

Xiaojun Jing

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

1,297
citations

516710

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395702

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126
all docs

126
docs citations

126
times ranked

876
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Semisupervised Human Activity Recognition With Radar Micro-Doppler Signatures. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 6.3 | 24 |
| 2 | Machine Learning-Based 5G RAN Slicing for Broadcasting Services. IEEE Transactions on Broadcasting, 2022, 68, 295-304. | 3.2 | 11 |
| 3 | AMCRN: Few-Shot Learning for Automatic Modulation Classification. IEEE Communications Letters, 2022, 26, 542-546. | 4.1 | 26 |
| 4 | Wi-Fi Sensing for Joint Gesture Recognition and Human Identification From Few Samples in Human-Computer Interaction. IEEE Journal on Selected Areas in Communications, 2022, 40, 2193-2205. | 14.0 | 35 |
| 5 | An automatic modulation classification network for IoT terminal spectrum monitoring under zero-sample situations. Eurasip Journal on Wireless Communications and Networking, 2022, 2022, . | 2.4 | 4 |
| 6 | Precoder and Decoder Co-Designs for Radar and Communication Spectrum Sharing. Sensors, 2022, 22, 2619. | 3.8 | 2 |
| 7 | Towards Device-Free Cross-Scene Gesture Recognition from Limited Samples in Integrated Sensing and Communication. , 2022, , . | | 1 |
| 8 | Non-Cooperative UAV Detection with Semi-Adaptive Sampling of Control Signal and SNR Estimation. Electronics (Switzerland), 2022, 11, 1815. | 3.1 | 0 |
| 9 | Spectrum sensing based on adversarial transfer learning. IET Communications, 2022, 16, 2059-2069. | 2.2 | 3 |
| 10 | Performance of Multi-Cell mmWave NOMA Networks With Base Station Cooperation. IEEE Communications Letters, 2021, 25, 442-445. | 4.1 | 14 |
| 11 | Human Motion Recognition With Limited Radar Micro-Doppler Signatures. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6586-6599. | 6.3 | 22 |
| 12 | A novel FCNsâ€ConvLSTM network for video salient object detection. International Journal of Circuit Theory and Applications, 2021, 49, 1050-1060. | 2.0 | 6 |
| 13 | Rebuttal to â€œComments on â€Fixed Region Beamforming Using Frequency Diverse Subarray for Secure MmWave Wireless Communicationsâ€™. IEEE Transactions on Information Forensics and Security, 2021, 16, 2854-2855. | 6.9 | 2 |
| 14 | Integrated Sensing and Communication-Enabled Predictive Beamforming With Deep Learning in Vehicular Networks. IEEE Communications Letters, 2021, 25, 3301-3304. | 4.1 | 38 |
| 15 | Device-Free Wireless Sensing for Human Detection: The Deep Learning Perspective. IEEE Internet of Things Journal, 2021, 8, 2517-2539. | 8.7 | 78 |
| 16 | Spectrum sensing based on deep convolutional generative adversarial networks. , 2021, , . | | 2 |
| 17 | UAV Control Signal Detection based on Convolution Neural Network. , 2021, , . | | 0 |
| 18 | SNR Estimation of UAV Control Signal Based on Convolutional Neural Network. , 2021, , . | | 1 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | SferNet: A Novel Network for Static Facial Emotion Recognition. , 2021, , . | | 1 |
| 20 | Spectrum sensing based on adaptive sampling of received signal. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, . | 2.4 | 3 |
| 21 | Cross-Domain Gesture Recognition via Learning Spatiotemporal Features in Wi-Fi Sensing. , 2021, , . | | 6 |
| 22 | CNN and DCGAN for Spectrum Sensors over Rayleigh Fading Channel. Wireless Communications and Mobile Computing, 2021, 2021, 1-12. | 1.2 | 8 |
| 23 | Device-Free Human Identification Using Behavior Signatures in WiFi Sensing. Sensors, 2021, 21, 5921. | 3.8 | 1 |
| 24 | Supervised Domain Adaptation for Few-Shot Radar-Based Human Activity Recognition. IEEE Sensors Journal, 2021, 21, 25880-25890. | 4.7 | 8 |
| 25 | Integrating Sensing and Communications for Ubiquitous IoT: Applications, Trends, and Challenges. IEEE Network, 2021, 35, 158-167. | 6.9 | 274 |
| 26 | Deep Learning-Aided Receiver Against Nonlinear Distortion of HPA in OFDM Systems. , 2021, , . | | 1 |
| 27 | WirelessID: Device-Free Human Identification Using Gesture Signatures in CSI. , 2021, , . | | 3 |
| 28 | Particle Filter based Predictive Beamforming for Integrated Vehicle Sensing and Communication. , 2021, , . | | 2 |
| 29 | On the Design of Embedded Smart Home System Based on Internet of Things. , 2021, , . | | 0 |
| 30 | Anti-Intelligent UAV Jamming Strategy via Deep Q-Networks. IEEE Transactions on Communications, 2020, 68, 569-581. | 7.8 | 43 |
| 31 | Performance Analysis of Agile-Beam NOMA in Millimeter Wave Networks. IEEE Access, 2020, 8, 6638-6649. | 4.2 | 10 |
| 32 | A Deep-Learning Method for Radar Micro-Doppler Spectrogram Restoration. Sensors, 2020, 20, 5007. | 3.8 | 6 |
| 33 | Mutual Information Based Co-Design for Coexisting MIMO Radar and Communication Systems. , 2020, , . | | 8 |
| 34 | Unsupervised Domain Adaptation for Human Activity Recognition in Radar. , 2020, , . | | 7 |
| 35 | Adversarial Transfer Learning for Deep Learning Based Automatic Modulation Classification. IEEE Signal Processing Letters, 2020, 27, 880-884. | 3.6 | 78 |
| 36 | Social Interaction Assisted Resource Sharing Scheme for Device-to-Device Communication Towards Green Internet of Things. IEEE Access, 2020, 8, 71652-71661. | 4.2 | 10 |

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| 37 | Multi-Level Attentional Network for Aspect-based Sentiment Analysis. , 2020, , . | | 2 |
| 38 | Analysis of Quasi-Zenith Satellite System Signal Acquisition and Multiplexing Characteristics in China Area. Sensors, 2020, 20, 1547. | 3.8 | 1 |
| 39 | Continuous Variable Quantum Secret Sharing with Fairness. Applied Sciences (Switzerland), 2020, 10, 189. | 2.5 | 2 |
| 40 | Dynamic Rotated Angular Beamforming Using Frequency Diverse Phased-Array for Secure MmWave Wireless Communications. Electronics (Switzerland), 2020, 9, 10. | 3.1 | 11 |
| 41 | Fixed Region Beamforming Using Frequency Diverse Subarray for Secure mmWave Wireless Communications. IEEE Transactions on Information Forensics and Security, 2020, 15, 2706-2721. | 6.9 | 16 |
| 42 | Computationally constrained spectrum sensing in IoT-based scenarios. IET Communications, 2020, 14, 3631-3638. | 2.2 | 3 |
| 43 | Classification Model of Wireless Signals Based on Higher-order Statistics. , 2020, , . | | 1 |
| 44 | High Altitude Platform Station Communication as an Enabler for Massive Internet of Things. , 2020, , . | | 2 |
| 45 | LSTM based Human Activity Classification on Radar Range Profile. , 2019, , . | | 11 |
| 46 | Strategy on SS. IET Communications, 2019, 13, 1465-1471. | 2.2 | 1 |
| 47 | A Survey of Deep Learning-Based Human Activity Recognition in Radar. Remote Sensing, 2019, 11, 1068. | 4.0 | 172 |
| 48 | Pilot Contamination Attack Detection and Defense Strategy in Wireless Communications. IEEE Signal Processing Letters, 2019, 26, 938-942. | 3.6 | 5 |
| 49 | A Deep Multi-task Network for Activity Classification and Person Identification with Micro-Doppler Signatures. , 2019, , . | | 5 |
| 50 | GraphConvLSTM: Spatiotemporal Learning for Activity Recognition with Wearable Sensors. , 2019, , . | | 6 |
| 51 | Deeply-Fused Human Motion Recognition Network in Radar for In-Home Monitoring. , 2019, , . | | 0 |
| 52 | An Agile-Beam NOMA Scheme in Millimeter Wave Networks. IEEE Access, 2019, 7, 178187-178200. | 4.2 | 1 |
| 53 | Analysis of the Multiplexing Method of New System Navigation Signals of GPS III First Star L1 Frequency in China's Regional. Sensors, 2019, 19, 5360. | 3.8 | 1 |
| 54 | A Mutiscale Residual Attention Network for Multitask Learning of Human Activity Using Radar Micro-Doppler Signatures. Remote Sensing, 2019, 11, 2584. | 4.0 | 23 |

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| 55 | Multistage spectrum sensing scheme with SNR estimation. IET Communications, 2019, 13, 1148-1154. | 2.2 | 5 |
| 56 | A Novel Evaluation Scheme for Hypersingular Integrals over Triangular Patches. , 2019, , . | | 0 |
| 57 | Accurate Solution of Electromagnetic Problems with Thin Conducting Objects. , 2019, , . | | 1 |
| 58 | BiGRU Network for Human Activity Recognition in High Resolution Range Profile. , 2019, , . | | 3 |
| 59 | Programmable Weight Phased-Array Transmission for Secure Millimeter-Wave Wireless Communications. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 399-413. | 10.8 | 29 |
| 60 | Active Spoofing Attack Detection: An Eigenvalue Distribution and Forecasting Approach. , 2018, , . | | 1 |
| 61 | An Intelligent Human Behavior-Based Reasoning Model for Service Prediction in Smart Home. IEEE Access, 2018, 6, 68535-68544. | 4.2 | 5 |
| 62 | Interference Alignment Based Spectrum Sharing for MIMO Radar and Communication Systems. , 2018, , . | | 22 |
| 63 | Robust Collaborative Spectrum Sensing Using PHY-Layer Fingerprints in Mobile Cognitive Radio Networks. IEEE Communications Letters, 2017, 21, 1063-1066. | 4.1 | 18 |
| 64 | Palm vein recognition scheme based on an adaptive Gabor filter. IET Biometrics, 2017, 6, 325-333. | 2.5 | 38 |
| 65 | Phase Retrieval Motivated Nonlinear MIMO Communication With Magnitude Measurements. IEEE Transactions on Wireless Communications, 2017, 16, 5452-5466. | 9.2 | 18 |
| 66 | Wireless Physical Layer Characteristics Based Random Number Generator: Hijack Attackers. , 2017, , . | | 1 |
| 67 | Study on Magnetic Domain Structure of Co/Pt Dots Array. Chinese Journal of Electronics, 2017, 26, 654-657. | 1.5 | 2 |
| 68 | Inverted antenna subset transmission technique for secure millimeter-wave wireless communication. , 2017, , . | | 2 |
| 69 | Interference alignment based precoder-decoder design for radar-communication co-existence. , 2017, , . | | 9 |
| 70 | On massive MIMO performance with a pilot assignment approach based on Hungarian method. , 2016, , . | | 6 |
| 71 | An improved energy detection algorithm based on signal correlation in cognitive radio. , 2016, , . | | 1 |
| 72 | Mapping millimeter wave propagation to 5G physical layer: A brief review and look forward. , 2016, , . | | 4 |

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| 73 | Frequency Selective Convolutional Neural Networks for Traffic Sign Recognition. , 2016, , . | | 1 |
| 74 | Hierarchical fusion-based cooperative spectrum sensing scheme in cognitive radio networks. , 2016, , . | | 2 |
| 75 | Principle component analysis based cooperative spectrum sensing in cognitive radio. , 2016, , . | | 11 |
| 76 | Dynamic power allocation for spectrum sharing in interference alignment (IA)-based cognitive radio. , 2016, , . | | 0 |
| 77 | Throughput performance improvement in cognitive radio networks based on spectrum prediction. , 2016, , . | | 10 |
| 78 | DropConnect Regularization Method with Sparsity Constraint for Neural Networks. Chinese Journal of Electronics, 2016, 25, 152-158. | 1.5 | 24 |
| 79 | An effective MIMO detection scheme for future wireless HetNet based on MU-MIMO. , 2015, , . | | 0 |
| 80 | An improved channel estimation based on generalized DFT for OFDM system. , 2014, , . | | 0 |
| 81 | A Video-distribution Adaptive SON Architecture for HetNets in future cellular network. , 2014, , . | | 1 |
| 82 | A novel network based on TD-LTE for counter-terrorism emergency communication in urban area. , 2014, , . | | 0 |
| 83 | Sparse channel estimation in OFDM systems using improved smooth L0 algorithm. , 2014, , . | | 3 |
| 84 | An improved adaptive user classification algorithm for FFR scheme. , 2014, , . | | 0 |
| 85 | Variable length dominant Gabor local binary pattern (VLD-GLBP) for face recognition. , 2014, , . | | 1 |
| 86 | A glowworm swarm optimization based multi-constraint multicast tree spanning algorithm. , 2014, , . | | 1 |
| 87 | Bit allocation for quality scalability coding of H.264/SVC. , 2014, , . | | 0 |
| 88 | Frame level rate control based on support vector machine in HEVC. , 2014, , . | | 0 |
| 89 | A novel region-based image segmentation method using SVM and D-S evidence theory. , 2013, , . | | 0 |
| 90 | Combining SURF with MSER for image matching. , 2013, , . | | 5 |

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| 91 | BEM-Based Reconstruction of Time-Varying Sparse Channel in OFDM Systems. , 2013, , . | | 0 |
| 92 | An improvement ISAR range alignment algorithm. , 2013, , . | | 0 |
| 93 | An improved reconstruction method for compressive sensing based OFDM channel estimation. , 2013, , . | | 4 |
| 94 | P2P traffic identification based on transfer learning. , 2013, , . | | 1 |
| 95 | An Improved Region Division Allocation of Orthogonal Variable Spreading Factor Code in the Forward Link of WCDMA Network. , 2013, , . | | 0 |
| 96 | A Stable Expected Complexity Sphere Detection with IRA Enhancement. , 2013, , . | | 0 |
| 97 | Radio link monitoring measurements on restricted subframes in heterogeneous LTE-advanced system. , 2013, , . | | 0 |
| 98 | On using cooperative game theory to solve the wireless scalable video multicasting problem. , 2013, , . | | 5 |
| 99 | A Tree Pruning Algorithm for MIMO Sphere Decoding Based on Path Metric. , 2012, , . | | 1 |
| 100 | Range Migration Subaperture Algorithm for spotlight SAR in near space. , 2012, , . | | 1 |
| 101 | A method of the region of interest extraction based on orientation entropy. , 2011, , . | | 4 |
| 102 | Scheduling based resource optimization in networked modeling and simulation. , 2011, , . | | 0 |
| 103 | A novel algorithm for fingerprint singular points detection based on vecrot orthogonal theory. , 2011, , . | | 1 |
| 104 | GLCM-based fingerprint recognition algorithm. , 2011, , . | | 12 |
| 105 | A new algorithm of incomplete fingerprint segmentation based on LBP. , 2011, , . | | 0 |
| 106 | FPGA based mixture Gaussian background modeling and motion detection. , 2011, , . | | 5 |
| 107 | A variable parameter efficient μ-law improved proportionate affine projection algorithm. , 2011, , . | | 1 |
| 108 | An adaptive location algorithm for flexible indoor environment. , 2011, , . | | 2 |

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| 109 | Wavelet packet basis selection for JPEG2000 based on EBCOT modeling. , 2010, , . | | 0 |
| 110 | Spectral analysis based fingerprint image enhancement algorithm. , 2010, , . | | 5 |
| 111 | Fingerprint reference point location based on multi-scale analysis of wavelet. , 2010, , . | | 0 |
| 112 | A directional temporal error concealment algorithm for H.264. , 2010, , . | | 4 |
| 113 | Orthogonality analysis and improvement of MSE-OFDM system. , 2010, , . | | 0 |
| 114 | Adaptive hysteresis selection method in advanced E-UTRAN. , 2010, , . | | 1 |
| 115 | Modeling and simulation of position for the Stratospheric ISAR system. , 2010, , . | | 0 |
| 116 | Non-static TTI for UTRA LCR TDD. , 2010, , . | | 0 |
| 117 | A Dynamic Temporal Error Concealment Algorithm for H.264. , 2010, , . | | 3 |
| 118 | Low quality fingerprint image enhancement based on Gabor filter. , 2010, , . | | 4 |
| 119 | An adaptive fingerprint image segmentation algorithm based on multiple features. , 2010, , . | | 3 |
| 120 | A downlink ICIC method based on region in the LTE-Advanced system. , 2010, , . | | 11 |
| 121 | Genetic Algorithm for Scheduling of Interactive Tasks in Simulation Grid. , 2010, , . | | 3 |
| 122 | Non-Uniform LDPC for Multi-Bitplane in Distributed Video Coding. , 2009, , . | | 0 |
| 123 | Side-information-adaptive LDPC coding for distributed multi-view video coding over wireless sensor networks. , 2009, , . | | 0 |
| 124 | An approach to improve the ZS thinning algorithm. , 2009, , . | | 0 |
| 125 | Edge detection based on decision-level information fusion and its application in hybrid image filtering. , 0, , . | | 1 |