

# Teng Long

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100  
papers

801  
citations

16  
h-index

23  
g-index

126  
ext. papers

1,070  
ext. citations

3.4  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
100	Earth-Based Repeat-Pass SAR Interferometry of the Moon: Spatial-Temporal Baseline Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2022</b> , 1-1	8.1	0
99	Polarimetric HRRP Recognition Based on ConvLSTM With Self-Attention. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 7884-7898	4	6
98	Practical Investigation of a MIMO radar system capabilities for small drones detection. <i>IET Radar, Sonar and Navigation</i> , <b>2021</b> , 15, 760-774	1.4	1
97	Low-slow-small target detection using stepped-frequency signals in a strong folded clutter environment. <i>IET Radar, Sonar and Navigation</i> , <b>2021</b> , 15, 1030-1044	1.4	1
96	Polarimetric HRRP recognition based on feature-guided Transformer model. <i>Electronics Letters</i> , <b>2021</b> , 57, 705-707	1.1	3
95	Parametric Image Reconstruction for Edge Recovery From Synthetic Aperture Radar Echoes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 2155-2173	8.1	4
94	SAR Parametric Super-Resolution Image Reconstruction Methods Based on ADMM and Deep Neural Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-16	8.1	14
93	Blocked Azimuth Spectrum Reconstruction Algorithm for Onboard Real-Time Dual-Channel SAR Imaging. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	1
92	Motion Parameter Estimation and HRRP Construction for High-Speed Weak Targets Based on Modified GRFT for Synthetic-Wideband Radar With PRF Jittering. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	1
91	Insect Multifrequency Polarimetric Radar Cross Section: Experimental Results and Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 6573-6585	8.1	4
90	Robust Wideband Adaptive Beamforming Based on Focusing Transformation and Steering Vector Compensation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 2280-2284	3.8	1
89	Fast overlapped subaperture algorithm for high-squint spotlight SAR imaging. <i>International Journal of Remote Sensing</i> , <b>2020</b> , 41, 6051-6070	3.1	1
88	A Novel Subarray Digital Modulation Technique for Wideband Phased Array Radar. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 7365-7376	5.2	2
87	Channel Error Effect Analysis for Reconstruction Algorithm in Dual-Channel SAR Imaging. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2020</b> , 17, 1563-1567	4.1	5
86	Near-Field Phase Cross Correlation Focusing Imaging and Parameter Estimation for Penetrating Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2020</b> , 58, 598-611	8.1	4
85	Modeling and Quantitative Analysis of Tropospheric Impact on Inclined Geosynchronous SAR Imaging. <i>Remote Sensing</i> , <b>2019</b> , 11, 803	5	7
84	Advanced technology of high-resolution radar: target detection, tracking, imaging, and recognition. <i>Science China Information Sciences</i> , <b>2019</b> , 62, 1	3.4	31

83	A radar waveform bandwidth selection strategy for wideband tracking. <i>Science China Information Sciences</i> , <b>2019</b> , 62, 1	3.4	2
82	Robust Wideband Adaptive Beamforming With Null Broadening and Constant Beamwidth. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 5380-5389	4.9	11
81	Geometrical Structure Classification of Target HRRP Scattering Centers Based on Dual Polarimetric $\$H/\alpha\$$ Features. <i>IEEE Access</i> , <b>2019</b> , 7, 141679-141688	3.5	6
80	Partial TMR method for on-orbit processors based on PageRank algorithm. <i>Electronics Letters</i> , <b>2019</b> , 55, 124-126	1.1	1
79	Deep forest for radar HRRP recognition. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 8018-8021	0.7	1
78	Correction to "Geometrical Structure Classification of Target HRRP Scattering Centers Based on Dual Polarimetric $\$H / \alpha\$$ Features" <i>IEEE Access</i> , <b>2019</b> , 7, 152042-152042	3.5	1
77	Identification of Migratory Insects from their Physical Features using a Decision-Tree Support Vector Machine and its Application to Radar Entomology. <i>Scientific Reports</i> , <b>2018</b> , 8, 5449	4.9	17
76	Focus-before-detection radar signal processing: part iiRecent developments. <i>IEEE Aerospace and Electronic Systems Magazine</i> , <b>2018</b> , 33, 34-49	2.4	16
75	Adaptive null broadening method in wideband beamforming for rapidly moving interference suppression. <i>Electronics Letters</i> , <b>2018</b> , 54, 1003-1005	1.1	7
74	Implementation of CS coefficient calculation based on dual-operator engines in multimode spaceborne SAR imaging systems. <i>Electronics Letters</i> , <b>2018</b> , 54, 163-165	1.1	1
73	Computerized ionospheric tomography based on geosynchronous SAR. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 2686-2705	2.6	6
72	Micro-Doppler measurement of insect wing-beat frequencies with W-band coherent radar. <i>Scientific Reports</i> , <b>2017</b> , 7, 1396	4.9	28
71	SAR ground moving targets relocation via co-prime arrays <b>2017</b> ,		3
70	Adjacent co-prime array for DOA estimation of real-valued sources <b>2017</b> ,		4
69	High accuracy unambiguous angle estimation using multi-scale combination in distributed coherent aperture radar. <i>IET Radar, Sonar and Navigation</i> , <b>2017</b> , 11, 1090-1098	1.4	6
68	GNSS Carrier Phase Tracking With Discrete Wavelet Transform Filtering Under Ionospheric Scintillation. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 394-397	3.8	5
67	Efficient ISAR Phase Autofocus Based on Eigenvalue Decomposition. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 2195-2199	4.1	15
66	A Novel Monopulse Technique for Adaptive Phased Array Radar. <i>Sensors</i> , <b>2017</b> , 17,	3.8	3

65	A Range Grating Lobes Suppression Method for Stepped-Frequency SAR Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2016</b> , 9, 5677-5687	4.7	6
64	Road-Aided Doppler Ambiguity Resolver for SAR Ground Moving Target in the Image Domain. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2016</b> , 13, 1552-1556	4.1	3
63	Parameter resolutions of uniformly accelerated targets based on hybrid integration <b>2016</b> ,		1
62	An improved IMM algorithm based on maneuvering-adaptive model set <b>2016</b> ,		1
61	An extended dimension music method for doa estimation of multiple real-valued sources <b>2016</b> ,		1
60	An effective ISAR autofocus algorithm based on single eigenvector <b>2016</b> ,		4
59	Multi-waveform parameter estimation of external illuminator for passive bistatic radar <b>2016</b> ,		1
58	Estimation of source number based on power-inversion and adaptive threshold in colored noise <b>2016</b> ,		2
57	Robust and fast iterative sparse recovery method for space-time adaptive processing. <i>Science China Information Sciences</i> , <b>2016</b> , 59, 1	3.4	6
56	Motion and Doppler Characteristics Analysis Based on Circular Motion Model in Geosynchronous SAR. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2016</b> , 9, 1132-1142	4.7	18
55	A Modified Frequency Domain Algorithm Based on Optimal Azimuth Quadratic Factor Compensation for Geosynchronous SAR Imaging. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2016</b> , 9, 1119-1131	4.7	32
54	Identification-While-Scanning of a Multi-Aircraft Formation Based on Sparse Recovery for Narrowband Radar. <i>Sensors</i> , <b>2016</b> , 16,	3.8	1
53	Impacts of Temporal-Spatial Variant Background Ionosphere on Repeat-Track GEO D-InSAR System. <i>Remote Sensing</i> , <b>2016</b> , 8, 916	5	17
52	Road-Aided Ground Slowly Moving Target 2D Motion Estimation for Single-Channel Synthetic Aperture Radar. <i>Sensors</i> , <b>2016</b> , 16,	3.8	7
51	GMTI for Squint Looking XTI-SAR with Rotatable Forward-Looking Array. <i>Sensors</i> , <b>2016</b> , 16,	3.8	2
50	Numerical Analysis of Orbital Perturbation Effects on Inclined Geosynchronous SAR. <i>Sensors</i> , <b>2016</b> , 16,	3.8	5
49	Target Tracking Using SePDAF under Ambiguous Angles for Distributed Array Radar. <i>Sensors</i> , <b>2016</b> , 16,	3.8	3
48	SAR Ground Moving Target Indication Based on Relative Residue of DPCA Processing. <i>Sensors</i> , <b>2016</b> , 16,	3.8	5

47	A Robust Range Grating Lobe Suppression Method Based on Image Contrast for Stepped-Frequency SAR. <i>Sensors</i> , <b>2016</b> , 16,	3.8	2
46	High Accuracy Acquisition of 3-D Flight Trajectory of Individual Insect Based on Phase Measurement. <i>Sensors</i> , <b>2016</b> , 16,	3.8	3
45	Along-track velocity estimation for SAR moving target in complex image domain <b>2016</b> ,		1
44	Phase unwrapping method based on multi-frequency InSAR in highly sloped terrain. <i>Electronics Letters</i> , <b>2016</b> , 52, 1058-1059	1.1	1
43	Fast STAP Method Based on PAST with Sparse Constraint for Airborne Phased Array Radar. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 4550-4561	4.8	22
42	Experimental Study of Ionospheric Impacts on Geosynchronous SAR Using GPS Signals. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2016</b> , 9, 2171-2183	4.7	18
41	Accurate range profile alignment method based on minimum entropy for inverse synthetic aperture radar image formation. <i>IET Radar, Sonar and Navigation</i> , <b>2016</b> , 10, 663-671	1.4	8
40	Underwater sonar target imaging via compressed sensing with M sequences. <i>Science China Information Sciences</i> , <b>2016</b> , 59, 1	3.4	2
39	Height resolution analysis in geosynchronous SAR. <i>Electronics Letters</i> , <b>2015</b> , 51, 579-581	1.1	2
38	Subaperture Approach Based on Azimuth-Dependent Range Cell Migration Correction and Azimuth Focusing Parameter Equalization for Maneuvering High-Squint-Mode SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2015</b> , 53, 6718-6734	8.1	43
37	Design of validation experiment for analysing impacts of background ionosphere on geosynchronous SAR using GPS signals. <i>Electronics Letters</i> , <b>2015</b> , 51, 1604-1606	1.1	6
36	A Novel Range Grating Lobe Suppression Method Based on the Stepped-Frequency SAR Image. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2015</b> , 12, 606-610	4.1	17
35	Adaptive Correlation Space Adjusted Open-Loop Tracking Approach for Vehicle Positioning with Global Navigation Satellite System in Urban Areas. <i>Sensors</i> , <b>2015</b> , 15, 21581-612	3.8	4
34	Underwater Acoustic Matched Field Imaging Based on Compressed Sensing. <i>Sensors</i> , <b>2015</b> , 15, 25577-913.8	3.8	3
33	Multiple input and multiple output synthetic aperture radar multiple waveform separation based on oblique projection in same frequency coverage. <i>IET Radar, Sonar and Navigation</i> , <b>2015</b> , 9, 1088-1096	1.4	3
32	Optimization of Subarray Partition for Large Planar Phased Array Radar Based on Weighted K-Means Clustering Method. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2015</b> , 9, 1460-1468	7.5	17
31	MIMO-SAR waveforms separation based on virtual polarization filter. <i>Science China Information Sciences</i> , <b>2015</b> , 58, 1-12	3.4	4
30	An Improved Frequency Domain Focusing Method in Geosynchronous SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 5514-5528	8.1	54

29	Sub-Array Weighting UN-MUSIC: A Unified Framework and Optimal Weighting Strategy. <i>IEEE Signal Processing Letters</i> , <b>2014</b> , 21, 871-874	3.2	5
28	Space-surface BiSAR based on GNSS signal: Synchronization, imaging and experiment result <b>2014</b> ,		8
27	Improved PRI-staggered space-time adaptive processing algorithm based on projection approximation subspace tracking subspace technique. <i>IET Radar, Sonar and Navigation</i> , <b>2014</b> , 8, 449-456	1.4	5
26	Mainlobe Interference Suppression Based on Eigen-Projection Processing and Covariance Matrix Reconstruction. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1369-1372	3.8	29
25	An Optimal Resolution Steering Method for Geosynchronous Orbit SAR. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2014</b> , 11, 1732-1736	4.1	14
24	Geo-location error analysis in geosynchronous SAR. <i>Electronics Letters</i> , <b>2014</b> , 50, 1741-1743	1.1	8
23	Wideband distributed coherent aperture radar <b>2014</b> ,		4
22	An improved motion compensation method for high resolution UAV SAR imaging. <i>Science China Information Sciences</i> , <b>2014</b> , 57, 1-13	3.4	14
21	Hybrid STAP approach of direct data domain algorithm and adaptive localised domain transformation for discrete interference suppression in non-homogeneous clutter. <i>Electronics Letters</i> , <b>2014</b> , 50, 1743-1745	1.1	4
20	Short pulse groups searching based on isomorphic sequences. <i>Electronics Letters</i> , <b>2014</b> , 50, 1875-1877	1.1	
19	An improved constant coefficient multiplication algorithm based on cascaded adder graph. <i>Science China Information Sciences</i> , <b>2013</b> , 56, 1-7	3.4	1
18	Pulse-order recursive method for inverse covariance matrix computation applied to space-time adaptive processing. <i>Science China Information Sciences</i> , <b>2013</b> , 56, 1-12	3.4	2
17	Robust non-homogeneity detection algorithm based on prolate spheroidal wave functions for space-time adaptive processing. <i>IET Radar, Sonar and Navigation</i> , <b>2013</b> , 7, 47-54	1.4	22
16	Extended NLCS Algorithm of BiSAR Systems With a Squinted Transmitter and a Fixed Receiver: Theory and Experimental Confirmation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2013</b> , 51, 5019-5030	8.1	18
15	Improved eigenanalysis canceler based on data-independent clutter subspace estimation for space-time adaptive processing. <i>Science China Information Sciences</i> , <b>2013</b> , 56, 1-10	3.4	3
14	Improved Goldschmidt division method using mapping of divisors. <i>Science China Information Sciences</i> , <b>2013</b> , 56, 1-6	3.4	1
13	Offline Performance Prediction of PDAF With Bayesian Detection for Tracking in Clutter. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 770-781	4.8	12
12	Phase difference estimation based on orthogonal signals for distributed coherent aperture radar <b>2013</b> ,		3

11	An accurate SISAR imaging method of ground moving target in forward scatter radar. <i>Science China Information Sciences</i> , <b>2012</b> , 55, 2269-2280	3.4	1
10	Pre-Compensation Clutter Range-Dependence STAP Algorithm for Forward-Looking Airborne Radar Utilizing Knowledge-Aided Subspace Projection. <i>IEICE Transactions on Communications</i> , <b>2012</b> , E95-B, 97-105	0.5	2
9	Improved Double Threshold Detector for Spatially Distributed Target. <i>IEICE Transactions on Communications</i> , <b>2012</b> , E95.B, 1475-1478	0.5	8
8	A new complex Duffing oscillator used in complex signal detection. <i>Science Bulletin</i> , <b>2012</b> , 57, 2185-2191		12
7	Improved Probabilistic Multi-Hypothesis Tracker for Multiple Target Tracking With Switching Attribute States. <i>IEEE Transactions on Signal Processing</i> , <b>2011</b> , 59, 5721-5733	4.8	11
6	D3-STMB Hybrid STAP Algorithm for Discrete Interference Suppression in Nonhomogeneous Clutter. <i>IEICE Transactions on Communications</i> , <b>2011</b> , E94-B, 1114-1117	0.5	7
5	A New Method of Zero-Doppler Centroid Control in GEO SAR. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2011</b> , 8, 512-516	4.1	49
4	Performance analysis of optimal and reduced-dimension STAP for airborne phased array radar <b>2010</b> ,		1
3	An improved algorithm of velocity measurement using burst error function <b>2010</b> ,		1
2	Effect of geometry of planar antenna arrays on Cramer-Rao Bounds for DOA estimation <b>2010</b> ,		4
1	HPRF pulse Doppler stepped frequency radar. <i>Science in China Series F: Information Sciences</i> , <b>2009</b> , 52, 883-893		5