

Junli Liang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10720681/publications.pdf>

Version: 2024-02-01

55
papers

2,658
citations

172457

29
h-index

206112

48
g-index

55
all docs

55
docs citations

55
times ranked

1917
citing authors

#	ARTICLE	IF	CITATIONS
1	Steady-State Mean-Square Error Analysis for Adaptive Filtering under the Maximum Correntropy Criterion. IEEE Signal Processing Letters, 2014, 21, 880-884.	3.6	354
2	Passive Localization of Mixed Near-Field and Far-Field Sources Using Two-stage MUSIC Algorithm. IEEE Transactions on Signal Processing, 2010, 58, 108-120.	5.3	215
3	Asymmetric double-image encryption based on cascaded discrete fractional random transform and logistic maps. Optics Express, 2014, 22, 10605.	3.4	147
4	Unimodular Sequence Design Based on Alternating Direction Method of Multipliers. IEEE Transactions on Signal Processing, 2016, 64, 5367-5381.	5.3	126
5	Image Fusion Using Higher Order Singular Value Decomposition. IEEE Transactions on Image Processing, 2012, 21, 2898-2909.	9.8	106
6	Joint Elevation and Azimuth Direction Finding Using L-Shaped Array. IEEE Transactions on Antennas and Propagation, 2010, 58, 2136-2141.	5.1	102
7	Secure Relay and Jammer Selection for Physical Layer Security. IEEE Signal Processing Letters, 2015, 22, 1147-1151.	3.6	100
8	Constant Modulus MIMO Radar Waveform Design With Minimum Peak Sidelobe Transmit Beampattern. IEEE Transactions on Signal Processing, 2018, 66, 4207-4222.	5.3	96
9	A computationally efficient algorithm for joint range"DOA"frequency estimation of near-field sources. , 2009, 19, 596-611.		84
10	Kernel least mean square with adaptive kernel size. Neurocomputing, 2016, 191, 95-106.	5.9	83
11	Passive Localization of Near-Field Sources Using Cumulant. IEEE Sensors Journal, 2009, 9, 953-960.	4.7	66
12	Waveform Design With Unit Modulus and Spectral Shape Constraints via Lagrange Programming Neural Network. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1377-1386.	10.8	63
13	Double-image encryption based on discrete multiple-parameter fractional angular transform and two-coupled logistic maps. Optics Communications, 2015, 343, 140-149.	2.1	62
14	Robust MIMO radar target localization via nonconvex optimization. Signal Processing, 2016, 122, 33-38.	3.7	61
15	Asymmetric multiple-image encryption based on coupled logistic maps in fractional Fourier transform domain. Optics and Lasers in Engineering, 2014, 62, 139-152.	3.8	57
16	L-shaped array-based elevation and azimuth direction finding in the presence of mutual coupling. Signal Processing, 2011, 91, 1319-1328.	3.7	53
17	Robust Ellipse Fitting Based on Sparse Combination of Data Points. IEEE Transactions on Image Processing, 2013, 22, 2207-2218.	9.8	47
18	Phase-Only Pattern Synthesis for Linear Antenna Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3232-3235.	4.0	47

#	ARTICLE	IF	CITATIONS
19	Alternating direction method of multipliers for radar waveform design in spectrally crowded environments. <i>Signal Processing</i> , 2018, 142, 398-402.	3.7	46
20	Sparse Array Beampattern Synthesis via Alternating Direction Method of Multipliers. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 2333-2345.	5.1	44
21	Robust Ellipse Fitting via Half-Quadratic and Semidefinite Relaxation Optimization. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 4276-4286.	9.8	43
22	Joint Azimuth and Elevation Direction Finding Using Cumulant. <i>IEEE Sensors Journal</i> , 2009, 9, 390-398.	4.7	42
23	Distributed Dictionary Learning for Sparse Representation in Sensor Networks. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 2528-2541.	9.8	41
24	Efficient Algorithms for Synthesizing Probing Waveforms With Desired Spectral Shapes. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019, 55, 1174-1189.	4.7	38
25	Minimum local peak sidelobe level waveform design with correlation and/or spectral constraints. <i>Signal Processing</i> , 2020, 171, 107450.	3.7	38
26	Shaped Power Pattern Synthesis With Minimization of Dynamic Range Ratio. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 3067-3078.	5.1	37
27	Circular/hyperbolic/elliptic localization via Euclidean norm elimination. <i>Signal Processing</i> , 2018, 148, 102-113.	3.7	33
28	Phase Retrieval via the Alternating Direction Method of Multipliers. <i>IEEE Signal Processing Letters</i> , 2018, 25, 5-9.	3.6	33
29	On Designing the Transmission and Reception of Multistatic Continuous Active Sonar Systems. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2014, 50, 285-299.	4.7	31
30	Designing Unimodular Sequence With Low Peak of Sidelobe Level of Local Ambiguity Function. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019, 55, 1393-1406.	4.7	30
31	Color image encryption by using Yang-Gu mixture amplitude-phase retrieval algorithm in gyrator transform domain and two-dimensional Sine logistic modulation map. <i>Optics and Lasers in Engineering</i> , 2015, 75, 17-26.	3.8	29
32	Sequence Set Design With Accurately Controlled Correlation Properties. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018, 54, 3032-3046.	4.7	28
33	Smoothed least mean p-power error criterion for adaptive filtering. , 2015, 40, 154-163.		27
34	Spectrally-Agile Waveform Design for Wideband MIMO Radar Transmit Beampattern Synthesis via Majorization-ADMM. <i>IEEE Transactions on Signal Processing</i> , 2021, 69, 1563-1578.	5.3	24
35	Phase Retrieval Approach for DOA Estimation With Array Errors. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017, 53, 2610-2620.	4.7	22
36	Spectrally compatible aperiodic sequence set design with low cross- and auto-correlation PSL. <i>Signal Processing</i> , 2021, 183, 107960.	3.7	21

#	ARTICLE	IF	CITATIONS
37	Spectrally Constrained Unimodular Sequence Design Without Spectral Level Mask. IEEE Signal Processing Letters, 2018, 25, 1004-1008.	3.6	20
38	Decentralized Dimensionality Reduction for Distributed Tensor Data Across Sensor Networks. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2174-2186.	11.3	17
39	On optimizations with magnitude constraints on frequency or angular responses. Signal Processing, 2018, 145, 214-224.	3.7	17
40	Enhanced multistatic active sonar signal processing. Journal of the Acoustical Society of America, 2013, 134, 300-311.	1.1	15
41	Double-image encryption based on Yang-Gu mixture amplitude-phase retrieval algorithm and high dimension chaotic system in gyrator domain. Optics Communications, 2015, 354, 184-196.	2.1	14
42	A unified sparse array design framework for beampattern synthesis. Signal Processing, 2021, 182, 107930.	3.7	14
43	A secure double-image sharing scheme based on Shamir's three-pass protocol and 2D Sine Logistic modulation map in discrete multiple-parameter fractional angular transform domain. Optics and Lasers in Engineering, 2016, 80, 52-62.	3.8	13
44	Generalized MBI Algorithm for Designing Sequence Set and Mismatched Filter Bank With Ambiguity Function Constraints. IEEE Transactions on Signal Processing, 2022, 70, 2918-2933.	5.3	12
45	Robust ellipse fitting based on Lagrange programming neural network and locally competitive algorithm. Neurocomputing, 2020, 399, 399-413.	5.9	10
46	Joint estimation of source number and DOA using simulated annealing algorithm. , 2010, 20, 887-899.		8
47	Interference suppression with flat gain constraint for satellite navigation systems. IET Radar, Sonar and Navigation, 2015, 9, 852-856.	1.8	8
48	Joint frequency, 2-D DOA, and polarization estimation using parallel factor analysis. Science in China Series F: Information Sciences, 2009, 52, 1891-1904.	1.1	7
49	Robust Capon Beamforming via ADMM. , 2019, , .		7
50	Optimal transmitter and receiver placement for localizing 2D interested-region target with constrained sensor regions. Signal Processing, 2021, 183, 108032.	3.7	7
51	Efficient joint transmit waveform and receive filter design based on a general $\ L^p - \text{norm}\ $ metric for sidelobe level of pulse compression. Signal Processing, 2021, 188, 108174.	3.7	5
52	Two-Dimensional Frequencies Estimation Using Two-Stage Separated Virtual Steering Vector-Based Algorithm. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	3
53	Tensor decomposition-based color image watermarking. , 2014, , .		3
54	Joint Design of Radar Transmit Waveform and Mismatched Filter with Low Sidelobes. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
55	Joint design of mismatched filter and unimodular transmit waveform. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2021, 39, 1349-1355.	0.5	0