

List of Publications by Year
in descending order

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314
papers

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316
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316
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316
times ranked

5444
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust adaptive beamforming using worst-case performance optimization: a solution to the signal mismatch problem. IEEE Transactions on Signal Processing, 2003, 51, 313-324.	5.3	1,208
2	Phased-MIMO Radar: A Tradeoff Between Phased-Array and MIMO Radars. IEEE Transactions on Signal Processing, 2010, 58, 3137-3151.	5.3	353
3	Toward Millimeter-Wave Joint Radar Communications: A Signal Processing Perspective. IEEE Signal Processing Magazine, 2019, 36, 100-114.	5.6	283
4	Robust Adaptive Beamforming Based on Steering Vector Estimation With as Little as Possible Prior Information. IEEE Transactions on Signal Processing, 2012, 60, 2974-2987.	5.3	236
5	Principles of minimum variance robust adaptive beamforming design. Signal Processing, 2013, 93, 3264-3277.	3.7	229
6	Transmit Energy Focusing for DOA Estimation in MIMO Radar With Colocated Antennas. IEEE Transactions on Signal Processing, 2011, 59, 2669-2682.	5.3	225
7	Spectrum Sharing in Wireless Networks via QoS-Aware Secondary Multicast Beamforming. IEEE Transactions on Signal Processing, 2009, 57, 2323-2335.	5.3	182
8	Collaborative beamforming for wireless sensor networks with Gaussian distributed sensor nodes. IEEE Transactions on Wireless Communications, 2009, 8, 638-643.	9.2	174
9	Robust Adaptive Beamforming Using Sequential Quadratic Programming: An Iterative Solution to the Mismatch Problem. IEEE Signal Processing Letters, 2008, 15, 733-736.	3.6	171
10	Blind noise reduction for multisensory signals using ICA and subspace filtering, with application to EEG analysis. Biological Cybernetics, 2002, 86, 293-303.	1.3	143
11	Power allocation in wireless multi-user relay networks. IEEE Transactions on Wireless Communications, 2009, 8, 2535-2545.	9.2	136
12	Adaptive Beamforming With Joint Robustness Against Mismatched Signal Steering Vector and Interference Nonstationarity. IEEE Signal Processing Letters, 2004, 11, 108-111.	3.6	127
13	On the Relationship Between Robust Minimum Variance Beamformers With Probabilistic and Worst-Case Distortionless Response Constraints. IEEE Transactions on Signal Processing, 2008, 56, 5719-5724.	5.3	117
14	Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape. Journal of Hydrology, 2018, 556, 279-293.	5.4	116
15	Robust iterative fitting of multilinear models. IEEE Transactions on Signal Processing, 2005, 53, 2678-2689.	5.3	108
16	Efficient Transmit Beamforming Design for Search-Free Based DOA Estimation in MIMO Radar. IEEE Transactions on Signal Processing, 2014, 62, 1490-1500.	5.3	107
17	Adaptive Virtual Waveform Design for Millimeter-Wave Joint Communication-Radar. IEEE Transactions on Signal Processing, 2020, 68, 715-730.	5.3	105
18	Fast Algorithms for Designing Unimodular Waveform(s) With Good Correlation Properties. IEEE Transactions on Signal Processing, 2018, 66, 1197-1212.	5.3	104

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19	Multicentre validation of a microRNA-based assay for diagnosing indeterminate thyroid nodules utilising fine needle aspirate smears. Journal of Clinical Pathology, 2017, 70, 500-507.	2.0	103
20	Optimal Bandwidth and Power Allocation for Sum Ergodic Capacity Under Fading Channels in Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2011, 59, 1814-1826.	5.3	95
21	Maximum likelihood direction-of-arrival estimation in unknown noise fields using sparse sensor arrays. IEEE Transactions on Signal Processing, 2005, 53, 34-43.	5.3	87
22	Aggregate Interference Modeling in Cognitive Radio Networks with Power and Contention Control. IEEE Transactions on Communications, 2012, 60, 456-468.	7.8	83
23	Permafrost coverage, watershed area and season control of dissolved carbon and major elements in western Siberian rivers. Biogeosciences, 2015, 12, 6301-6320.	3.3	78
24	Moving Target Parameters Estimation in Noncoherent MIMO Radar Systems. IEEE Transactions on Signal Processing, 2012, 60, 2354-2361.	5.3	77
25	Robust linear receivers for multiaccess space-time block-coded MIMO systems: a probabilistically constrained approach. IEEE Journal on Selected Areas in Communications, 2006, 24, 1560-1570.	14.0	76
26	A combinatorial strongly subexponential strategy improvement algorithm for mean payoff games. Discrete Applied Mathematics, 2007, 155, 210-229.	0.9	75
27	Seasonal dynamics of organic carbon and metals in thermokarst lakes from the discontinuous permafrost zone of western Siberia. Biogeosciences, 2015, 12, 3009-3028.	3.3	75
28	Superimposed Pilots Are Superior for Mitigating Pilot Contamination in Massive MIMO. IEEE Transactions on Signal Processing, 2017, 65, 2917-2932.	5.3	75
29	Permutation Meets Parallel Compressed Sensing: How to Relax Restricted Isometry Property for 2D Sparse Signals. IEEE Transactions on Signal Processing, 2014, 62, 196-210.	5.3	71
30	Trace element transport in western Siberian rivers across a permafrost gradient. Biogeosciences, 2016, 13, 1877-1900.	3.3	69
31	Subspace Leakage Analysis and Improved DOA Estimation With Small Sample Size. IEEE Transactions on Signal Processing, 2015, 63, 3251-3265.	5.3	67
32	Optimal Relay Selection for Secure Cooperative Communications With an Adaptive Eavesdropper. IEEE Transactions on Wireless Communications, 2017, 16, 26-42.	9.2	67
33	Cognitive radio networks. IEEE Vehicular Technology Magazine, 2009, 4, 76-84.	3.4	64
34	Sum-Rate Maximization in Two-Way AF MIMO Relaying: Polynomial Time Solutions to a Class of DC Programming Problems. IEEE Transactions on Signal Processing, 2012, 60, 5478-5493.	5.3	64
35	Impact of western Siberia heat wave 2012 on greenhouse gases and trace metal concentration in thaw lakes of discontinuous permafrost zone. Biogeosciences, 2013, 10, 5349-5365.	3.3	60
36	Western Siberia wetlands as indicator and regulator of climate change on the global scale. International Journal of Environmental Studies, 2009, 66, 409-421.	1.6	59

#	ARTICLE	IF	CITATIONS
37	Dissolved organic carbon and major and trace elements in peat porewater of sporadic, discontinuous, and continuous permafrost zones of western Siberia. Biogeosciences, 2017, 14, 3561-3584.	3.3	58
38	Blind spatial signature estimation via time-varying user power loading and parallel factor analysis. IEEE Transactions on Signal Processing, 2005, 53, 1697-1710.	5.3	57
39	Joint Bandwidth and Power Allocation With Admission Control in Wireless Multi-User Networks With and Without Relaying. IEEE Transactions on Signal Processing, 2011, 59, 1801-1813.	5.3	57
40	Permafrost thaw and climate warming may decrease the CO ₂ , carbon, and metal concentration in peat soil waters of the Western Siberia Lowland. Science of the Total Environment, 2018, 634, 1004-1023.	8.0	57
41	Transmit/receive beamforming for MIMO radar with colocated antennas. , 2009, , .		56
42	Abrupt permafrost collapse enhances organic carbon, CO ₂ , nutrient and metal release into surface waters. Chemical Geology, 2017, 471, 153-165.	3.3	55
43	New Designs on MVDR Robust Adaptive Beamforming Based on Optimal Steering Vector Estimation. IEEE Transactions on Signal Processing, 2019, 67, 3624-3638.	5.3	55
44	Reweighted l ₁ -norm penalized LMS for sparse channel estimation and its analysis. Signal Processing, 2014, 104, 70-79.	3.7	54
45	Inter-shell resonances in the interactions of electrons and polyatomic molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 1975-1977.	1.5	53
46	Sidelobe Control in Collaborative Beamforming via Node Selection. IEEE Transactions on Signal Processing, 2010, 58, 6168-6180.	5.3	52
47	Carbon emission from Western Siberian inland waters. Nature Communications, 2021, 12, 825.	12.8	50
48	Sparse channel estimation with $l_{p\text{-}q}$ -norm and reweighted l_1 -norm penalized least mean squares. , 2011, , .		48
49	Ambiguity Function of the Transmit Beam-space-Based MIMO Radar. IEEE Transactions on Signal Processing, 2015, 63, 4445-4457.	5.3	48
50	Impact of Permafrost Thaw and Climate Warming on Riverine Export Fluxes of Carbon, Nutrients and Metals in Western Siberia. Water (Switzerland), 2020, 12, 1817.	2.7	47
51	Covariance Matrix Estimation for Massive MIMO. IEEE Signal Processing Letters, 2018, 25, 546-550.	3.6	46
52	Segmented Compressed Sampling for Analog-to-Information Conversion: Method and Performance Analysis. IEEE Transactions on Signal Processing, 2011, 59, 554-572.	5.3	43
53	Transmit Array Interpolation for DOA Estimation via Tensor Decomposition in 2-D MIMO Radar. IEEE Transactions on Signal Processing, 2017, 65, 5225-5239.	5.3	41
54	Adaptive OFDM Techniques With One-Bit-Per-Subcarrier Channel-State Feedback. IEEE Transactions on Communications, 2006, 54, 1993-2003.	7.8	40

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55	Resonance electron attachment and long-lived negative ions of phthalimide and pyromellitic diimide. Journal of Chemical Physics, 2011, 135, 184301.	3.0	40
56	Tensor Decompositions in Wireless Communications and MIMO Radar. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 438-453.	10.8	40
57	Downlink Performance of Superimposed Pilots in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 6630-6644.	9.2	39
58	Formation of surface gradient structural-phase states under electron-beam treatment of stainless steel. Journal of Surface Investigation, 2011, 5, 974-978.	0.5	38
59	Robust Adaptive Beamforming for General-Rank Signal Model With Positive Semi-Definite Constraint via POTDC. IEEE Transactions on Signal Processing, 2013, 61, 6103-6117.	5.3	37
60	Image Fusion With Cospase Analysis Operator. IEEE Signal Processing Letters, 2017, 24, 943-947.	3.6	37
61	Impact of snow deposition on major and trace element concentrations and elementary fluxes in surface waters of the Western Siberian Lowland across a 1700 km latitudinal gradient. Hydrology and Earth System Sciences, 2017, 21, 5725-5746.	4.9	37
62	Electron attachment to some naphthoquinone derivatives: long-lived molecular anion formation. Rapid Communications in Mass Spectrometry, 2014, 28, 1580-1590.	1.5	36
63	Major and trace elements in suspended matter of western Siberian rivers: First assessment across permafrost zones and landscape parameters of watersheds. Geochimica Et Cosmochimica Acta, 2020, 269, 429-450.	3.9	36
64	Memoryless determinacy of parity and mean payoff games: a simple proof. Theoretical Computer Science, 2004, 310, 365-378.	0.9	34
65	A Robust Adaptive Dimension Reduction Technique With Application to Array Processing. IEEE Signal Processing Letters, 2009, 16, 22-25.	3.6	34
66	Electron affinity evaluation for nitrobenzene derivatives using negative ion lifetime data. Rapid Communications in Mass Spectrometry, 2015, 29, 910-912.	1.5	33
67	Multicyclic fatigue of stainless steel treated by a high-intensity electron beam: surface layer structure. Russian Physics Journal, 2011, 54, 575-583.	0.4	31
68	Transmit Radiation Pattern Invariance in MIMO Radar With Application to DOA Estimation. IEEE Signal Processing Letters, 2015, 22, 1609-1613.	3.6	31
69	Worst-Case Jamming on MIMO Gaussian Channels. IEEE Transactions on Signal Processing, 2015, 63, 5821-5836.	5.3	31
70	Non-Iterative Subspace-Based DOA Estimation in the Presence of Nonuniform Noise. IEEE Signal Processing Letters, 2019, 26, 848-852.	3.6	30
71	Bacteria primarily metabolize at the active layer/permafrost border in the peat core from a permafrost region in western Siberia. Polar Biology, 2017, 40, 1645-1659.	1.2	29
72	Permafrost Boundary Shift in Western Siberia May Not Modify Dissolved Nutrient Concentrations in Rivers. Water (Switzerland), 2017, 9, 985.	2.7	28

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73	Combinatorial structure and randomized subexponential algorithms for infinite games. Theoretical Computer Science, 2005, 349, 347-360.	0.9	27
74	Robust adaptive beamforming using probability-constrained optimization. , 2005, , .		27
75	Power Allocation and Admission Control in Multiuser Relay Networks via Convex Programming: Centralized and Distributed Schemes. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	27
76	Network Lifetime Maximization With Node Admission in Wireless Multimedia Sensor Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 3640-3646.	6.3	27
77	Transmit antenna selection based strategies in MISO communication systems with low-rate channel state feedback. IEEE Transactions on Wireless Communications, 2009, 8, 1660-1666.	9.2	26
78	Joint DOD and DOA Estimation in Slow-Time MIMO Radar via PARAFAC Decomposition. IEEE Signal Processing Letters, 2020, 27, 1495-1499.	3.6	26
79	Precoder Design for Space-Time Coded Systems Over Correlated Rayleigh Fading Channels Using Convex Optimization. IEEE Transactions on Signal Processing, 2009, 57, 814-819.	5.3	25
80	Increase in the fatigue durability of stainless steel by electron-beam surface treatment. Journal of Surface Investigation, 2013, 7, 94-98.	0.5	25
81	Dispersed ground ice of permafrost peatlands: Potential unaccounted carbon, nutrient and metal sources. Chemosphere, 2021, 266, 128953.	8.2	25
82	Complexity of nonrecursive logic programs with complex values. , 1998, , .		24
83	Origin of elemental carbon in snow from western Siberia and northwestern European Russia during winterâ€“spring 2014, 2015 and 2016. Atmospheric Chemistry and Physics, 2018, 18, 963-977.	4.9	24
84	Blockchain-Based Supply Chain for Postage Stamps. Informatics, 2018, 5, 42.	3.9	24
85	Multiexponential decay of negative molecular ions as a result of target molecule distribution over vibrational states. Technical Physics, 2009, 54, 1255-1262.	0.7	23
86	Two-dimensional transmit beamforming for MIMO radar with sparse symmetric arrays. , 2013, , .		23
87	MIMO radar capability on powerful jammers suppression. , 2014, , .		23
88	Biogeochemistry of dissolved carbon, major, and trace elements during spring flood periods on the <sc>O</sc>b <sc>R</sc>iver. Hydrological Processes, 2019, 33, 1579-1594.	2.6	23
89	Linear block precoding for OFDM systems based on maximization of mean cutoff rate. IEEE Transactions on Signal Processing, 2005, 53, 4691-4696.	5.3	22
90	Sum rate maximization for multi-pair two-way relaying with single-antenna amplify and forward relays. , 2012, , .		22

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91	Joint Robust Transmit/Receive Adaptive Beamforming for MIMO Radar Using Probability-Constrained Optimization. IEEE Signal Processing Letters, 2016, 23, 112-116.	3.6	22
92	Insoluble Particles in the Snowpack of the Ob River Basin (Western Siberia) a 2800 km Submeridional Profile. Atmosphere, 2020, 11, 1184.	2.3	22
93	Spatial and Seasonal Variations of C, Nutrient, and Metal Concentration in Thermokarst Lakes of Western Siberia Across a Permafrost Gradient. Water (Switzerland), 2020, 12, 1830.	2.7	22
94	Molecular anion formation in 9,10-anthraquinone: Dependence of the electron detachment rate on temperature and incident electron energy. Journal of Chemical Physics, 2010, 132, 244313.	3.0	21
95	Interference mitigation for cognitive radio MIMO systems based on practical precoding. Physical Communication, 2013, 9, 308-315.	2.1	21
96	Biogeochemistry of macrophytes, sediments and porewaters in thermokarst lakes of permafrost peatlands, western Siberia. Science of the Total Environment, 2021, 763, 144201.	8.0	21
97	Interference Modeling for Cognitive Radio Networks with Power or Contention Control. , 2010, , .		20
98	Cooperative Resource Allocation Games Under Spectral Mask and Total Power Constraints. IEEE Transactions on Signal Processing, 2010, 58, 4379-4395.	5.3	20
99	Robust adaptive beamforming via estimating steering vector based on semidefinite relaxation. , 2010, , .		20
100	Flood zone biogeochemistry of the Ob River middle course. Applied Geochemistry, 2015, 63, 133-145.	3.0	20
101	Secure Communications in Underlay Cognitive Radio Networks: User Scheduling and Performance Analysis. IEEE Communications Letters, 2016, 20, 1191-1194.	4.1	20
102	Sum-Rate Maximization With Minimum Power Consumption for MIMO DF Two-Way Relaying Part I: Relay Optimization. IEEE Transactions on Signal Processing, 2013, 61, 3563-3577.	5.3	19
103	An Accelerated Composite Gradient Method for Large-Scale Composite Objective Problems. IEEE Transactions on Signal Processing, 2019, 67, 444-459.	5.3	19
104	Fluvial carbon dioxide emission from the Lena River basin during the spring flood. Biogeosciences, 2021, 18, 4919-4936.	3.3	19
105	Direction finding for MIMO radar with colocated antennas using transmit beamspace preprocessing. , 2009, , .		18
106	Superimposed pilots: An alternative pilot structure to mitigate pilot contamination in massive MIMO. , 2016, , .		18
107	The role of Eurasian beaver (Castor fiber) in the storage, emission and deposition of carbon in lakes and rivers of the River Ob flood plain, western Siberia. Science of the Total Environment, 2018, 644, 1371-1379.	8.0	18
108	Inline cartridge extraction for rapid brain tumor tissue identification by molecular profiling. Scientific Reports, 2019, 9, 18960.	3.3	18

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109	Evolution of Structure in AlCoCrFeNi High-Entropy Alloy Irradiated by a Pulsed Electron Beam. Metals, 2021, 11, 1228.	2.3	18
110	On the Relationship between the Worst-Case Optimization-Based and Probability-Constrained Approaches to Robust Adaptive Beamforming. , 2007, , .		17
111	Centralized and Distributed Power Allocation in Multi-User Wireless Relay Networks. , 2009, , .		17
112	4-Bromobiphenyl: Long-lived molecular anion formation and competition between electron detachment and dissociation. Journal of Chemical Physics, 2019, 150, 114304.	3.0	17
113	Performance characteristics of collaborative beamforming for wireless sensor networks with Gaussian distributed sensor nodes. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	16
114	Cooperative Wireless Multicast: Performance Analysis and Time Allocation. IEEE Transactions on Vehicular Technology, 2016, 65, 5810-5819.	6.3	16
115	A Generalized Accelerated Composite Gradient Method: Uniting Nesterov's Fast Gradient Method and FISTA. IEEE Transactions on Signal Processing, 2020, 68, 3033-3048.	5.3	16
116	Graph Signal Processing Meets Blind Source Separation. IEEE Transactions on Signal Processing, 2021, 69, 2585-2599.	5.3	16
117	Game Theoretic Solutions for Precoding Strategies over the Interference Channel. , 2008, , .		15
118	Transmit beamspace design for direction finding in colocated MIMO radar with arbitrary receive array. , 2011, , .		15
119	Power Allocation Based on SEP Minimization in Two-Hop Decode-and-Forward Relay Networks. IEEE Transactions on Signal Processing, 2011, 59, 3954-3963.	5.3	15
120	Fatigue failure of stainless steel after electron-beam treatment. Steel in Translation, 2012, 42, 486-488.	0.3	15
121	Secrecy rate maximization for MIMO Gaussian wiretap channels with multiple eavesdroppers via alternating matrix POTDC. , 2014, , .		15
122	Thermokarst lakes of Western Siberia: a complex biogeochemical multidisciplinary approach. International Journal of Environmental Studies, 2014, 71, 733-748.	1.6	15
123	Cram��r�� Rao Bound for Sparse Signals Fitting the Low-Rank Model with Small Number of Parameters. IEEE Signal Processing Letters, 2015, 22, 1497-1501.	3.6	15
124	Seasonal dynamics of phytoplankton in acidic and humic environment in thaw ponds of discontinuous permafrost zone. Annales De Limnologie, 2016, 52, 47-60.	0.6	15
125	Hyper Radial Basis Function Neural Networks for Interference Cancellation with Nonlinear Processing of Reference Signal. , 2001, 11, 204-221.		14
126	Cyclic games and linear programming. Discrete Applied Mathematics, 2008, 156, 2195-2231.	0.9	14

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127	Sum-Rate Maximization With Minimum Power Consumption for MIMO DF Two-Way Relaying” Part II: Network Optimization. IEEE Transactions on Signal Processing, 2013, 61, 3578-3591.	5.3	14
128	Node selection for sidelobe control in collaborative beamforming for wireless sensor networks. , 2009, , .		13
129	Internal conversion as the main stabilization mechanism for long-lived negative molecular ions. Technical Physics, 2014, 59, 1277-1285.	0.7	13
130	Electron attachment to the phthalide molecule. Journal of Chemical Physics, 2015, 142, 174308.	3.0	13
131	Design of multiple unimodular waveforms with low auto- and cross-correlations for radar via majorization-minimization. , 2016, , .		13
132	New estimation methods for autoregressive process in the presence of white observation noise. Signal Processing, 2020, 171, 107480.	3.7	13
133	Mass spectrometry of resonance capture of electrons and photo-electron spectroscopy of molecules of ethylene oxide, ethylene sulfide, and their derivatives. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1989, 38, 1388-1394.	0.0	11
134	On the fatigue strength of grade 20Cr13 hardened steel modified by an electron beam. Journal of Surface Investigation, 2013, 7, 90-93.	0.5	11
135	Root-MUSIC based source localization using transmit array interpolation in MIMO radar with arbitrary planar arrays. , 2013, , .		11
136	A robust FISTA-like algorithm. , 2017, , .		11
137	Power Control for Wireless Cellular Systems via D.C. Programming. , 2007, , .		10
138	Improvements in the procedure for measuring the average lifetime of negative ions on a static mass spectrometer. Instruments and Experimental Techniques, 2009, 52, 560-564.	0.5	10
139	Robust beamforming for jammers suppression in MIMO radar. , 2014, , .		10
140	An Axially Variant Kernel Imaging Model Applied to Ultrasound Image Reconstruction. IEEE Signal Processing Letters, 2018, 25, 961-965.	3.6	10
141	Joint Detection and Localization of an Unknown Number of Sources Using the Algebraic Structure of the Noise Subspace. IEEE Transactions on Signal Processing, 2018, 66, 4685-4700.	5.3	10
142	Blockchain-Based Solution to Prevent Postage Stamps Fraud. , 2019, , .		10
143	Sizable carbon emission from the floodplain of Ob River. Ecological Indicators, 2021, 131, 108164.	6.3	10
144	Beampattern random behavior in wireless sensor networks with Gaussian distributed sensor nodes. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	9

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145	Nash Bargaining over MIMO Interference Systems. , 2009, , .		9
146	Estimating the parameters of a moving target in MIMO radar with widely separated antennas. , 2010, , .		9
147	Joint transmit array interpolation and transmit beamforming for source localization in MIMO radar with arbitrary arrays. , 2013, , .		9
148	Partially adaptive transmit beamforming for search free 2D DOA estimation in MIMO radar. , 2015, , .		9
149	Virtual Pulse Design for IEEE 802.11AD-Based Joint Communication-Radar. , 2018, , .		9
150	An Inner SOCP Approximate Algorithm for Robust Adaptive Beamforming for General-Rank Signal Model. IEEE Signal Processing Letters, 2018, , 1-1.	3.6	9
151	Correlation between biological activity and energies of electronic transitions in benzodiazepines. negative ion mass spectrometry study of br-substituted derivatives. Rapid Communications in Mass Spectrometry, 1998, 12, 1839-1844.	1.5	8
152	Subspace-based direction finding using transmit energy focusing in MIMO radar with colocated antennas. , 2011, , .		8
153	Power Allocation Strategies across N Orthogonal Channels at Both Source and Relay. IEEE Transactions on Communications, 2012, 60, 1469-1473.	7.8	8
154	Iterative root-MUSIC algorithm for DOA estimation. , 2013, , .		8
155	Efficient single/multiple unimodular waveform design with low weighted correlations. , 2017, , .		8
156	Blind Source Separation of Graph Signals. , 2020, , .		8
157	Quadratic Matrix Inequality Approach to Robust Adaptive Beamforming for General-Rank Signal Model. IEEE Transactions on Signal Processing, 2020, 68, 2244-2255.	5.3	8
158	Low Mutual Coupling Sparse Array Design Using ULA Fitting. , 2021, , .		8
159	Generation of increased mechanical properties of Cantor high-entropy alloy. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 599-605.	0.3	8
160	Evaluation of the performance of biosphere compatible city functions in modern residential areas. Journal of Applied Engineering Science, 2017, 15, 447-454.	0.9	8
161	Robust Multi-Antenna Broadcasting with Imperfect Channel State Information. , 2007, , .		7
162	Joint bandwidth and power allocation in wireless multi-user decode-and-forward relay networks. , 2010, , .		7

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163	Pareto Region Characterization for Rate Control in MIMO Interference Systems and Nash Bargaining. IEEE Transactions on Automatic Control, 2012, 57, 3203-3208.	5.7	7
164	Two-stage based design for phased-MIMO radar with improved coherent transmit processing gain. , 2014, , .		7
165	Generalized ambiguity function for the MIMO radar with correlated waveforms. , 2014, , .		7
166	An array processing approach to pilot decontamination for massive MIMO. , 2015, , .		7
167	Oxygen isotope and deuterium composition of snow cover on the profile of Western Siberia from Tomsk to the Gulf of Ob. Doklady Earth Sciences, 2016, 471, 1284-1287.	0.7	7
168	Multi-focus image fusion via coupled dictionary training. , 2016, , .		7
169	Model of Operation of Motor Vehicles Based on Monitoring of their Performance Characteristics. Transportation Research Procedia, 2017, 20, 695-701.	1.5	7
170	Dissociative electron attachment to some spinochromes: Fragment anion formation. International Journal of Mass Spectrometry, 2017, 412, 26-37.	1.5	7
171	Reasoning and learning in a digital economy. Technological challenges of the modern age. IOP Conference Series: Materials Science and Engineering, 2019, 497, 012038.	0.6	7
172	Image Fusion using Joint Sparse Representations and Coupled Dictionary Learning. , 2020, , .		7
173	Ways of the dislocation substructure evolution in austenite steel under low and multicycle fatigue. Procedia Engineering, 2010, 2, 83-90.	1.2	6
174	Gradient structural phase states formed in steel 08Kh18N10T in the course of high-cycle fatigue to failure. Physics of Metals and Metallography, 2011, 112, 81-89.	1.0	6
175	Euclidean and Spaceâ€“Time Block Codes: Relationship, Optimality, Performance Analysis Revisited. IEEE Transactions on Communications, 2015, 63, 2912-2923.	7.8	6
176	Increase in fatigue life of steels by electron-beam processing. Journal of Surface Investigation, 2016, 10, 83-87.	0.5	6
177	Graph Error Effect in Graph Signal Processing. , 2018, , .		6
178	A Combined Waveform-Beamforming Design for Millimeter-Wave Joint Communication-Radar. , 2019, , .		6
179	Quenching of singlet oxygen by phenols. Russian Chemical Bulletin, 1993, 42, 2045-2047.	1.5	5
180	Probability-Constrained Approach to Estimation of Random Gaussian Parameters. , 0, , .		5

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181	Game theory for precoding in a multi-user system: Bargaining for overall benefits. , 2009, , .		5
182	Segmented compressed sampling for analog-to-information conversion. , 2009, , .		5
183	Power control for collaborative beamforming in wireless sensor networks. , 2011, , .		5
184	A computationally efficient robust adaptive beamforming for general-rank signal model with positive semi-definite constraint. , 2011, , .		5
185	Joint bandwidth and power allocation in cognitive radio networks under fading channels. , 2011, , .		5
186	Subspace leakage analysis of sample data covariance matrix. , 2015, , .		5
187	Permutation enhanced parallel reconstruction for compressive sampling. , 2015, , .		5
188	Multi-label classification of brain tumor mass spectrometry data In pursuit of tumor boundary detection method. , 2017, , .		5
189	Advances in DOA Estimation and Source Localization. International Journal of Antennas and Propagation, 2017, 2017, 1-3.	1.2	5
190	Restoration of Ultrasound Images Using Spatially-Variant Kernel Deconvolution. , 2018, , .		5
191	Fragmentation of chlorpyrifos by thermal electron attachment: a likely relation to its metabolism and toxicity. Physical Chemistry Chemical Physics, 2018, 20, 22272-22283.	2.8	5
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