Yong Wang

List of Publications by Year in descending order

63 papers	1,105 citations	394421 19 h-index	414414 32 g-index
63 all docs	63 docs citations	63 times ranked	452 citing authors

#	Article	IF	Citations
1	Inverse Synthetic Aperture Radar Imaging of Maneuvering Target Based on the Product Generalized Cubic Phase Function. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 958-962.	3.1	108
2	ISAR Imaging of a Ship Target Using Product High-Order Matched-Phase Transform. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 658-661.	3.1	99
3	ISAR Imaging of Maneuvering Target Based on the L-Class of Fourth-Order Complex-Lag PWVD. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 1518-1527.	6.3	76
4	ISAR Imaging of Maneuvering Target Based on the Local Polynomial Wigner Distribution and Integrated High-Order Ambiguity Function for Cubic Phase Signal Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2971-2991.	4.9	72
5	ISAR Imaging of Non-Uniformly Rotating Target via Range-Instantaneous-Doppler-Derivatives Algorithm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 167-176.	4.9	65
6	A Novel Algorithm for Estimating the Rotation Angle in ISAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 608-609.	3.1	56
7	Inverse Synthetic Aperture Radar Imaging of Nonuniformly Rotating Target Based on the Parameters Estimation of Multicomponent Quadratic Frequency-Modulated Signals. IEEE Sensors Journal, 2015, 15, 4053-4061.	4.7	46
8	ISAR Imaging of Maneuvering Target Based on the Quadratic Frequency Modulated Signal Model With Time-Varying Amplitude. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1012-1024.	4.9	38
9	Three-Dimensional Interferometric ISAR Imaging for the Ship Target Under the Bi-Static Configuration. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1505-1520.	4.9	34
10	Iterative Optimization-Based ISAR Imaging With Sparse Aperture and Its Application in Interferometric ISAR Imaging. IEEE Sensors Journal, 2019, 19, 8681-8693.	4.7	31
11	Novel Approach for High Resolution ISAR/InISAR Sensors Imaging of Maneuvering Target Based on Peak Extraction Technique. IEEE Sensors Journal, 2019, 19, 5541-5558.	4.7	29
12	Interferometric ISAR Imaging of Maneuvering Targets With Arbitrary Three-Antenna Configuration. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1102-1119.	6.3	28
13	ISAR Imaging of Maneuvering Targets Based on the Modified Discrete Polynomial-Phase Transform. Sensors, 2015, 15, 22401-22418.	3.8	26
14	3-D Interferometric Inverse Synthetic Aperture Radar Imaging of Ship Target With Complex Motion. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3693-3708.	6.3	22
15	Ship Target Imaging in Airborne SAR System Based on Automatic Image Segmentation and ISAR Technique. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1985-2000.	4.9	22
16	Inverse synthetic aperture radar imaging of targets with complex motion based on cubic Chirplet decomposition. IET Signal Processing, 2015, 9, 419-429.	1.5	21
17	Super-Resolution Sparse Aperture ISAR Imaging of Maneuvering Target via the RELAX Algorithm. IEEE Sensors Journal, 2018, 18, 8726-8738.	4.7	21
18	Inverse synthetic aperture radar imaging of ship targets with complex motion based on match Fourier transform for cubic chirps model. IET Radar, Sonar and Navigation, 2013, 7, 994-1003.	1.8	19

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19	A Super-Resolution Sparse Aperture ISAR Sensors Imaging Algorithm via the MUSIC Technique. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7119-7134.	6.3	19
20	ISAR imaging for three-dimensional rotation targets based on adaptive Chirplet decomposition. Multidimensional Systems and Signal Processing, 2010, 21, 59-71.	2.6	18
21	Approach for high-resolution inverse synthetic aperture radar imaging of ship target with complex motion. IET Signal Processing, 2013, 7, 146-157.	1.5	18
22	ISAR Imaging for Low-Earth-Orbit Target Based on Coherent Integrated Smoothed Generalized Cubic Phase Function. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1205-1220.	6.3	18
23	A Fast Eigenvector-Based Autofocus Method for Sparse Aperture ISAR Sensors Imaging of Moving Target. IEEE Sensors Journal, 2019, 19, 1307-1319.	4.7	16
24	Novel Method of ISAR Cross-Range Scaling for Slowly Rotating Targets Based on the Iterative Adaptive Approach and Discrete Polynomial-Phase Transform. IEEE Sensors Journal, 2019, 19, 4898-4906.	4.7	16
25	Novel Approach for ISAR Cross-Range Scaling Based on the Multidelay Discrete Polynomial- Phase Transform Combined With Keystone Transform. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1221-1231.	6.3	15
26	Rotation Parameters Estimation and Cross-Range Scaling Research for Range Instantaneous Doppler ISAR Images. IEEE Sensors Journal, 2020, 20, 7010-7020.	4.7	13
27	New approach for ISAR imaging of ship target with 3D rotation. Multidimensional Systems and Signal Processing, 2010, 21, 301-318.	2.6	10
28	Moving Target Tracking Based on Improved GMPHD Filter in Circular SAR System. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 559-563.	3.1	10
29	High-Rate Underwater Acoustic Localization Based on the Decision Tree. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	10
30	Fourth-Order Complex-Lag PWVD for Multicomponent Signals with Application in ISAR Imaging of Maneuvering Targets. Circuits, Systems, and Signal Processing, 2010, 29, 449-457.	2.0	9
31	Radar Imaging of Nonstationary Rotating Ship Target With GEO-Shipborne Bistatic Configuration. IEEE Sensors Journal, 2019, 19, 5213-5218.	4.7	9
32	ISAR Imaging of Maneuvering Target Based on the Estimation of Time Varying Amplitude With Gaussian Window. IEEE Sensors Journal, 2019, 19, 11180-11191.	4.7	8
33	Radar Imaging of Non-Uniformly Rotating Targets via a Novel Approach for Multi-Component AM-FM Signal Parameter Estimation. Sensors, 2015, 15, 6905-6923.	3.8	7
34	Novel Approach for InSAR Sensors Imaging via Gradient-Based Algorithm for the Sparse Signal Reconstruction. IEEE Sensors Journal, 2018, 18, 2385-2394.	4.7	7
35	A Novel Optimal Time Window Determination Approach for ISAR Imaging of Ship Targets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3475-3503.	4.9	7
36	Generalized time–frequency distributions for multicomponent polynomial phase signals. Signal Processing, 2008, 88, 984-1001.	3.7	6

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37	3-D InISAR Imaging of the Ship Target Based on Joint Cross S-Method Algorithm. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1080-1084.	3.1	6
38	Removal of micro‑Doppler effect in ISAR imaging based on time recursive iterative adaptive approach. IET Radar, Sonar and Navigation, 2020, 14, 1159-1166.	1.8	6
39	Imaging of high‑speed manoeuvering target via improved version of product high‑order ambiguity function. IET Signal Processing, 2016, 10, 385-394.	1.5	5
40	3-D Imaging Based on Combination of the ISAR Technique and a MIMO Radar System. IEEE Transactions on Geoscience and Remote Sensing, 2018, , 1-22.	6.3	5
41	Novel Approach for ISAR Cross-Range Scaling of Maneuvering Target. IEEE Sensors Journal, 2019, 19, 10409-10418.	4.7	5
42	Novel sparse apertures ISAR imaging algorithm via the TLS‑ESPRIT technique. IET Radar, Sonar and Navigation, 2020, 14, 852-859.	1.8	5
43	A Novel ISAR Imaging and Scaling Approach for Maneuvering Targets Based on High-Accuracy Phase Parameter Estimation Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	5
44	Unambiguous Estimation of Multidimensional Parameters for Space Precession Targets With Wideband Radar Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	5
45	InISAR Imaging for Maneuvering Target Based on the Quadratic Frequency Modulated Signal Model With Time-Varying Amplitude. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	4
46	Precession Parameter Estimation From Wideband Measurements for 3-D ISAR Imaging of Cone-Shaped Targets. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
47	ISAR imaging of target with complex motion based on novel approach for the parameters estimation of multi-component cubic phase signal. Multidimensional Systems and Signal Processing, 2018, 29, 1285-1307.	2.6	3
48	Cross-Range Scaling of ISAR Image Generated by the Range-Chirp Rate Algorithm for the Maneuvering Target. IEEE Sensors Journal, 2020, , 1-1.	4.7	3
49	Micro‑Doppler effect removal in ISAR imaging based on Radon‑Laplace method. Electronics Letters, 2020, 56, 570-572.	1.0	3
50	Three Dimension Airborne SAR Imaging of Rotational Target With Single Antenna and Performance Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	3
51	Cross-range scaling of ISAR based on phase frequency modulation parameter estimation. , 2017, , .		2
52	ISAR Imaging of the Maneuvering Target with Sparse Aperture Based on the Modified Orthogonal Matching Pursuit. , 2019, , .		2
53	FMCW-InISAR imaging for high-speed target based on bistatic configuration. Science China Technological Sciences, 2020, 63, 1452-1469.	4.0	2
54	Analysis of the Imaging Projection Plane for Ship Target With Spaceborne Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	2

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55	Bayesian 3‑D interferometric ISAR imaging for the targets with limited pulses. Journal of Engineering, 2019, 2019, 5562-5567.	1.1	2
56	SA‑ISAR imaging algorithm based on the gradient signal recovery method. Journal of Engineering, 2019, 2019, 6577-6581.	1.1	1
57	Method for high‑resolution SAR imaging based on inverse radon transform. Journal of Engineering, 2019, 2019, 6951-6955.	1.1	1
58	Translational motion estimation and compensation in distributed inverse synthetic aperture radar imaging of ship target with complex motion. IET Radar, Sonar and Navigation, 2022, 16, 1095-1106.	1.8	1
59	Novel approach for shipborne‑passive bistatic imaging with DVB‑T signals based on MIAA–RID technique. IET Radar, Sonar and Navigation, 2022, 16, 1330-1343.	1.8	1
60	Estimation of the rotation velocity and scaling for ISAR imaging of near-field targets based on the integrated generalized cubic phase function and image interpolation. International Journal of Remote Sensing, 2021, 42, 6537-6555.	2.9	0
61	Spectral‑factorisation Root‑MUSIC algorithm for super‑resolution ISAR imaging. Journal of Engineering, 2019, 2019, 7125-7129.	1.1	0
62	Novel optimal time selection method for synthetic aperture radar data processing via expectation‑maximization algorithm. Electronics Letters, 0, , .	1.0	0
63	An Efficient Preprocessing Approach for Airborne Hybrid SAR and ISAR Imaging of Ship Target Based on Kernel Distribution. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5147-5162.	4.9	0