

# Kai Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7802597/publications.pdf>

Version: 2024-02-01

41  
papers

1,270  
citations

430874

18  
h-index

377865

34  
g-index

42  
all docs

42  
docs citations

42  
times ranked

857  
citing authors

#	ARTICLE	IF	CITATIONS
1	OTFS-Based Joint Communication and Sensing for Future Industrial IoT. IEEE Internet of Things Journal, 2023, 10, 1973-1989.	8.7	16
2	Enabling Joint Communication and Radar Sensing in Mobile Networks—A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 306-345.	39.4	220
3	Frequency-Hopping MIMO Radar-Based Communications: An Overview. IEEE Aerospace and Electronic Systems Magazine, 2022, 37, 42-54.	1.3	19
4	Integrating Secure Communications Into Frequency Hopping MIMO Radar With Improved Data Rate. IEEE Transactions on Wireless Communications, 2022, 21, 5392-5405.	9.2	7
5	Integrating Low-Complexity and Flexible Sensing Into Communication Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 1873-1889.	14.0	17
6	Joint Communications and Sensing Employing Multi- or Single-Carrier OFDM Communication Signals: A Tutorial on Sensing Methods, Recent Progress and a Novel Design. Sensors, 2022, 22, 1613.	3.8	8
7	Analog-Domain Suppression of Strong Interference Using Hybrid Antenna Array. Sensors, 2022, 22, 2417.	3.8	3
8	Accurate Detection and Localization of Unmanned Aerial Vehicle Swarms-Enabled Mobile Edge Computing System. IEEE Transactions on Industrial Informatics, 2021, 17, 5059-5067.	11.3	79
9	Efficient Data Transmission Strategy for IIoTs With Arbitrary Geometrical Array. IEEE Transactions on Industrial Informatics, 2021, 17, 3460-3468.	11.3	32
10	An Efficient Strategy for Accurate Detection and Localization of UAV Swarms. IEEE Internet of Things Journal, 2021, 8, 15372-15381.	8.7	52
11	Accurate Frequency Estimation With Fewer DFT Interpolations Based on Pad $\hat{A}$ Approximation. IEEE Transactions on Vehicular Technology, 2021, 70, 7267-7271.	6.3	10
12	Reliable Frequency-Hopping MIMO Radar-Based Communications With Multi-Antenna Receiver. IEEE Transactions on Communications, 2021, 69, 5502-5513.	7.8	6
13	An Adaptive Radar Signal Processor for UAVs Detection With Super-Resolution Capabilities. IEEE Sensors Journal, 2021, 21, 20778-20787.	4.7	19
14	A Smart Radar Signal Processing Solution for Ground-Based UAVs Surveillance. , 2021, , .		0
15	Refinement of Optimal Interpolation Factor for DFT Interpolated Frequency Estimator. IEEE Communications Letters, 2020, 24, 782-786.	4.1	18
16	Fast Angle-of-Arrival Estimation via Virtual Subarrays in Analog Antenna Array. IEEE Transactions on Wireless Communications, 2020, 19, 6425-6439.	9.2	3
17	Accurate Channel Estimation for Frequency-Hopping Dual-Function Radar Communications. , 2020, , .		11
18	Secrecy Rate Analysis for Millimeter-Wave Lens Antenna Array Transmission. IEEE Communications Letters, 2020, 24, 272-276.	4.1	5

#	ARTICLE	IF	CITATIONS
19	Ghost Image Due to mmWave Radar Interference: Experiment, Mitigation and Leverage. , 2020, , .		2
20	Waveform Design and Accurate Channel Estimation for Frequency-Hopping MIMO Radar-Based Communications. IEEE Transactions on Communications, 2020, , 1-1.	7.8	44
21	Exploiting Spatial-Wideband Effect for Fast AoA Estimation at Lens Antenna Array. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 902-917.	10.8	10
22	Recent Breakthroughs on Angle-of-Arrival Estimation for Millimeter-Wave High-Speed Railway Communication. IEEE Communications Magazine, 2019, 57, 57-63.	6.1	9
23	Accurate DOA Estimation for Large-Scale Uniform Circular Array Using a Single Snapshot. IEEE Communications Letters, 2019, 23, 302-305.	4.1	20
24	Expeditious Estimation of Angle-of-Arrival for Hybrid Butler Matrix Arrays. IEEE Transactions on Wireless Communications, 2019, 18, 2170-2185.	9.2	7
25	Efficient Angle-of-Arrival Estimation of Lens Antenna Arrays for Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2019, 37, 116-130.	14.0	12
26	Multiple Moving Targets Surveillance Based on a Cooperative Network for Multi-UAV. IEEE Communications Magazine, 2018, 56, 82-89.	6.1	180
27	Robust Unambiguous Estimation of Angle-of-Arrival in Hybrid Array With Localized Analog Subarrays. IEEE Transactions on Wireless Communications, 2018, 17, 2987-3002.	9.2	37
28	Fast and Accurate Estimation of Angle-of-Arrival for Satellite-Borne Wideband Communication System. IEEE Journal on Selected Areas in Communications, 2018, 36, 314-326.	14.0	18
29	An ISAR Imaging Algorithm for Nonuniformly Rotating Targets With Low SNR Based on Modified Bilinear Parameter Estimation of Cubic Phase Signal. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 3108-3124.	4.7	18
30	GPU accelation of parallel range alignment in ISAR real-time imaging. , 2016, , .		1
31	ISAR Imaging of Nonuniformly Rotating Targets Based on Generalized Decoupling Technique. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 520-532.	4.9	20
32	Three-dimensional interferometric inverse synthetic aperture radar imaging of maneuvering target based on the joint cross modified Wigner-Ville distribution. Journal of Applied Remote Sensing, 2016, 10, 015007.	1.3	8
33	Design of generalised sidelobe canceller-based adaptive wideband beamformer without pre-steering delays. Electronics Letters, 2016, 52, 177-179.	1.0	8
34	NUFFT-based parameter estimation algorithm for ISAR imaging of targets with complex motion. , 2015, , .		1
35	ISAR Imaging of Nonuniformly Rotating Target Based on a Fast Parameter Estimation Algorithm of Cubic Phase Signal. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4727-4740.	6.3	78
36	ISAR Imaging of Targets With Complex Motions Based on Modified $L_v$ 's Distribution for Cubic Phase Signal. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4775-4784.	4.9	40

#	ARTICLE	IF	CITATIONS
37	ISAR Imaging for Fluctuating Ships Based on a Fast Bilinear Parameter Estimation Algorithm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3954-3966.	4.9	26
38	A new broadband beamformer with fixed feedback weights. , 2014, , .		0
39	ISAR Imaging of Targets With Complex Motion Based on the Chirp Rateâ€œQuadratic Chirp Rate Distribution. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7276-7289.	6.3	126
40	ISAR Imaging of Targets With Complex Motions Based on the Keystone Time-Chirp Rate Distribution. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1275-1279.	3.1	76
41	Design of Wideband Digital Array Beamformer Using the Variable Fractional Delay Allpass Filter. Applied Mechanics and Materials, 0, 719-720, 826-832.	0.2	4