectral Unmixing: The No-Pure-Pixel Case. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5530-5546.	6.3	76
34	Semiblind Hyperspectral Unmixing in the Presence of Spectral Library Mismatches. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5171-5184.	6.3	75
35	Chance-Constrained Robust Minimum-Volume Enclosing Simplex Algorithm for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4194-4209.	6.3	71
36	Constant Envelope Precoding for Single-User Large-Scale MISO Channels: Efficient Precoding and Optimal Designs. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 982-995.	10.8	71

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37	A Framework for One-Bit and Constant-Envelope Precoding Over Multiuser Massive MISO Channels. IEEE Transactions on Signal Processing, 2019, 67, 5309-5324.	5.3	66
38	DOA estimation of quasi-stationary signals via Khatri-Rao subspace. , 2009, , .		64
39	Probabilistic SINR constrained robust transmit beamforming: A Bernstein-type inequality based conservative approach. , 2011, , .		62
40	Self-Dictionary Sparse Regression for Hyperspectral Unmixing: Greedy Pursuit and Pure Pixel Search Are Related. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1128-1141.	10.8	56
41	A closed-form solution for the probability hypothesis density filter. , 2005, , .		53
42	Joint Tensor Factorization and Outlying Slab Suppression With Applications. IEEE Transactions on Signal Processing, 2015, 63, 6315-6328.	5.3	47
43	Sum Secrecy Rate Maximization for Full-Duplex Two-Way Relay Networks Using Alamouti-Based Rank-Two Beamforming. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1359-1374.	10.8	47
44	The Equivalence of Semidefinite Relaxation MIMO Detectors for Higher-Order QAM. IEEE Journal on Selected Topics in Signal Processing, 2009, 3, 1038-1052.	10.8	46
45	Blind ML Detection of Orthogonal Space-Time Block Codes: Identifiability and Code Construction. IEEE Transactions on Signal Processing, 2007, 55, 3312-3324.	5.3	43
46	Received signal strength based mobile positioning via constrained weighted least squares. , 0, , .		40
47	An Effective Distributed Space-Time Code for Two-Path Successive Relay Network. IEEE Transactions on Communications, 2011, 59, 2254-2263.	7.8	40
48	A Safe Approximation Approach to Secrecy Outage Design for MIMO Wiretap Channels. IEEE Signal Processing Letters, 2014, 21, 118-121.	3.6	40
49	Two Simplified Recursive Gaussâ€“Newton Algorithms for Direct Amplitude and Phase Tracking of a Real Sinusoid. IEEE Signal Processing Letters, 2007, 14, 972-975.	3.6	39
50	Maximum <i>A Posteriori</i> Approach to Time-of-Arrival-Based Localization in Non-Line-of-Sight Environment. IEEE Transactions on Vehicular Technology, 2010, 59, 1517-1523.	6.3	37
51	Maximum-Likelihood Detection of Orthogonal Space-Time Block Coded OFDM in Unknown Block Fading Channels. IEEE Transactions on Signal Processing, 2008, 56, 1637-1649.	5.3	36
52	A Novel Subspace Approach for Cooperative Localization in Wireless Sensor Networks Using Range Measurements. IEEE Transactions on Signal Processing, 2009, 57, 260-269.	5.3	34
53	Maximum Volume Inscribed Ellipsoid: A New Simplex-Structured Matrix Factorization Framework via Facet Enumeration and Convex Optimization. SIAM Journal on Imaging Sciences, 2018, 11, 1651-1679.	2.2	34
54	Safe convex approximation to outage-based MISO secrecy rate optimization under imperfect CSI and with artificial noise. , 2011, , .		33

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55	Rank-two transmit beamformed Alamouti space-time coding for physical-layer multicasting. , 2012, , .		33
56	A fast recursive-least-squares adaptive notch filter and its applications to biomedical signals. Medical and Biological Engineering and Computing, 1999, 37, 99-103.	2.8	32
57	Multicast Secrecy Rate Maximization for MISO Channels with Multiple Multi-Antenna Eavesdroppers. , 2011, , .		29
58	Convex analysis based minimum-volume enclosing simplex algorithm for hyperspectral unmixing. , 2009, , .		28
59	Deep Mimo Detection Using ADMM Unfolding. , 2019, , .		28
60	A Study on Particle Filters for Single-Tone Frequency Tracking. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 1111-1125.	4.7	27
61	MIMO Detection by Lagrangian Dual Maximum-Likelihood Relaxation: Reinterpreting Regularized Lattice Decoding. IEEE Transactions on Signal Processing, 2014, 62, 511-524.	5.3	27
62	One-Bit Sigma-Delta MIMO Precoding. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1046-1061.	10.8	27
63	Robust Affine Set Fitting and Fast Simplex Volume Max-Min for Hyperspectral Endmember Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 3982-3997.	6.3	26
64	Spectral Variability Aware Blind Hyperspectral Image Unmixing Based on Convex Geometry. IEEE Transactions on Image Processing, 2020, 29, 4568-4582.	9.8	24
65	Joint transmit beamforming and artificial noise design for QoS discrimination in wireless downlink. , 2010, , .		23
66	A Factor Analysis Framework for Power Spectra Separation and Multiple Emitter Localization. IEEE Transactions on Signal Processing, 2015, 63, 6581-6594.	5.3	23
67	One-Bit Massive Mimo Precoding via a Minimum Symbol-Error Probability Design. , 2018, , .		23
68	Worst-case robust multiuser transmit beamforming using semidefinite relaxation: duality and implications. , 2011, , .		22
69	A flexible semi-definite programming approach for source localization problems. , 2013, 23, 601-609.		22
70	Optimal joint cooperative beamforming and artificial noise design for secrecy rate maximization in AF relay networks. , 2013, , .		22
71	Closed Form PHD Filtering for Linear Jump Markov Models. , 2006, , .		21
72	A Linear Fractional Semidefinite Relaxation Approach to Maximum-Likelihood Detection of Higher-Order QAM OSTBC in Unknown Channels. IEEE Transactions on Signal Processing, 2010, 58, 2315-2326.	5.3	21

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73	Cheap semidefinite relaxation MIMO detection using row-by-row block coordinate descent. , 2011, , .		21
74	Distributionally robust chance-constrained transmit beamforming for multiuser MISO downlink. , 2014, , .		21
75	Robust artificial noise-aided transmit optimization for achieving secrecy and energy harvesting. , 2014, , .		21
76	Power Spectra Separation via Structured Matrix Factorization. IEEE Transactions on Signal Processing, 2016, 64, 4592-4605.	5.3	21
77	Binary MIMO Detection via Homotopy Optimization and Its Deep Adaptation. IEEE Transactions on Signal Processing, 2021, 69, 781-796.	5.3	21
78	Blind maximum-likelihood decoding for orthogonal space-time block codes: a semidefinite relaxation approach. , 0, , .		20
79	Understanding Notions of Stationarity in Nonsmooth Optimization: A Guided Tour of Various Constructions of Subdifferential for Nonsmooth Functions. IEEE Signal Processing Magazine, 2020, 37, 18-31.	5.6	20
80	A decentralized method for joint admission control and beamforming in coordinated multicell downlink. , 2012, , .		18
81	Robust transmit designs for an energy harvesting multicast system. , 2014, , .		18
82	Hyperspectral Super-Resolution Via Coupled Tensor Factorization: Identifiability and Algorithms. , 2018, , .		18
83	Signal and Image Processing in Hyperspectral Remote Sensing [From the Guest Editors]. IEEE Signal Processing Magazine, 2014, 31, 22-23.	5.6	17
84	Low-Complexity Robust MISO Downlink Precoder Design Under Imperfect CSI. IEEE Transactions on Signal Processing, 2016, 64, 3237-3249.	5.3	17
85	A discrete first-order method for large-scale MIMO detection with provable guarantees. , 2017, , .		17
86	Minimum Symbol-Error Probability Symbol-Level Precoding With Intelligent Reflecting Surface. IEEE Wireless Communications Letters, 2020, 9, 1601-1605.	5.0	17
87	Hyperspectral Super-Resolution via Globalâ€œLocal Low-Rank Matrix Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7125-7140.	6.3	17
88	A robust artificial noise aided transmit design for MISO secrecy. , 2011, , .		16
89	A Stochastic Beamformed Amplify-and-Forward Scheme in a Multigroup Multicast MIMO Relay Network with Per-Antenna Power Constraints. IEEE Transactions on Wireless Communications, 2016, , 1-1.	9.2	16
90	Unraveling the Rank-One Solution Mystery of Robust MISO Downlink Transmit Optimization: A Verifiable Sufficient Condition via a New Duality Result. IEEE Transactions on Signal Processing, 2017, 65, 1909-1924.	5.3	16

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91	Multi-group multicast beamforming in cognitive radio networks via rank-two transmit beamformed Alamouti space-time coding. , 2013, , .		15
92	Robustness Analysis of Structured Matrix Factorization via Self-Dictionary Mixed-Norm Optimization. IEEE Signal Processing Letters, 2016, 23, 60-64.	3.6	14
93	Hyperspectral Super-Resolution: Combining Low Rank Tensor and Matrix Structure. , 2018, , .		14
94	A Block Alternating Likelihood Maximization Approach to Multiuser Detection. IEEE Transactions on Signal Processing, 2004, 52, 2600-2611.	5.3	13
95	A Khatri-Rao subspace approach to blind identification of mixtures of quasi-stationary sources. Signal Processing, 2013, 93, 3515-3527.	3.7	12
96	MIMO directional modulation M-QAM precoding for transceivers performance enhancement. , 2017, , .		12
97	Detection of random signals via spectrum matching. IEEE Transactions on Aerospace and Electronic Systems, 2002, 38, 301-307.	4.7	11
98	Symbol-Level Precoding is Symbol-Perturbed when Energy Efficiency is Sought. , 2018, , .		11
99	Minimum Symbol Error Rate-Based Constant Envelope Precoding for Multiuser Massive MISO Downlink. , 2018, , .		11
100	Multicast transmit beamforming using a randomize-in-time strategy. , 2011, , .		10
101	A simple way to approximate average robust multiuser MISO transmit optimization under covariance-based CSIT. , 2017, , .		10
102	Symbol-Level Precoding Through the Lens of Zero Forcing and Vector Perturbation. IEEE Transactions on Signal Processing, 2022, 70, 1687-1703.	5.3	10
103	Semi-definite programming approach to sensor network node localization with anchor position uncertainty. , 2009, , .		9
104	Optimal linear fusion for distributed spectrum sensing via semidefinite programming. , 2009, , .		9
105	Blind spectra separation and direction finding for cognitive radio using temporal correlation-domain ESPRIT. , 2014, , .		9
106	Enhancing Pure-Pixel Identification Performance via Preconditioning. SIAM Journal on Imaging Sciences, 2015, 8, 1161-1186.	2.2	9
107	Estimation of distortion product otoacoustic emissions. IEEE Transactions on Biomedical Engineering, 1999, 46, 1261-1264.	4.2	8
108	Tracking multiple speakers using random sets. , 0, , .		8

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109	Joint detection and tracking of multiple maneuvering targets in clutter using random finite sets. , 0, , .		8
110	Hyperspectral unmixing from a convex analysis and optimization perspective. , 2009, , .		8
111	Signal Detection in a Space-Frequency Coded Cooperative Communication System With Multiple Carrier Frequency Offsets by Exploiting Specific Properties of the Code Structure. IEEE Transactions on Vehicular Technology, 2009, 58, 3396-3409.	6.3	8
112	Convex Optimization in Signal Processing [From the Guest Editors. IEEE Signal Processing Magazine, 2010, 27, 19-145.	5.6	8
113	Fast algorithms for robust hyperspectral endmember extraction based on worst-case simplex volume maximization. , 2012, , .		8
114	Tensor-based power spectra separation and emitter localization for cognitive radio. , 2014, , .		8
115	Spatial peak power minimization for relaxed phase M-PSK MIMO directional modulation transmitter. , 2017, , .		8
116	MULTIUSER ONE-BIT MASSIVE MIMO PRECODING UNDER MPSK SIGNALING. , 2018, , .		8
117	Hybrid Inexact BCD for Coupled Structured Matrix Factorization in Hyperspectral Super-Resolution. IEEE Transactions on Signal Processing, 2020, 68, 1728-1743.	5.3	7
118	Blind symbol identifiability of orthogonal space-time block codes. , 0, , .		6
119	A Novel Subspace Approach for Wireless Sensor Network Positioning with Range Measurements. , 2007, , .		6
120	Some results on 16-QAM MIMO detection using semidefinite relaxation. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	6
121	A robust minimum volume enclosing simplex algorithm for hyperspectral unmixing. , 2010, , .		6
122	Distributed Space-Time Coding for Two-Path Successive Relaying. , 2010, , .		6
123	A simple closed-form solution for overdetermined blind separation of locally sparse quasi-stationary sources. , 2012, , .		6
124	Guest Editorial: Signal Processing for Wireless Physical Layer Security}. IEEE Journal on Selected Areas in Communications, 2013, 31, 1657-1659.	14.0	6
125	A beamformed alamouti amplify-and-forward scheme in multigroup multicast cloud-relay networks. , 2015, , .		6
126	Rank-Two Beamforming and Stochastic Beamforming for MISO Physical-Layer Multicasting with Finite-Alphabet Inputs. IEEE Signal Processing Letters, 2015, 22, 1614-1618.	3.6	6

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127	Discrete Sum Rate Maximization for MISO Interference Broadcast Channels: Convex Approximations and Efficient Algorithms. IEEE Transactions on Signal Processing, 2016, 64, 4323-4336.	5.3	6
128	A stochastic maximum-likelihood framework for simplex structured matrix factorization. , 2017, , .		6
129	Joint transmit beamforming optimization and uplink/downlink user selection in a full-duplex multi-user MIMO system. , 2017, , .		6
130	Crosstalk Resilient Interference Cancellation in Microphone Arrays Using Capon Beamforming. IEEE Transactions on Speech and Audio Processing, 2004, 12, 468-477.	1.5	5
131	Reducing the Average Complexity of ML Detection using Semidefinite Relaxation. , 0, , .		5
132	A Block-by-Block Blind Post-FFT Multistage Beamforming Algorithm for Multiuser OFDM Systems Based on Subcarrier Averaging. IEEE Transactions on Wireless Communications, 2008, 7, 3238-3251.	9.2	5
133	Secrecy rate maximization of a miso channel with multiple multi-antenna eavesdroppers via semidefinite programming. , 2010, , .		5
134	A complex-valued semidefinite relaxation approach for two-dimensional source localization using distance measurements and imperfect receiver positions. , 2012, , .		5
135	Noncoherent OSTBC-OFDM for MIMO and Cooperative Communications: Perfect Channel Identifiability and Achievable Diversity Order. IEEE Transactions on Signal Processing, 2012, 60, 4849-4863.	5.3	5
136	Hi, Bcd! Hybrid Inexact Block Coordinate Descent for Hyperspectral Super-Resolution. , 2018, , .		5
137	Full-Duplex Secure Relay Beamforming Design for Systems With Perfect and Partial CSI. IEEE Transactions on Vehicular Technology, 2019, 68, 5570-5584.	6.3	5
138	Maximum likelihood detection for multicarrier systems employing non-orthogonal pulse shapes. , 0, , .		4
139	Efficient quasi-maximum-likelihood multiuser detection by semi-definite relaxation. , 0, , .		4
140	On the number of pilots for OFDM system in multipath fading channels. , 0, , .		4
141	On Implementing the Blind ML Receiver for Orthogonal Space-Time Block Codes. , 0, , .		4
142	Localizing an Unknown Time-varying Number of Speakers: A Bayesian Random Finite Set Approach. , 0, , .		4
143	Semiblind ML OSTBC-OFDM Detection in Block Fading Channels. , 2007, , .		4
144	A block-by-block blind post-fft beamforming algorithm for multiuser OFDM systems based on subcarrier averaging. , 2007, , .		4

#	ARTICLE	IF	CITATIONS
145	Full diversity under multiple carrier frequency offsets of a family of space-frequency codes. , 2009, , .		4
146	Optimization Techniques in Wireless Communications. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	4
147	Optimal transmission strategy for outage rate maximization in MISO fading channels with training. , 2012, , .		4
148	Noncoherent Bit-Interleaved Coded OSTBC-OFDM with Maximum Spatial-Frequency Diversity. IEEE Transactions on Wireless Communications, 2012, 11, 3335-3347.	9.2	4
149	A convex approximation method for multiuser MISO sum rate maximization under discrete rate constraints. , 2013, , .		4
150	Antenna subset selection optimization for large-scale MISO constant envelope precoding. , 2014, , .		4
151	Stochastic amplify-and-forward schemes for multigroup multicast transmission in a distributed relay network. , 2015, , .		4
152	Low-complexity robust MISO downlink precoder optimization for the limited feedback case. , 2015, , .		4
153	Robust volume minimization-based matrix factorization via alternating optimization. , 2016, , .		4
154	A new low-rank solution result for a semidefinite program problem subclass with applications to transmit beamforming optimization. , 2016, , .		4
155	Semidefinite Relaxation and Approximation Analysis of a Beamformed Alamouti Scheme for Relay Beamforming Networks. IEEE Transactions on Signal Processing, 2017, 65, 2428-2443.	5.3	4
156	Secrecy rate maximization in full-duplex multi-antenna decode-and-forward relay systems. , 2017, , .		4
157	Nonconvex Optimization for Signal Processing and Machine Learning [From the Guest Editors]. IEEE Signal Processing Magazine, 2020, 37, 15-17.	5.6	4
158	Probabilistic Simplex Component Analysis. IEEE Transactions on Signal Processing, 2022, 70, 582-599.	5.3	4
159	On computing Verdu's upper bound for a class of maximum-likelihood multiuser detection and sequence detection problems. IEEE Transactions on Information Theory, 2001, 47, 3049-3053.	2.4	3
160	Asymptotic minimum bit error rate property of maximum-likelihood multiuser detection. IEEE Communications Letters, 2003, 7, 425-427.	4.1	3
161	Extended Differential Unitary Space-Time Modulation: A Non-Coherent Scheme with Error Penalty Less Than 3DB. , 0, , .		3
162	A Lagrangian dual relaxation approach to ML MIMO detection: Reinterpreting regularized lattice decoding. , 2011, , .		3

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163	Blind separation of convolutive mixtures of speech sources: Exploiting local sparsity. , 2013, , .		3
164	Stochastic ML Simplex-structured Matrix Factorization under the Dirichlet Mixture Model. , 2019, , .		3
165	Robust Downlink Transmit Optimization Under Quantized Channel Feedback via the Strong Duality for QCQP. IEEE Signal Processing Letters, 2021, 28, 1-5.	3.6	3
166	Optimum estimation and detection of distortion product otoacoustic emissions in white Gaussian noise. , 0, , .		2
167	Detection of narrowband random signals via spectrum matching. , 0, , .		2
168	A subcarrier average based block-by-block blind channel estimation algorithm for multi-user OFDM systems. , 2007, , .		2
169	A Linear Fractional Semidefinite Relaxed ML Approach to Blind Detection of 16-QAM Orthogonal Space-Time Block Codes. , 2008, , .		2
170	On perfect channel identifiability of semiblind ML detection of orthogonal space-time block coded OFDM. , 2009, , .		2
171	Blind identification of mixtures of quasi-stationary sources using a khatri-rao subspace approach. , 2011, , .		2
172	An optimization perspective on winter's endmember extraction belief. , 2011, , .		2
173	Signal region characterization and exact phase recovery for constant envelope precoding in single-user large-scale MISO channels. , 2013, , .		2
174	A robust subspace method for semiblind dictionary-aided hyperspectral unmixing. , 2014, , .		2
175	Discrete Constant Envelope Transceiver Design for Multiuser Massive MIMO Downlink. , 2019, , .		2
176	An Admm Algorithm for Peak Transmission Energy Minimization in Symbol-level Precoding. , 2019, , .		2
177	A Partial Relaxation DOA Estimator Based on Orthogonal Matching Pursuit. , 2020, , .		2
178	On Four Suboptimal Quadratic Detectors for Random Signals. IEICE Transactions on Communications, 2005, E88-B, 4527-4533.	0.7	2
179	An efficient quasi-maximum-likelihood multiuser detector using semi-definite relaxation. , 0, , .		1
180	A Convex Analysis Based Criterion for Blind Separation of Non-Negative Sources. , 2007, , .		1

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181	A Blind Post-FFT User-by-user Beamforming Algorithm for Multiuser OFDM Systems. , 2007, , .		1
182	Nonintersecting Subspace OSTBCs for Blind ML Detection. , 2007, , .		1
183	Blind maximum-likelihood detection for decode-and-forward randomized distributed OSTBC. , 2009, , .		1
184	Robust secondary multicast transmit beamforming for cognitive radio networks under imperfect channel state information. , 2011, , .		1
185	A Convex Low-Rank Regularization Method for Hyperspectral Super-Resolution. , 2018, , .		1
186	Multiuser Massive MIMO Downlink Precoding Using Second-Order Spatial Sigma-Delta Modulation. , 2020, , .		1
187	Divide and Conquer: One-bit MIMO-OFDM Detection by Inexact Expectation Maximization. , 2021, , .		1
188	Robust Probabilistic Simplex Component Analysis. , 2021, , .		1
189	Stochastic ML Estimation for Hyperspectral Unmixing Under Endmember Variability and Nonlinear Models. , 2020, , .		1
190	Robust interference suppression and blind speech beamforming in room reverberant environments. , 0, , .		0
191	Adaptive filtering for distortion product otoacoustic emissions. , 0, , .		0
192	Efficient relaxed maximum-likelihood MPSK multiuser detection using semidefinite programming. , 0, , .		0
193	Blind separation of non-negative sources by convex analysis: Effective method using linear programming. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
194	Fast alternating volume maximization algorithm for blind separation of non-negative sources. , 2011, , .		0
195	Achieving full cooperative and frequency diversity in bit-interleaved coded two-way relay networks. , 2013, , .		0
196	Robust semi-definite relaxation MIMO detection in a non-gaussian channel. , 2013, , .		0
197	When can the minimum volume enclosing simplex identify the endmembers correctly when there is no pure pixel?. , 2015, , .		0
198	WMMSE-based multiuser MIMO beamforming: A practice-oriented design and LTE system performance evaluation. , 2015, , .		0

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199	Spatial Sigma-Delta Modulation for the Massive MIMO Downlink. , 2019, , .		0
200	Editorial A (Belated) Message From the New EiC. IEEE Transactions on Signal Processing, 2021, 69, 4888-4889.	5.3	0
201	Multuser detection for asynchronous CDMA using block coordinate ascent and semi-definite relaxation. , 2002, , .		0