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List of Publications by Year in descending order

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314
papers

8,812
citations

50170

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all docs

316
docs citations

316
times ranked

5444
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersed ground ice of permafrost peatlands: Potential unaccounted carbon, nutrient and metal sources. Chemosphere, 2021, 266, 128953.	4.2	25
2	Joint Design of Radar Transmit Waveform and Mismatched Filter with Low Sidelobes. , 2021, , .		2
3	Graph Signal Processing Meets Blind Source Separation. IEEE Transactions on Signal Processing, 2021, 69, 2585-2599.	3.2	16
4	Tensor Decomposition Based DOA Estimation for Transmit BeamSpace MIMO Radar. , 2021, , .		0
5	Carbon emission from Western Siberian inland waters. Nature Communications, 2021, 12, 825.	5.8	50
6	Introduction to the Special Issue on Tensor Decomposition for Signal Processing and Machine Learning. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 433-437.	7.3	0
7	New opportunities for preoperative diagnosis of anaplastic thyroid cancer. Opuholi Golovy I Sei, 2021, 11, 34-40.	0.1	2
8	Tensor Decompositions in Wireless Communications and MIMO Radar. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 438-453.	7.3	40
9	Biogeochemistry of macrophytes, sediments and porewaters in thermokarst lakes of permafrost peatlands, western Siberia. Science of the Total Environment, 2021, 763, 144201.	3.9	21
10	Low Mutual Coupling Sparse Array Design Using ULA Fitting. , 2021, , .		8
11	Constrained Tensor Decomposition for 2d DOA Estimation In Transmit BeamSpace Mimo Radar with Subarrays. , 2021, , .		4
12	Enhanced Standard Esprit For Overcoming Imperfections In DOA Estimation. , 2021, , .		2
13	Testing Landscape, Climate and Lithology Impact on Carbon, Major and Trace Elements of the Lena River and Its Tributaries during a Spring Flood Period. Water (Switzerland), 2021, 13, 2093.	1.2	5
14	Evolution of Structure in AlCoCrFeNi High-Entropy Alloy Irradiated by a Pulsed Electron Beam. Metals, 2021, 11, 1228.	1.0	18
15	Generation of increased mechanical properties of Cantor high-entropy alloy. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 599-605.	0.1	8
16	Fluvial carbon dioxide emission from the Lena River basin during the spring flood. Biogeosciences, 2021, 18, 4919-4936.	1.3	19
17	Efficient joint transmit waveform and receive filter design based on a general $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ -norm metric for sidelobe level of pulse compression. Signal Processing. 2021, 188, 108174.	2.1	5
18	Sizable carbon emission from the floodplain of Ob River. Ecological Indicators, 2021, 131, 108164.	2.6	10

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19	Modelling and studying the effect of graph errors in graph signal processing. Signal Processing, 2021, 189, 108256.	2.1	4
20	Impact of Pilot Overhead and Channel Estimation on the Performance of Massive MIMO. IEEE Transactions on Communications, 2021, 69, 8242-8255.	4.9	2
21	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.	1.6	36
22	Adaptive Virtual Waveform Design for Millimeter-Wave Joint Communication&radar. IEEE Transactions on Signal Processing, 2020, 68, 715-730.	3.2	105
23	Data-Adaptive Similarity Measures for B-mode Ultrasound Images Using Robust Noise Models. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 1244-1254.	7.3	1
24	Insoluble Particles in the Snowpack of the Ob River Basin (Western Siberia) a 2800 km Submeridional Profile. Atmosphere, 2020, 11, 1184.	1.0	22
25	A Complexity Efficient DMT-Optimal Tree Pruning Based Sphere Decoding. , 2020, , .		0
26	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.	1.2	22
27	Joint DOD and DOA Estimation in Slow-Time MIMO Radar via PARAFAC Decomposition. IEEE Signal Processing Letters, 2020, 27, 1495-1499.	2.1	26
28	Blind Source Separation of Graph Signals. , 2020, , .		8
29	Image Fusion using Joint Sparse Representations and Coupled Dictionary Learning. , 2020, , .		7
30	Impact of Permafrost Thaw and Climate Warming on Riverine Export Fluxes of Carbon, Nutrients and Metals in Western Siberia. Water (Switzerland), 2020, 12, 1817.	1.2	47
31	New estimation methods for autoregressive process in the presence of white observation noise. Signal Processing, 2020, 171, 107480.	2.1	13
32	A Generalized Accelerated Composite Gradient Method: Uniting Nesterov's Fast Gradient Method and FISTA. IEEE Transactions on Signal Processing, 2020, 68, 3033-3048.	3.2	16
33	Quadratic Matrix Inequality Approach to Robust Adaptive Beamforming for General-Rank Signal Model. IEEE Transactions on Signal Processing, 2020, 68, 2244-2255.	3.2	8
34	Lossless Dimension Reduction for Integer Least Squares With Application to Sphere Decoding. IEEE Transactions on Signal Processing, 2020, 68, 6547-6561.	3.2	1
35	Robust Registration of Multi-modal Medical Images Using Huber’s Criterion. , 2020, , .		0
36	Contribution of floodplain lakes to the global carbon cycle. IOP Conference Series: Earth and Environmental Science, 2019, 232, 012011.	0.2	0

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37	The Impact of Vehicle Emissions on the Rate of Asymmetry of Urban Spaces on the Territory of Urban Districts. IOP Conference Series: Earth and Environmental Science, 2019, 224, 012040.	0.2	1
38	A New Quadratic Matrix Inequality Approach to Robust Adaptive Beamforming for General-rank Signal Model. , 2019, , .		2
39	Toward Millimeter-Wave Joint Radar Communications: A Signal Processing Perspective. IEEE Signal Processing Magazine, 2019, 36, 100-114.	4.6	283
40	4-Bromobiphenyl: Long-lived molecular anion formation and competition between electron detachment and dissociation. Journal of Chemical Physics, 2019, 150, 114304.	1.2	17
41	New Designs on MVDR Robust Adaptive Beamforming Based on Optimal Steering Vector Estimation. IEEE Transactions on Signal Processing, 2019, 67, 3624-3638.	3.2	55
42	Robust Least Mean Squares Estimation of Graph Signals. , 2019, , .		2
43	Carbon and nutrients in the Yenisei River tributaries draining the Western Siberia Peatlands. IOP Conference Series: Earth and Environmental Science, 2019, 232, 012010.	0.2	2
44	On Achievable Rates for Massive MIMO System with Imperfect Channel Covariance Information. , 2019, , .		1
45	Non-Iterative Subspace-Based DOA Estimation in the Presence of Nonuniform Noise. IEEE Signal Processing Letters, 2019, 26, 848-852.	2.1	30
46	Mvdr Robust Adaptive Beamforming Design with Direction of Arrival and Generalized Similarity Constraints. , 2019, , .		5
47	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.	1.1	23
48	Changes in the palsa landscapesâ€™ components in the West Siberian northern taiga 10 years after wildfires. IOP Conference Series: Earth and Environmental Science, 2019, 232, 012021.	0.2	1
49	Peat deposits and peat-forming plants in the mires of the West Siberian northern taiga (based on) Tj ETQq1 1 0.784314 rgBT /Overlo 012018.	0.2	2
50	Remote monitoring system of the Ob River. IOP Conference Series: Earth and Environmental Science, 2019, 232, 012019.	0.2	0
51	The determination of the integral biosphere compatibility indicator of urban areas by bioindicationâ€™s methods. IOP Conference Series: Materials Science and Engineering, 2019, 698, 077055.	0.3	0
52	Worst-Case SINR Maximization Based Robust Adaptive Beamforming Problem with a Nonconvex Uncertainty Set. , 2019, , .		2
53	Blockchain-Based Solution to Prevent Postage Stamps Fraud. , 2019, , .		10
54	ML-based Motion Estimation in Ultrasound Images Using Heavy-tailed Noise Distributions. , 2019, , .		0

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55	Algebraic Geometry Based Design for Generalized Sidelobe Canceler. , 2019, , .		0
56	Non-iterative Subspace-based Method for Estimating AR Model Parameters in the Presence of White Noise with Unknown Variance. , 2019, , .		1
57	A Combined Waveform-Beamforming Design for Millimeter-Wave Joint Communication-Radar. , 2019, , .		6
58	Organic matter of floodplain lakes in the middle courses of the Ob River during the winter low-water season and the spring flood. IOP Conference Series: Earth and Environmental Science, 2019, 400, 012007.	0.2	0
59	Reasoning and learning in a digital economy. Technological challenges of the modern age. IOP Conference Series: Materials Science and Engineering, 2019, 497, 012038.	0.3	7
60	Inline cartridge extraction for rapid brain tumor tissue identification by molecular profiling. Scientific Reports, 2019, 9, 18960.	1.6	18
61	An Accelerated Composite Gradient Method for Large-Scale Composite Objective Problems. IEEE Transactions on Signal Processing, 2019, 67, 444-459.	3.2	19
62	MALT lymphoma and erosive and ulcerative lesions of the stomach: modern diagnostic approaches and own clinical observation. Oncogematologiya, 2019, 14, 23-37.	0.1	2
63	Complex study of the environment by radiophysical and optical methods on the example of the âœKaybasovoâ€•test plot. , 2019, , .		1
64	Fractional Reservation Based Mempool Processing in Blockchains. , 2019, , .		2
65	Permafrost thaw and climate warming may decrease the CO2, carbon, and metal concentration in peat soil waters of the Western Siberia Lowland. Science of the Total Environment, 2018, 634, 1004-1023.	3.9	57
66	Russianâ€•EU collaboration via the mega-transect approach for large-scale projects: cases of RF Federal target Programme and SIWA JPI Climate EU Programme. International Journal of Environmental Studies, 2018, 75, 385-394.	0.7	4
67	Fast Algorithms for Designing Unimodular Waveform(s) With Good Correlation Properties. IEEE Transactions on Signal Processing, 2018, 66, 1197-1212.	3.2	104
68	Covariance Matrix Estimation for Massive MIMO. IEEE Signal Processing Letters, 2018, 25, 546-550.	2.1	46
69	An Axially Variant Kernel Imaging Model Applied to Ultrasound Image Reconstruction. IEEE Signal Processing Letters, 2018, 25, 961-965.	2.1	10
70	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.	1.9	24
71	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.	2.3	116
72	Features of measuring dynamic biochemical parameters in the middle Ob. IOP Conference Series: Earth and Environmental Science, 2018, 201, 012017.	0.2	1

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73	Virtual Pulse Design for IEEE 802.11AD-Based Joint Communication-Radar. , 2018, , .		9
74	Use of the method of biosphere compatibility for the assessment of environmental protection methods. IOP Conference Series: Earth and Environmental Science, 2018, 115, 012003.	0.2	1
75	Blockchain-Based Supply Chain for Postage Stamps. Informatics, 2018, 5, 42.	2.4	24
76	Computationally Efficient Waveform Design in Spectrally Dense Environment. , 2018, , .		3
77	Graph Error Effect in Graph Signal Processing. , 2018, , .		6
78	Restoration of Ultrasound Images Using Spatially-Variant Kernel Deconvolution. , 2018, , .		5
79	Low-Overhead Receiver-Side Channel Tracking for Mmwave Mimo. , 2018, , .		2
80	Joint Space-(Slow) Time Transmission with Unimodular Waveforms and Receive Adaptive Filter Design for Radar. , 2018, , .		4
81	An Inner SOCP Approximate Algorithm for Robust Adaptive Beamforming for General-Rank Signal Model. IEEE Signal Processing Letters, 2018, , 1-1.	2.1	9
82	Fragmentation of chlorpyrifos by thermal electron attachment: a likely relation to its metabolism and toxicity. Physical Chemistry Chemical Physics, 2018, 20, 22272-22283.	1.3	5
83	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.	3.9	18
84	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.	3.2	10
85	Downlink Performance of Superimposed Pilots in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 6630-6644.	6.1	39
86	Finite-length and asymptotic analysis of averaged correlogram for undersampled data. Applied and Computational Harmonic Analysis, 2017, 43, 404-423.	1.1	3
87	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.	1.0	103
88	Superimposed Pilots Are Superior for Mitigating Pilot Contamination in Massive MIMO. IEEE Transactions on Signal Processing, 2017, 65, 2917-2932.	3.2	75
89	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.	0.5	29
90	Joint Cancellation of Autocorrelation Sidelobe and Cross Correlation in MIMO-SAR. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 931-935.	1.4	1

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91	Image Fusion With Cospase Analysis Operator. IEEE Signal Processing Letters, 2017, 24, 943-947.	2.1	37
92	Estimating electron affinity from the lifetime of negative molecular ions: Cycloheptatriene derivatives. Russian Journal of Physical Chemistry A, 2017, 91, 915-920.	0.1	4
93	Model of Operation of Motor Vehicles Based on Monitoring of their Performance Characteristics. Transportation Research Procedia, 2017, 20, 695-701.	0.8	7
94	Dissociative electron attachment to some spinochromes: Fragment anion formation. International Journal of Mass Spectrometry, 2017, 412, 26-37.	0.7	7
95	Abrupt permafrost collapse enhances organic carbon, CO ₂ , nutrient and metal release into surface waters. Chemical Geology, 2017, 471, 153-165.	1.4	55
96	Distribution of Heavy Metals in Soil of Urban Ecosystems by the Example of the Oryol City. IOP Conference Series: Earth and Environmental Science, 2017, 66, 012002.	0.2	1
97	A robust FISTA-like algorithm. , 2017, , .		11
98	Efficient single/multiple unimodular waveform design with low weighted correlations. , 2017, , .		8
99	Time-multiplexed / superimposed pilot selection for massive MIMO pilot decontamination. , 2017, , .		2
100	Transmit Array Interpolation for DOA Estimation via Tensor Decomposition in 2-D MIMO Radar. IEEE Transactions on Signal Processing, 2017, 65, 5225-5239.	3.2	41
101	Optimal Relay Selection for Secure Cooperative Communications With an Adaptive Eavesdropper. IEEE Transactions on Wireless Communications, 2017, 16, 26-42.	6.1	67
102	Multi-label classification of brain tumor mass spectrometry data In pursuit of tumor boundary detection method. , 2017, , .		5
103	Tracking abruptly changing channels in mmWave systems using overlaid data and training. , 2017, , .		4
104	Application Biosphere Compatibility Concept To Evaluate The Quality Of Urban Environment By Bioindication Methods. IOP Conference Series: Earth and Environmental Science, 2017, 50, 012020.	0.2	0
105	Directions of increase in safety of special motor transport operation in the city of Saintâ€‘Petersburg. IOP Conference Series: Earth and Environmental Science, 2017, 90, 012231.	0.2	0
106	Impact of snow deposition on major and trace element concentrations and elementary fluxes in surface waters of the Western Siberian Lowland across a 1700â€‘km latitudinal gradient. Hydrology and Earth System Sciences, 2017, 21, 5725-5746.	1.9	37
107	Permafrost Boundary Shift in Western Siberia May Not Modify Dissolved Nutrient Concentrations in Rivers. Water (Switzerland), 2017, 9, 985.	1.2	28
108	Advances in DOA Estimation and Source Localization. International Journal of Antennas and Propagation, 2017, 2017, 1-3.	0.7	5

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109	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.	1.3	58
110	Application of Biosphere Compatibility Indicator for Assessment of the Effectiveness of Environmental Protection Methods. IOP Conference Series: Materials Science and Engineering, 2017, 262, 012193.	0.3	4
111	Evaluation of the performance of biosphere compatible city functions in modern residential areas. Journal of Applied Engineering Science, 2017, 15, 447-454.	0.4	8
112	Trace element transport in western Siberian rivers across a permafrost gradient. Biogeosciences, 2016, 13, 1877-1900.	1.3	69
113	Design of multiple unimodular waveforms with low auto- and cross-correlations for radar via majorization-minimization. , 2016, , .		13
114	Increase in fatigue life of steels by electron-beam processing. Journal of Surface Investigation, 2016, 10, 83-87.	0.1	6
115	Downlink performance of superimposed pilots in massive MIMO systems in the presence of pilot contamination. , 2016, , .		4
116	An ideal-theoretic criterion for localization of an unknown number of sources. , 2016, , .		3
117	Secure Communications in Underlay Cognitive Radio Networks: User Scheduling and Performance Analysis. IEEE Communications Letters, 2016, 20, 1191-1194.	2.5	20
118	Elevation and azimuth estimation in arbitrary planar mono-static MIMO radar via tensor decomposition. , 2016, , .		3
119	Superimposed pilots: An alternative pilot structure to mitigate pilot contamination in massive MIMO. , 2016, , .		18
120	Terrain-scattered jammer suppression in MIMO radar using space-(fast) time adaptive processing. , 2016, , .		1
121	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
122	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.	0.2	7
123	Multi-focus image fusion via coupled dictionary training. , 2016, , .		7
124	Joint Robust Transmit/Receive Adaptive Beamforming for MIMO Radar Using Probability-Constrained Optimization. IEEE Signal Processing Letters, 2016, 23, 112-116.	2.1	22
125	Cooperative Wireless Multicast: Performance Analysis and Time Allocation. IEEE Transactions on Vehicular Technology, 2016, 65, 5810-5819.	3.9	16
126	An OFDM-based waveform separation approach for MIMO-SAR. , 2015, , .		0

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127	Electron affinity evaluation for nitrobenzene derivatives using negative ion lifetime data. Rapid Communications in Mass Spectrometry, 2015, 29, 910-912.	0.7	33
128	An algebraic approach to rank-constrained beamforming. , 2015, , .		1
129	Flood zone biogeochemistry of the Ob River middle course. Applied Geochemistry, 2015, 63, 133-145.	1.4	20
130	Subspace leakage analysis of sample data covariance matrix. , 2015, , .		5
131	Danger due to the translocation of nanoparticles in soil: mathematical modeling. IOP Conference Series: Materials Science and Engineering, 2015, 98, 012022.	0.3	0
132	Seasonal dynamics of organic carbon and metals in thermokarst lakes from the discontinuous permafrost zone of western Siberia. Biogeosciences, 2015, 12, 3009-3028.	1.3	75
133	Permafrost coverage, watershed area and season control of dissolved carbon and major elements in western Siberian rivers. Biogeosciences, 2015, 12, 6301-6320.	1.3	78
134	Subspace Leakage Analysis and Improved DOA Estimation With Small Sample Size. IEEE Transactions on Signal Processing, 2015, 63, 3251-3265.	3.2	67
135	Permutation enhanced parallel reconstruction for compressive sampling. , 2015, , .		5
136	DOA estimation in MIMO radar with broken sensors by difference co-array processing. , 2015, , .		3
137	An array processing approach to pilot decontamination for massive MIMO. , 2015, , .		7
138	Partially adaptive transmit beamforming for search free 2D DOA estimation in MIMO radar. , 2015, , .		9
139	Euclidean and Space-Time Block Codes: Relationship, Optimality, Performance Analysis Revisited. IEEE Transactions on Communications, 2015, 63, 2912-2923.	4.9	6
140	Transmit Radiation Pattern Invariance in MIMO Radar With Application to DOA Estimation. IEEE Signal Processing Letters, 2015, 22, 1609-1613.	2.1	31
141	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.	2.1	15
142	Performance Limits of Segmented Compressive Sampling: Correlated Measurements Versus Bits. IEEE Transactions on Signal Processing, 2015, 63, 6061-6073.	3.2	0
143	Electron attachment to the phthalide molecule. Journal of Chemical Physics, 2015, 142, 174308.	1.2	13
144	Worst-Case Jamming on MIMO Gaussian Channels. IEEE Transactions on Signal Processing, 2015, 63, 5821-5836.	3.2	31

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145	Ambiguity Function of the Transmit Beamspace-Based MIMO Radar. IEEE Transactions on Signal Processing, 2015, 63, 4445-4457.	3.2	48
146	Steel fatigue life extension by pulsed electron beam irradiation. Journal of Surface Investigation, 2015, 9, 599-603.	0.1	1
147	Oil-contaminated soils under engineering constructions and technology of soil remediation. International Journal of Environmental Studies, 2014, 71, 722-732.	0.7	1
148	Secrecy rate maximization for MIMO Gaussian wiretap channels with multiple eavesdroppers via alternating matrix POTDC. , 2014, , .		15
149	Internal conversion as the main stabilization mechanism for long-lived negative molecular ions. Technical Physics, 2014, 59, 1277-1285.	0.2	13
150	The concentration of Mn, Cu, Zn, Co, B, Sr, Cd and Pb in alluvial soils of the Ob River (forest-steppe,) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	0.7	2
151	On the optimal relay design for multi-antenna cognitive two-way AF relay networks. , 2014, , .		0
152	Efficient jamming strategies on a MIMO Gaussian channel with known target signal covariance. , 2014, , .		1
153	MIMO radar capability on powerful jammers suppression. , 2014, , .		23
154	Thermokarst lakes of Western Siberia: a complex biogeochemical multidisciplinary approach. International Journal of Environmental Studies, 2014, 71, 733-748.	0.7	15
155	Two-stage based design for phased-MIMO radar with improved coherent transmit processing gain. , 2014, , .		7
156	Generalized quadratically constrained quadratic programming for signal processing. , 2014, , .		0
157	Reweighted l1-norm penalized LMS for sparse channel estimation and its analysis. Signal Processing, 2014, 104, 70-79.	2.1	54
158	Efficient Transmit Beamspace Design for Search-Free Based DOA Estimation in MIMO Radar. IEEE Transactions on Signal Processing, 2014, 62, 1490-1500.	3.2	107
159	Permutation Meets Parallel Compressed Sensing: How to Relax Restricted Isometry Property for 2D Sparse Signals. IEEE Transactions on Signal Processing, 2014, 62, 196-210.	3.2	71
160	Generalized ambiguity function for the MIMO radar with correlated waveforms. , 2014, , .		7
161	Robust beamforming for jammers suppression in MIMO radar. , 2014, , .		10
162	Joint beamforming and transmit design for the non-regenerative MIMO broadcast relay channel. , 2014, , .		0

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163	Electron attachment to some naphthoquinone derivatives: long-lived molecular anion formation. Rapid Communications in Mass Spectrometry, 2014, 28, 1580-1590.	0.7	36
164	Secrecy rate maximization for information and energy transfer in MIMO beamforming networks. , 2014, , .		4
165	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.	3.2	19
166	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.	3.2	14
167	On the fatigue strength of grade 20Cr13 hardened steel modified by an electron beam. Journal of Surface Investigation, 2013, 7, 90-93.	0.1	11
168	Increase in the fatigue durability of stainless steel by electron-beam surface treatment. Journal of Surface Investigation, 2013, 7, 94-98.	0.1	25
169	Principles of minimum variance robust adaptive beamforming design. Signal Processing, 2013, 93, 3264-3277.	2.1	229
170	Robust Adaptive Beamforming for General-Rank Signal Model With Positive Semi-Definite Constraint via POTDC. IEEE Transactions on Signal Processing, 2013, 61, 6103-6117.	3.2	37
171	Iterative root-MUSIC algorithm for DOA estimation. , 2013, , .		8
172	Negative ion mass spectra of hydrophilic naphthoquinones. Journal of Analytical Chemistry, 2013, 68, 1162-1164.	0.4	1
173	Interference mitigation for cognitive radio MIMO systems based on practical precoding. Physical Communication, 2013, 9, 308-315.	1.2	21
174	Interference methods of testing the surface figure of large aspheric items, based on lens-type and holographic wave-front correctors. Journal of Optical Technology (A Translation of Opticheskii) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 29		
175	Two-way relay beamforming design: Proportional fair and max-min rate fair approaches using POTDC. , 2013, , .		2
176	Two-dimensional transmit beamforming for MIMO radar with sparse symmetric arrays. , 2013, , .		23
177	Root-MUSIC based source localization using transmit array interpolation in MIMO radar with arbitrary planar arrays. , 2013, , .		11
178	Joint transmit array interpolation and transmit beamforming for source localization in MIMO radar with arbitrary arrays. , 2013, , .		9
179	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.	1.3	60
180	Sum rate maximization for multi-pair two-way relaying with single-antenna amplify and forward relays. , 2012, , .		22

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181	Transmit beamspace design for direction finding in colocated MIMO radar with arbitrary receive array and even number of waveforms. , 2012, , .		4
182	Robust Adaptive Beamforming Based on Steering Vector Estimation With as Little as Possible Prior Information. IEEE Transactions on Signal Processing, 2012, 60, 2974-2987.	3.2	236
183	A computationally efficient algorithm for high quality separation of simultaneous sources in seismology. , 2012, , .		1
184	Correlogram for undersampled data: Bias and variance analysis. , 2012, , .		2
185	Power allocation/beamforming for DF MIMO two-way relaying: Relay and network optimization. , 2012, , .		3
186	Polynomial-time DC (POTDC) for sum-rate maximization in two-way AF MIMO relaying. , 2012, , .		3
187	2D signal compression via parallel compressed sensing with permutations. , 2012, , .		4
188	Multiexponential model of metastable anions decay. Journal of Physics: Conference Series, 2012, 388, 052007.	0.3	0
189	Pareto Region Characterization for Rate Control in MIMO Interference Systems and Nash Bargaining. IEEE Transactions on Automatic Control, 2012, 57, 3203-3208.	3.6	7
190	Decimated least mean squares for frequency sparse channel estimation. , 2012, , .		3
191	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.	3.2	64
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