Junli Liang

List of Publications by Year
in descending order

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55	2,658	172457	206112
papers	citations	29 h-index	48 g-index

55	55	55	1917
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Joint Design of Radar Transmit Waveform and Mismatched Filter with Low Sidelobes. , 2021, , .		2
3	Spectrally-Agile Waveform Design for Wideband MIMO Radar Transmit Beampattern Synthesis via Majorization-ADMM. IEEE Transactions on Signal Processing, 2021, 69, 1563-1578.	5.3	24
4	A unified sparse array design framework for beampattern synthesis. Signal Processing, 2021, 182, 107930.	3.7	14
5	Spectrally compatible aperiodic sequence set design with low cross- and auto-correlation PSL. Signal Processing, 2021, 183, 107960.	3.7	21
6	Optimal transmitter and receiver placement for localizing 2D interested-region target with constrained sensor regions. Signal Processing, 2021, 183, 108032.	3.7	7
7	Efficient joint transmit waveform and receive filter design based on a general <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:msub><mml:mi>L</mml:mi><mml:mi>p</mml:mi></mml:msub></mml:math>-norm metric for sidelobe level of pulse compression. Signal Processing, 2021, 188, 108174.	3.7	5
8	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
9	Minimum local peak sidelobe level waveform design with correlation and/or spectral constraints. Signal Processing, 2020, 171, 107450.	3.7	38
10	Robust ellipse fitting based on Lagrange programming neural network and locally competitive algorithm. Neurocomputing, 2020, 399, 399-413.	5.9	10
11	Designing Unimodular Sequence With Low Peak of Sidelobe Level of Local Ambiguity Function. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1393-1406.	4.7	30
12	Robust Capon Beamforming via ADMM. , 2019, , .		7
13	Shaped Power Pattern Synthesis With Minimization of Dynamic Range Ratio. IEEE Transactions on Antennas and Propagation, 2019, 67, 3067-3078.	5.1	37
14	Efficient Algorithms for Synthesizing Probing Waveforms With Desired Spectral Shapes. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1174-1189.	4.7	38
15	Circular/hyperbolic/elliptic localization via Euclidean norm elimination. Signal Processing, 2018, 148, 102-113.	3.7	33
16	On optimizations with magnitude constraints on frequency or angular responses. Signal Processing, 2018, 145, 214-224.	3.7	17
17	Sparse Array Beampattern Synthesis via Alternating Direction Method of Multipliers. IEEE Transactions on Antennas and Propagation, 2018, 66, 2333-2345.	5.1	44
18	Phase Retrieval via the Alternating Direction Method of Multipliers. IEEE Signal Processing Letters, 2018, 25, 5-9.	3.6	33

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19	Alternating direction method of multipliers for radar waveform design in spectrally crowded environments. Signal Processing, 2018, 142, 398-402.	3.7	46
20	Spectrally Constrained Unimodular Sequence Design Without Spectral Level Mask. IEEE Signal Processing Letters, 2018, 25, 1004-1008.	3.6	20
21	Constant Modulus MIMO Radar Waveform Design With Minimum Peak Sidelobe Transmit Beampattern. IEEE Transactions on Signal Processing, 2018, 66, 4207-4222.	5.3	96
22	Sequence Set Design With Accurately Controlled Correlation Properties. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 3032-3046.	4.7	28
23	Phase Retrieval Approach for DOA Estimation With Array Errors. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2610-2620.	4.7	22
24	Phase-Only Pattern Synthesis for Linear Antenna Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3232-3235.	4.0	47
25	Unimodular Sequence Design Based on Alternating Direction Method of Multipliers. IEEE Transactions on Signal Processing, 2016, 64, 5367-5381.	5.3	126
26	Robust MIMO radar target localization via nonconvex optimization. Signal Processing, 2016, 122, 33-38.	3.7	61
27	Kernel least mean square with adaptive kernel size. Neurocomputing, 2016, 191, 95-106.	5.9	83
28	A secure double-image sharing scheme based on Shamir×3s 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
29	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
30	Interference suppression with flat gain constraint for satellite navigation systems. IET Radar, Sonar and Navigation, 2015, 9, 852-856.	1.8	8
31	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
32	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
33	Secure Relay and Jammer Selection for Physical Layer Security. IEEE Signal Processing Letters, 2015, 22, 1147-1151.	3.6	100
34	Color image encryption by using Yang-Gu mixture amplitude-phase retrieval algorithm in gyrator transform domain and two-dimensional Sine logistic modulation map. Optics and Lasers in Engineering, 2015, 75, 17-26.	3.8	29
35	Smoothed least mean p-power error criterion for adaptive filtering. , 2015, 40, 154-163.		27
36	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

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37	Robust Ellipse Fitting via Half-Quadratic and Semidefinite Relaxation Optimization. IEEE Transactions on Image Processing, 2015, 24, 4276-4286.	9.8	43
38	Tensor decomposition-based color image watermarking. , 2014, , .		3
39	Asymmetric double-image encryption based on cascaded discrete fractional random transform and logistic maps. Optics Express, 2014, 22, 10605.	3.4	147
40	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
41	Distributed Dictionary Learning for Sparse Representation in Sensor Networks. IEEE Transactions on Image Processing, 2014, 23, 2528-2541.	9.8	41
42	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
43	On Designing the Transmission and Reception of Multistatic Continuous Active Sonar Systems. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 285-299.	4.7	31
44	Enhanced multistatic active sonar signal processing. Journal of the Acoustical Society of America, 2013, 134, 300-311.	1.1	15
45	Robust Ellipse Fitting Based on Sparse Combination of Data Points. IEEE Transactions on Image Processing, 2013, 22, 2207-2218.	9.8	47
46	Image Fusion Using Higher Order Singular Value Decomposition. IEEE Transactions on Image Processing, 2012, 21, 2898-2909.	9.8	106
47	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
48	L-shaped array-based elevation and azimuth direction finding in the presence of mutual coupling. Signal Processing, 2011, 91, 1319-1328.	3.7	53
49	Joint estimation of source number and DOA using simulated annealing algorithm. , 2010, 20, 887-899.		8
50	Joint Elevation and Azimuth Direction Finding Using L-Shaped Array. IEEE Transactions on Antennas and Propagation, 2010, 58, 2136-2141.	5.1	102
51	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
52	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
53	A computationally efficient algorithm for joint rangeâ€“DOAâ€“frequency estimation of near-field sources. , 2009, 19, 596-611.		84
54	Passive Localization of Near-Field Sources Using Cumulant. IEEE Sensors Journal, 2009, 9, 953-960.	4.7	66

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55	Joint Azimuth and Elevation Direction Finding Using Cumulant. IEEE Sensors Journal, 2009, 9, 390-398.	4.7	42