

# Lifan Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	An Improved Auto-Calibration Algorithm Based on Sparse Bayesian Learning Framework. IEEE Signal Processing Letters, 2013, 20, 889-892.	3.6	54
9	Robust Frequency-Hopping Spectrum Estimation Based on Sparse Bayesian Method. IEEE Transactions on Wireless Communications, 2015, 14, 781-793.	9.2	48
10	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
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	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
13	Integrating parametric and non-parametric models for scene labeling. , 2015, , .		23
14	Structured sparsity-driven autofocus algorithm for high-resolution radar imagery. Signal Processing, 2016, 125, 376-388.	3.7	23
15	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
16	Structured Bayesian learning for recovery of clustered sparse signal. Signal Processing, 2020, 166, 107255.	3.7	18
17	Hierarchical Sparse Signal Recovery by Variational Bayesian Inference. IEEE Signal Processing Letters, 2014, 21, 110-113.	3.6	17
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Computationally Efficient Wide-Band DOA Estimation Methods Based on Sparse Bayesian Framework. IEEE Transactions on Vehicular Technology, 2017, 66, 11108-11121.	6.3	12
21	LED Nonlinearity Estimation and Compensation in VLC Systems Using Probabilistic Bayesian Learning. Applied Sciences (Switzerland), 2019, 9, 2711.	2.5	12
22	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
23	An Improved Deep Clustering Model for Underwater Acoustical Targets. Neural Processing Letters, 2018, 48, 1633-1644.	3.2	8
24	Sparse Bayesian RVM regression based channel estimation for IM/DD OFDM-VLC systems with reduced training overhead. , 2017, , .		6
25	Coherent Auto-Calibration of APE and NsRCM under Fast Back-Projection Image Formation for Airborne SAR Imaging in Highly-Squint Angle. Remote Sensing, 2018, 10, 321.	4.0	6
26	Time-varying filtering and separation of nonstationary FM signals in strong noise environments. , 2014, , .		5
27	Protograph LDPC codes for STBC Rayleigh fading channels. , 2015, , .		3
28	Doppler-shift invariant feature extraction for underwater acoustic target classification. , 2017, , .		3
29	An Improved Fast Time-Domain Algorithm for Bistatic Forward-Looking Sar Imaging. , 2019, , .		3
30	Phase/gain error compensation in sensor array via variational Bayesian inference. , 2014, , .		2
31	Blind Frequency Hopping Spectrum Estimation: A Bayesian Approach. , 2014, , .		2
32	Structured sparse representation based ISAR imaging. , 2014, , .		2
33	ISAR maneuvering targets imaging and motion estimation from parametric sparse bayesian learning. , 2016, , .		2
34	A data-driven approach for monitoring forward velocity for small and lightweight drone. , 2015, , .		1
35	Investigation on SAR ground moving target imaging under sparse Bayesian learning framework. , 2015, , .		1
36	Underdetermined Separation of Speech Mixture Based on Sparse Bayesian Learning. Mathematical Problems in Engineering, 2016, 2016, 1-13.	1.1	1

#	ARTICLE	IF	CITATIONS
37	2D sparsity for joint DOA and frequency estimation of harmonic acoustic signals. , 2016, , .		1
38	Spectrum analysis of SAR image in polar grid system for back projection algorithm. , 2016, , .		1
39	A secure data hiding system based on over-complete dictionary partitioning. , 2016, , .		1
40	Autofocus algorithm for radar/sonar imaging by exploiting the continuity structure. , 2016, , .		1
41	DOA estimation of harmonic acoustic signals. , 2014, , .		0
42	Ground moving target imaging by synthetic aperture radar based on an unified framework of keystone transformation. , 2015, , .		0
43	A sparsity-driven auto-focus technique for radar imaging. , 2016, , .		0
44	Wide-band DOA estimation method based on fast sparse Bayesian learning. , 2017, , .		0
45	NsRCM correction in fast factorized back projection algorithm for UAV SAR motion compensation. , 2017, , .		0