

Jinping Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5833890/publications.pdf>

Version: 2024-02-01

118
papers

1,250
citations

471061

17
h-index

433756

31
g-index

118
all docs

118
docs citations

118
times ranked

1238
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration Compensation of Airborne Terahertz SAR Based on Along Track Interferometry. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	5
2	Analysis of the upper limit accuracy of an imaging radar altimeter from satellite formation. , 2022, , .		0
3	A Multi-Objective Quantum Genetic Algorithm for MIMO Radar Waveform Design. Remote Sensing, 2022, 14, 2387.	1.8	8
4	SAR Automatic Target Recognition Method Based on Multi-Stream Complex-Valued Networks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	2.7	21
5	Airport Detection in SAR Images Via Salient Line Segment Detector and Edge-Oriented Region Growing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 314-326.	2.3	13
6	An Improved Multiple Hypothesis Tracker Integrated with Unknown Clutter Intensity Estimator. , 2021, , .		1
7	Robust Multisensor MeMber Filter for Multiple Extended-Target Tracking. Mathematical Problems in Engineering, 2021, 2021, 1-11.	0.6	1
8	Group Target Tracking Based on MS-MeMber Filters. Remote Sensing, 2021, 13, 1920.	1.8	11
9	Unknown SAR Target Identification Method Based on Feature Extraction Network and KLDâ€™RPA Joint Discrimination. Remote Sensing, 2021, 13, 2901.	1.8	18
10	A novel few-shot learning method for synthetic aperture radar image recognition. Neurocomputing, 2021, 465, 215-227.	3.5	8
11	Low Correlation Interference OFDM-NLFM Waveform Design for MIMO Radar Based on Alternating Optimization. Sensors, 2021, 21, 7704.	2.1	1
12	Improved GRASP-MHT for Possibly Unresolved Measurements. , 2021, , .		0
13	A Fuzzy Adaptive Strong Tracking Algorithm with Fading Factor. , 2021, , .		0
14	An Novel Multiple Hypothesis Tracker with Adaptive Clutter Estimation for Heterogeneous Scene. , 2021, , .		0
15	A Multi-Sensor Multi-Target Tracker Based on Labeled MS-CPHD Filter. , 2021, , .		0
16	Stealth Maneuvering Multi-target Tracking With IMM-LMB Filter. , 2021, , .		1
17	Pattern Synthesis of Linear Antenna Array Using Improved Differential Evolution Algorithm with SPS Framework. Sensors, 2020, 20, 5158.	2.1	5
18	A New Multiple Hypothesis Tracker Using Validation Gate with Motion Direction Constraint. Sensors, 2020, 20, 4816.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Ocean Surface Topography Altimetry by Large Baseline Cross-Interferometry from Satellite Formation. Remote Sensing, 2020, 12, 3519.	1.8	3
20	A Fast Far-Field Pseudopolar Format Algorithm for Ground-Based Arc 3-D SAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1697-1701.	1.4	1
21	A Novel MS-MeMber Filter for Extended Targets Tracking. IEEE Access, 2020, 8, 37596-37607.	2.6	2
22	A Novel Maneuvering Target Tracking Algorithm Using Polynomial Filter. , 2020, , .		0
23	A New Algorithm for SAR Image Target Recognition Based on an Improved Deep Convolutional Neural Network. Cognitive Computation, 2019, 11, 809-824.	3.6	91
24	Multisensor RFS Filters for Unknown and Changing Detection Probability. Electronics (Switzerland), 2019, 8, 741.	1.8	3
25	Sparsity-Driven High-Resolution and Wide-Swath SAR Imaging via Poisson Disk Sampling. , 2019, , .		1
26	Integrated GANs: Semi-Supervised SAR Target Recognition. IEEE Access, 2019, 7, 113999-114013.	2.6	11
27	A Novel Multi-Input Bidirectional LSTM and HMM Based Approach for Target Recognition from Multi-Domain Radar Range Profiles. Electronics (Switzerland), 2019, 8, 535.	1.8	7
28	A Novel Semi-Supervised Learning Method Based on Fast Search and Density Peaks. Complexity, 2019, 2019, 1-23.	0.9	2
29	Weakly Supervised Segmentation of SAR Imagery Using Superpixel and Hierarchically Adversarial CRF. Remote Sensing, 2019, 11, 512.	1.8	35
30	High-Resolution and Wide-Swath SAR Imaging via Poisson Disk Sampling and Iterative Shrinkage Thresholding. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4692-4704.	2.7	14
31	The FPGA Implementation of Low-Altitude and Slow-Speed Small Target Detection. , 2019, , .		1
32	Application of Ground-based Deformation Monitoring Radar in Mine Slope Monitoring-Taking a mine in Inner Mongolia as an example. , 2019, , .		0
33	Impact of PRF design on GMTI performance of MIMO-SAR for hypersonic platform with curved trajectory. Journal of Engineering, 2019, 2019, 6067-6071.	0.6	0
34	A Novel HRWS Imaging Algorithm with Velocity Compensation for Spaceborne Multi-channel SAR. , 2019, , .		0
35	A Novel IMM Filter for VideoSAR Ground Moving Target Tracking. , 2019, , .		1
36	A Novel Track-Before-Detect Method Based on H-PMHT and the Polynomial Filter. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	Amplitude and Phase Errors Correction for Ground-based Arc Array SAR. , 2019, , .		1
38	Rotating micro deformation monitoring radar. , 2019, , .		0
39	A Variable-Diameter-Arc-Helix Radon Transform for Detecting a Near Space Hypersonic Maneuvering Target. IEEE Access, 2019, 7, 184875-184884.	2.6	2
40	Double-Directional Bernoulli Track - Before- Detect Filter with Particle Flow. , 2019, , .		0
41	Statistical Analysis of Typical Clutter Scenes in High Resolution SAR Images. , 2019, , .		0
42	Attention Graph Convolution Network for Image Segmentation in Big SAR Imagery Data. Remote Sensing, 2019, 11, 2586.	1.8	49
43	A New Multiple Hypothesis Tracker Integrated with Detection Processing. Sensors, 2019, 19, 5278.	2.1	4
44	Radon-S transform for hypersonic maneuvering target detection. Multidimensional Systems and Signal Processing, 2019, 30, 17-38.	1.7	1
45	Labelled multi-Bernoulli filter with amplitude information for tracking marine weak targets. IET Radar, Sonar and Navigation, 2019, 13, 983-991.	0.9	13
46	High-quality pixel selection in ground-based SAR interferometry based on pseudo- and quasi-permanent scatterers analyses. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	2
47	Complementary Codes Approach to Sparse Frequency Waveform Design. , 2018, , .		2
48	H-PMHT Track-Before-Detect Method Using Markov Chain Monte Carlo Particle Filter. , 2018, , .		1
49	Exploiting the Persymmetric Property of Covariance Matrices for Knowledge-Aided Space-Time Adaptive Processing. IEEE Access, 2018, 6, 68001-68012.	2.6	8
50	Cram�r Rao Lower Bound Derivation of Parameter Estimation for Hypersonic Platform SAR-GMTI. , 2018, , .		0
51	Amplitude Information Aided Robust Multi-Bernoulli Filter for Marine Target Tracking. , 2018, , .		3
52	Track Segment Association of Maneuvering Target Based on Expectation Maximization. , 2018, , .		1
53	Time- and Space-Varying Atmospheric Phase Correction in Discontinuous Ground-Based Synthetic Aperture Radar Deformation Monitoring. Sensors, 2018, 18, 3883.	2.1	15
54	Multichannel High Resolution Wide Swath SAR Imaging for Hypersonic Air Vehicle with Curved Trajectory. Sensors, 2018, 18, 411.	2.1	10

#	ARTICLE	IF	CITATIONS
55	Adaptive Multi-Bernoulli Filter Without Need of Prior Birth Multi-Bernoulli Random Finite Set. Chinese Journal of Electronics, 2018, 27, 115-122.	0.7	4
56	PHD and CPHD Filtering With Unknown Detection Probability. IEEE Transactions on Signal Processing, 2018, 66, 3784-3798.	3.2	50
57	Low-Altitude and Slow-Speed Small Target Detection Based on Spectrum Zoom Processing. Mathematical Problems in Engineering, 2018, 2018, 1-10.	0.6	4
58	A Deep Convolutional Generative Adversarial Networks (DCGANs)-Based Semi-Supervised Method for Object Recognition in Synthetic Aperture Radar (SAR) Images. Remote Sensing, 2018, 10, 846.	1.8	107
59	$\hat{\Gamma}$ -Generalized Labeled Multi-Bernoulli Filter Using Amplitude Information of Neighboring Cells. Sensors, 2018, 18, 1153.	2.1	9
60	Semi-Supervised Generative Adversarial Nets with Multiple Generators for SAR Image Recognition. Sensors, 2018, 18, 2706.	2.1	23
61	Visual Saliency Modeling for River Detection in High-Resolution SAR Imagery. IEEE Access, 2018, 6, 1000-1014.	2.6	52
62	Parameter estimation method of walking human based on radar micro-Doppler. , 2017, , .		11
63	Beam pattern Optimization for Frequency Diverse Array With Sparse Frequency Waveforms. IEEE Access, 2017, 5, 17914-17926.	2.6	16
64	Synthesis of conformal array antenna for hypersonic platform SAR using modified particle swarm optimisation. IET Radar, Sonar and Navigation, 2017, 11, 1235-1242.	0.9	18
65	Combining Deep Convolutional Neural Network and SVM to SAR Image Target Recognition. , 2017, , .		7
66	Netted radar management based on anti-jamming capability. , 2017, , .		2
67	Wavenumber domain imaging algorithm for hypersonic platform SAR with curved trajectory. , 2017, , .		4
68	Estimation of human gait cycle based on cepstrum of radar micro-Doppler signatures. , 2017, , .		3
69	Hierarchical Feature-Based Detection Method for SAR Targets Under Complex Environment. Chinese Journal of Electronics, 2017, 26, 647-653.	0.7	4
70	Dual-Branch Deep Convolution Neural Network for Polarimetric SAR Image Classification. Applied Sciences (Switzerland), 2017, 7, 447.	1.3	78
71	A Novel Active Semisupervised Convolutional Neural Network Algorithm for SAR Image Recognition. Computational Intelligence and Neuroscience, 2017, 2017, 1-8.	1.1	35
72	An Efficient Implementation of Track-Oriented Multiple Hypothesis Tracker Using Graphical Model Approaches. Mathematical Problems in Engineering, 2017, 2017, 1-11.	0.6	7

#	ARTICLE	IF	CITATIONS
73	An efficient multiple hypothesis tracker using max product belief propagation. , 2017, , .		6
74	Maneuvering target tracking with extended set-membership filter for radar application. , 2017, , .		0
75	$L^{1/2}$ regularization based azimuth resolution enhancement for multi-channel radar forward-looking imaging. , 2017, , .		0
76	Investigation of Wavenumber Domain Imaging Algorithm for Ground-Based Arc Array SAR. Sensors, 2017, 17, 2950.	2.1	15
77	Sparse Frequency Waveform Design for Radar-Embedded Communication. Mathematical Problems in Engineering, 2016, 2016, 1-7.	0.6	5
78	Compressive sensing aided the sequential extended Kalman filter tracker for pulse Doppler radar. , 2016, , .		0
79	A waveform-agile unscented Kalman filter for radar target tracking. , 2016, , .		2
80	Multiple hypothesis tracking based on the Shirayev sequential probability ratio test. Science China Information Sciences, 2016, 59, 1.	2.7	5
81	A novel semisupervised support vector machine classifier based on active learning and context information. Multidimensional Systems and Signal Processing, 2016, 27, 969-988.	1.7	11
82	Nonparametric detector in nonhomogeneous clutter environments with knowledge-aided permutation test. IET Radar, Sonar and Navigation, 2016, 10, 1310-1318.	0.9	8
83	Fast Algorithm for Inverse Two-Dimensional S Transform and Its Application in Time-Frequency Filtering for SAR Image Despeckling. Chinese Journal of Electronics, 2016, 25, 100-105.	0.7	4
84	Biologically Inspired Progressive Enhancement Target Detection from Heavy Cluttered SAR Images. Cognitive Computation, 2016, 8, 955-966.	3.6	16
85	Focusing vibrating targets in frequency-modulation continuous-wave-synthetic aperture radar with Doppler keystone transform. Journal of Applied Remote Sensing, 2016, 10, 025019.	0.6	3
86	A SAR Image Despeckling Method Based on Two-Dimensional S Transform Shrinkage. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3025-3034.	2.7	30
87	High-Resolution SAR-Based Ground Moving Target Imaging With Defocused ROI Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1062-1073.	2.7	61
88	PMHT track-before-detect processing with DP-based track initiation and termination. IET Signal Processing, 2016, 10, 1118-1125.	0.9	3
89	Network performance analysis of Time-Triggered Ethernet based on network calculus for DIMA. , 2015, , .		2
90	Codesign of Beam Pattern and Sparse Frequency Waveforms for MIMO Radar. International Journal of Antennas and Propagation, 2015, 2015, 1-12.	0.7	6

#	ARTICLE	IF	CITATIONS
91	A Novel Classification Algorithm Based on Incremental Semi-Supervised Support Vector Machine. PLoS ONE, 2015, 10, e0135709.	1.1	7
92	Network performance analysis of Time-Triggered Ethernet based on network calculus for DIMA. , 2015, , .		0
93	Multiple walking human recognition based on radar micro-Doppler signatures. Science China Information Sciences, 2015, 58, 1-13.	2.7	4
94	Visual Attention Model-Based Vehicle Target Detection in Synthetic Aperture Radar Images: A Novel Approach. Cognitive Computation, 2015, 7, 434-444.	3.6	22
95	Using persymmetric property in knowledge-aided space-time adaptive processing. , 2014, , .		1
96	Sparsity-aware adaptive link combination approach over distributed networks. Electronics Letters, 2014, 50, 1285-1287.	0.5	9
97	An improved tbd algorithm based on dynamic programming for dim SAR target detection. , 2014, , .		4
98	Moving target vibration estimation in SAR using chirp modulation and autofocus. , 2014, , .		1
99	A novel helicopter-borne terahertz SAR imaging algorithm based on Keystone transform. , 2014, , .		7
100	Angle aided centralized multi-sensor multiple hypothesis tracking method. , 2014, , .		2
101	Spectral characteristics of mixed micro-Doppler time-frequency data sequences in micro-motion and inertial parameter estimation of radar targets. IET Radar, Sonar and Navigation, 2014, 8, 275-281.	0.9	11
102	A hybrid STAP approach to target detection for heterogeneous scenarios in radar seekers. Multidimensional Systems and Signal Processing, 2014, 25, 493-509.	1.7	4
103	SAR-Based Paired Echo Focusing and Suppression of Vibrating Targets. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7593-7605.	2.7	30
104	Classification of free rigid targets with micro-motions using inertial characteristic from radar signatures. Electronics Letters, 2014, 50, 950-952.	0.5	10
105	Factor graph aided multiple hypothesis tracking. Science China Information Sciences, 2013, 56, 1-6.	2.7	15
106	Multiband Radar Signal Coherent Fusion Processing With IAA and apFFT. IEEE Signal Processing Letters, 2013, 20, 463-466.	2.1	52
107	GTD-based 2D state-space method and its application to recover shape from range signals. , 2012, , .		0
108	Multi-hypotheses based data association for scatter centers of spin cone-shape target. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
109	A distributed adaptive GSC beamformer over coordinated antenna arrays network for interference mitigation. , 2012, , .		9
110	A Novel GSC Beamformer Using a Combination of Two Adaptive Filters for Smart Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 377-380.	2.4	10
111	A new motor fault detection method using multiple window S-method time-frequency analysis. , 2012, , .		9
112	A novel spaceborne SAR wide-swath imaging approach based on Poisson disk-like nonuniform sampling and compressive sensing. Science China Information Sciences, 2012, 55, 1876-1887.	2.7	9
113	River detection algorithm in SAR images based on edge extraction and ridge tracing techniques. International Journal of Remote Sensing, 2011, 32, 3485-3494.	1.3	16
114	A GTD model and state space approach based method for extracting the UWB scattering center of moving target. Science China Information Sciences, 2011, 54, 182-196.	2.7	14
115	Polarimetric characters extraction research of Kelvin wakes on PolSAR image. , 2011, , .		0
116	Radar micro-Doppler analysis and rotation parameter estimation for rigid targets with complicated micro-motions. , 2011, , .		3
117	Compressive sensing SAR imaging with real data. , 2010, , .		5
118	A novel adaptive interference mitigation approach based on space time processing for global navigation system receiver arrays. , 2010, , .		3