Lifan Zhao

List of Publications by Year
in descending order

45 papers	965 citations	516710 16 h-index	610901 24 g-index
45 all docs	45 docs citations	45 times ranked	739 citing authors

#	Article	IF	Citations
1	Data-Driven Motion Compensation for Airborne Bistatic SAR Imagery Under Fast Factorized Back Projection Framework. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1728-1740.	4.9	11
2	Structured Bayesian learning for recovery of clustered sparse signal. Signal Processing, 2020, 166, 107255.	3.7	18
3	Cooperative Multitask Learning for Sparsity-Driven SAR Imagery and Nonsystematic Error Autocalibration. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5132-5147.	6.3	27
4	LED Nonlinearity Estimation and Compensation in VLC Systems Using Probabilistic Bayesian Learning. Applied Sciences (Switzerland), 2019, 9, 2711.	2.5	12
5	A New Fast Factorized Back Projection Algorithm for Bistatic Forward-Looking SAR Imaging Based on Orthogonal Elliptical Polar Coordinate. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1508-1520.	4.9	13
6	An Improved Fast Time-Domain Algorithm for Bistatic Forward-Looking Sar Imaging. , 2019, , .		3
7	An Improved Deep Clustering Model for Underwater Acoustical Targets. Neural Processing Letters, 2018, 48, 1633-1644.	3.2	8
8	Alternative to Extended Block Sparse Bayesian Learning and Its Relation to Pattern-Coupled Sparse Bayesian Learning. IEEE Transactions on Signal Processing, 2018, 66, 2759-2771.	5.3	40
9	Coherent Auto-Calibration of APE and NsRCM under Fast Back-Projection Image Formation for Airborne SAR Imaging inHighly-Squint Angle. Remote Sensing, 2018, 10, 321.	4.0	6
10	Spectrum-Oriented FFBP Algorithm in Quasi-Polar Grid for SAR Imaging on Maneuvering Platform. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 724-728.	3.1	18
11	Sparsity-Driven SAR Imaging for Highly Maneuvering Ground Target by the Combination of Time-Frequency Analysis and Parametric Bayesian Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1443-1455.	4.9	28
12	Quasi-Polar-Based FFBP Algorithm for Miniature UAV SAR Imaging Without Navigational Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 7053-7065.	6.3	56
13	Wide-band DOA estimation method based on fast sparse Bayesian learning. , 2017, , .		0
14	Computationally Efficient Wide-Band DOA Estimation Methods Based on Sparse Bayesian Framework. IEEE Transactions on Vehicular Technology, 2017, 66, 11108-11121.	6.3	12
15	Sparse Bayesian RVM regression based channel estimation for IM/DD OFDM-VLC systems with reduced training overhead. , 2017, , .		6
16	NsRCM correction in fast factorized back projection algorithm for UAV SAR motion compensation. , 2017, , .		0
17	Doppler-shift invariant feature extraction for underwater acoustic target classification. , 2017, , .		3
18	Underdetermined Separation of Speech Mixture Based on Sparse Bayesian Learning. Mathematical Problems in Engineering, 2016, 2016, 1-13.	1.1	1

#	Article	IF	Citations
19	A sparsity-driven auto-focus technique for radar imaging. , 2016, , .		0
20	2D sparsity for joint DOA and frequency estimation of harmonic acoustic signals. , 2016, , .		1
21	Spectrum analysis of SAR image in polar grid system for back projection algorithm. , 2016, , .		1
22	A secure data hiding system based on over-complete dictionary partitioning. , 2016, , .		1
23	ISAR maneuvering targets imaging and motion estimation from parametric sparse bayesian learning. , 2016, , .		2
24	Autofocus algorithm for radar/sonar imaging by exploiting the continuity structure. , 2016, , .		1
25	Forward Velocity Extraction From UAV Raw SAR Data Based on Adaptive Notch Filtering. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1211-1215.	3.1	13
26	The Race to Improve Radar Imagery: An overview of recent progress in statistical sparsity-based techniques. IEEE Signal Processing Magazine, 2016, 33, 85-102.	5.6	63
27	Structured sparsity-driven autofocus algorithm for high-resolution radar imagery. Signal Processing, 2016, 125, 376-388.	3.7	23
28	SAR Ground Moving Target Imaging Algorithm Based on Parametric and Dynamic Sparse Bayesian Learning. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2254-2267.	6.3	62
29	Novel Wideband DOA Estimation Based on Sparse Bayesian Learning With Dirichlet Process Priors. IEEE Transactions on Signal Processing, 2016, 64, 275-289.	5.3	96
30	A data-driven approach for monitoring forward velocity for small and lightweight drone. , 2015, , .		1
31	Protograph LDPC codes for STBC Rayleigh fading channels. , 2015, , .		3
32	Integrating parametric and non-parametric models for scene labeling. , 2015, , .		23
33	Investigation on SAR ground moving target imaging under sparse Bayesian learning framework. , 2015, , .		1
34	Robust Frequency-Hopping Spectrum Estimation Based on Sparse Bayesian Method. IEEE Transactions on Wireless Communications, 2015, 14, 781-793.	9.2	48
35	Sparse Representation-Based ISAR Imaging Using Markov Random Fields. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3941-3953.	4.9	55
36	Ground moving target imaging by synthetic aperture radar based on an unified framework of keystone transformation. , 2015, , .		0

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37	DOA estimation of harmonic acoustic signals. , 2014, , .		0
38	Phase/gain error compensation in sensor array via variational Bayesian inference. , 2014, , .		2
39	Time-varying filtering and separation of nonstationary FM signals in strong noise environments. , 2014, , .		5
40	Blind Frequency Hopping Spectrum Estimation: A Bayesian Approach. , 2014, , .		2
41	An Autofocus Technique for High-Resolution Inverse Synthetic Aperture Radar Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6392-6403.	6.3	115
42	Structured sparse representation based ISAR imaging. , 2014, , .		2
43	Hierarchical Sparse Signal Recovery by Variational Bayesian Inference. IEEE Signal Processing Letters, 2014, 21, 110-113.	3.6	17
44	Enhanced ISAR Imaging by Exploiting the Continuity of the Target Scene. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5736-5750.	6.3	112
45	An Improved Auto-Calibration Algorithm Based on Sparse Bayesian Learning Framework. IEEE Signal Processing Letters, 2013, 20, 889-892.	3.6	54