# Qun Wan

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 100 papers | 954 citations | 17 h-index | 27 g-index |
| 162 ext. papers | 1,285 ext. citations | 2.8 avg, IF | 4.91 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 100 | ISAR Moving Target Imaging Method Using Hy-ADMM and mm-GLRT. *IEEE Sensors Journal*, **2021**, 1-1 | 4 | 3 |
| 99 | Computationally Attractive and Location Robust Estimator for IoT Device Positioning. *IEEE Internet of Things Journal*, **2021**, 1-1 | 10.7 | 2 |
| 98 | Sparse Bayesian Inference-Based Direct Off-Grid Position Determination in Multipath Environments. *IEEE Wireless Communications Letters*, **2021**, 10, 1148-1152 | 5.9 | 2 |
| 97 | Time-Delay-Based Target Localization in Wireless Sensor Network With Unknown Noise Covariance **2021**, 5, 1-4 | | 2 |
| 96 | A Novel 3-D Localization Scheme Using 1-D Angle Measurements **2020**, 4, 1-4 | | 5 |
| 95 | Time-Difference-of-Arrival Estimation Algorithms by Employing Cyclostationary Property of LFM Signals **2020**, 4, 1-4 | | 0 |
| 94 | An Alternating Minimization Algorithm for 3-D Target Localization Using 1-D AOA Measurements **2020**, 1-1 | | |
| 93 | Eigenspace Solution for AOA Localization in Modified Polar Representation. *IEEE Transactions on Signal Processing*, **2020**, 68, 2256-2271 | 4.8 | 17 |
| 92 | TDOA/FDOA estimation algorithm of frequency-hopping signals based on CAF coherent integration. *IET Communications*, **2020**, 14, 331-336 | 1.3 | 3 |
| 91 | Closed-Form Localization Method for Moving Target in Passive Multistatic Radar Network. *IEEE Sensors Journal*, **2020**, 20, 980-990 | 4 | 6 |
| 90 | Transfer Learning for Wireless Fingerprinting Localization Based on Optimal Transport. *Sensors*, **2020**, 20, | 3.8 | 1 |
| 89 | Calibrating the error from sensor position uncertainty in TDOA-AOA localization. *Signal Processing*, **2020**, 166, 107213 | 4.4 | 12 |
| 88 | DL-RNN: An Accurate Indoor Localization Method via Double RNNs. *IEEE Sensors Journal*, **2020**, 20, 286-295 | 4 | 12 |
| 87 | DOA Estimation Using Single or Dual Reception Channels Based on Cyclostationarity. *IEEE Access*, **2019**, 7, 54787-54795 | 3.5 | 8 |
| 86 | Robust Polarimetric SAR Imaging Method With Attributed Scattering Characterization. *IEEE Access*, **2019**, 7, 52414-52426 | 3.5 | 2 |
| 85 | High Resolution Direct Detection and Position Determination of Sources With Intermittent Emission. *IEEE Access*, **2019**, 7, 43428-43437 | 3.5 | 7 |
| 84 | DOA estimation of multipath signals in the presence of gain-phase errors using an auxiliary source. *IEEJ Transactions on Electrical and Electronic Engineering*, **2019**, 14, 1114-1121 | 1 | 1 |

| | | | |
|---|---|---|---|
| 83 | A Fast Algorithm of Direct Position Determination Using TDOA and FDOA. *Journal of Physics: Conference Series*, **2019**, 1169, 012014 | 0.3 | |
| 82 | Clustered Sparsity-Driven SAR Imaging and Autofocus Algorithm in Structured Phase-Noisy Environments. *IEEE Access*, **2019**, 7, 70200-70211 | 3.5 | 1 |
| 81 | Spectrum Prediction in Cognitive Radio Based on Sequence to Sequence Neural Network. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 343-354 | 0.2 | |
| 80 | The Recursive Spectral Bisection Probability Hypothesis Density Filter. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 47-56 | 0.2 | |
| 79 | Enhanced Interferometer DOA Estimator for Signal with Known Waveform **2019**, | | 1 |
| 78 | A TDOA-FDOA Localization Method in Closed-form Based on Deviation Refining **2019**, | | 1 |
| 77 | Weighted Least-square Method for A Novel 3D Localization Scheme Using 1D AOA Measurements **2019**, | | 1 |
| 76 | Solution and Analysis of TDOA Localization of a Near or Distant Source in Closed Form. *IEEE Transactions on Signal Processing*, **2019**, 67, 320-335 | 4.8 | 60 |
| 75 | Wireless Sensor Network-Based Localization Method Using TDOA Measurements in MPR. *IEEE Sensors Journal*, **2019**, 19, 3741-3750 | 4 | 19 |
| 74 | An Iterative Method for Moving Target Localization Using TDOA and FDOA Measurements. *IEEE Access*, **2018**, 6, 2746-2754 | 3.5 | 16 |
| 73 | Joint Synchronization and Localization in Wireless Sensor Networks Using Semidefinite Programming. *IEEE Internet of Things Journal*, **2018**, 5, 199-205 | 10.7 | 33 |
| 72 | Automatic Modulation Recognition for Phase Shift Keying Signals With Compressive Measurements. *IEEE Wireless Communications Letters*, **2018**, 7, 194-197 | 5.9 | 7 |
| 71 | Robust Widely Linear Beamforming via the Techniques of Iterative QCQP and Shrinkage for Steering Vector Estimation. *IEEE Access*, **2018**, 6, 17143-17152 | 3.5 | 8 |
| 70 | A novel adaptive wide-angle SAR imaging algorithm based on Boltzmann machine model. *Multidimensional Systems and Signal Processing*, **2018**, 29, 119-135 | 1.8 | 4 |
| 69 | MRF model-based joint interrupted SAR imaging and coherent change detection via variational Bayesian inference. *Signal Processing*, **2018**, 151, 144-154 | 4.4 | 19 |
| 68 | A Noise Reduction Fingerprint Feature for Indoor Localization **2018**, | | 7 |
| 67 | Position Determination for Moving Transmitter Using Single Station. *IEEE Access*, **2018**, 6, 61103-61116 | 3.5 | 5 |
| 66 | Source Association, DOA, and Fading Coefficients Estimation for Multipath Signals. *IEEE Transactions on Signal Processing*, **2017**, 65, 2773-2786 | 4.8 | 29 |

| | | | |
|---|---|---|---|
| 65 | Multidimensional scaling-based passive emitter localisation from time difference of arrival measurements with sensor position uncertainties. *IET Signal Processing*, **2017**, 11, 43-50 | 1.7 | 6 |
| 64 | Cyclic Feature-Based Modulation Recognition Using Compressive Sensing. *IEEE Wireless Communications Letters*, **2017**, 6, 402-405 | 5.9 | 19 |
| 63 | DOA and Gain-Phase Errors Estimation for Noncircular Sources With Central Symmetric Array. *IEEE Sensors Journal*, **2017**, 17, 3068-3078 | 4 | 11 |
| 62 | Polarimetric object-level SAR imaging method with canonical scattering characterisation by exploiting joint sparsity. *IET Radar, Sonar and Navigation*, **2017**, 11, 1558-1566 | 1.4 | 6 |
| 61 | . *IEEE Access*, **2017**, 5, 23111-23120 | 3.5 | 27 |
| 60 | DOA estimation under the existence of multiple groups of coherent signals with ULA. *Electronics Letters*, **2017**, 53, 562-564 | 1.1 | 1 |
| 59 | Emitter source localization using time-of-arrival measurements from single moving receiver **2017**, | | 7 |
| 58 | Direct TDOA geolocation of multiple frequency-hopping emitters in flat fading channels. *IET Signal Processing*, **2017**, 11, 80-85 | 1.7 | 15 |
| 57 | Adaptive beamforming algorithms with robustness against steering vector mismatch of signals. *IET Radar, Sonar and Navigation*, **2017**, 11, 1831-1838 | 1.4 | 6 |
| 56 | A Tensor Decomposition Based Multiway Structured Sparse SAR Imaging Algorithm with Kronecker Constraint. *Algorithms*, **2017**, 10, 2 | 1.8 | 2 |
| 55 | Stable Analysis of Compressive Principal Component Pursuit. *Algorithms*, **2017**, 10, 29 | 1.8 | |
| 54 | Automatic Modulation Recognition Using Compressive Cyclic Features. *Algorithms*, **2017**, 10, 92 | 1.8 | |
| 53 | Object-level SAR imaging method with canonical scattering characterisation and inter-subdictionary interferences mitigation. *IET Radar, Sonar and Navigation*, **2016**, 10, 784-790 | 1.4 | 6 |
| 52 | Geometric algebra in electronics and information engineering: An introduction. *International Journal of Electrical Engineering and Education*, **2016**, 53, 252-269 | 0.6 | 1 |
| 51 | Frequency Estimation of Sinusoidal Signals in Multiplicative and Additive Noise. *IEEE Journal of Oceanic Engineering*, **2016**, 41, 810-819 | 3.3 | 8 |
| 50 | A Simple and Accurate TDOA-AOA Localization Method Using Two Stations. *IEEE Signal Processing Letters*, **2016**, 23, 144-148 | 3.2 | 98 |
| 49 | 3D hybrid TOA-AOA source localization using an active and a passive station **2016**, | | 6 |
| 48 | Asynchronous Time-of-Arrival-Based Source Localization With Sensor Position Uncertainties. *IEEE Communications Letters*, **2016**, 20, 1860-1863 | 3.8 | 39 |

| | | | |
|---|---|---|---|
| 47 | Double-constraint flexible tree search-based orthogonal matching pursuit for DOA estimation using dynamic sensor arrays. *International Journal of Electronics*, **2015**, 1-9 | 1.2 | |
| 46 | Improved MUSIC Algorithm for Multiple Noncoherent Subarrays. *IEEE Signal Processing Letters*, **2014**, 21, 527-530 | 3.2 | 44 |
| 45 | Multiple frequencies estimation from compressive phase-only data: performance analysis. *International Journal of Electronics*, **2014**, 101, 121-132 | 1.2 | 1 |
| 44 | A theoretical framework for quantum image representation and data loading scheme. *Science China Information Sciences*, **2014**, 57, 1-11 | 3.4 | 5 |
| 43 | Compressive slow-varying wideband power spectrum sensing for cognitive radio. *Annales Des Telecommunications/Annals of Telecommunications*, **2014**, 69, 559-567 | 2 | 2 |
| 42 | Robust Capon beamforming exploiting the second-order noncircularity of signals. *Signal Processing*, **2014**, 102, 100-111 | 4.4 | 14 |
| 41 | Variable is better than invariable: sparse VSS-NLMS algorithms with application to adaptive MIMO channel estimation. *Scientific World Journal, The*, **2014**, 2014, 274897 | 2.2 | 4 |
| 40 | Fast DOA estimation algorithm for noncircular sources with central symmetrical array **2014**, | | 3 |
| 39 | Automatic Modulation Recognition of PSK signals using nonuniform compressive samples based on high order statistics **2014**, | | 3 |
| 38 | Feature extraction of sar target in clutter based on peak region segmentation and regularized orthogonal matching pursuit **2014**, | | 3 |
| 37 | CRLB for DOA Estimation in Gaussian and Non-Gaussian Mixed Environments. *Wireless Personal Communications*, **2013**, 68, 1673-1688 | 1.9 | 5 |
| 36 | A novel indoor positioning method based on location fingerprinting **2013**, | | 3 |
| 35 | An angle difference of directions arrival algorithm with channel inconsistency. *International Journal of Electronics*, **2013**, 100, 312-318 | 1.2 | 3 |
| 34 | Multiple frequencies estimation from compressive phase-only data: algorithm and application. *International Journal of Electronics*, **2013**, 100, 1471-1482 | 1.2 | 1 |
| 33 | Restricted Isometry Property of Principal Component Pursuit with Reduced Linear Measurements. *Journal of Applied Mathematics*, **2013**, 2013, 1-6 | 1.1 | |
| 32 | Maximum likelihood and signal-selective TDOA estimation for noncircular signals. *Journal of Communications and Networks*, **2013**, 15, 245-251 | 4.1 | 10 |
| 31 | Direction-of-arrival estimation based on magnitude-only samples with partly calibrated sensors array. *International Journal of Electronics Letters*, **2013**, 1, 18-23 | 0.6 | |
| 30 | Robust approach for channel estimation in power line communication. *Journal of Communications and Networks*, **2012**, 14, 237-242 | 4.1 | 10 |

| | | | |
|---|---|---|---|
| 29 | Collaborative Beamforming for Wireless Sensor Networks with Arbitrary Distributed Sensors. *IEEE Communications Letters*, **2012**, 16, 1118-1120 | 3.8 | 33 |
| 28 | Analysis of TDOA and TDOA/SS based geolocation techniques in a non-line-of-sight environment. *Journal of Communications and Networks*, **2012**, 14, 533-539 | 4.1 | 11 |
| 27 | Sidelobe Suppression for Robust Beamformer Via the Mixed Norm Constraint. *Wireless Personal Communications*, **2012**, 65, 825-832 | 1.9 | 3 |
| 26 | Passive time delay estimation for complex noncircular signals **2012**, | | 1 |
| 25 | Sidelobe Suppression for Robust Capon Beamforming With Mainlobe-to-Sidelobe Power Ratio Maximization. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 1218-1221 | 3.8 | 7 |
| 24 | Sidelobe Suppression for Blind Adaptive Beamforming with Sparse Constraint. *IEEE Communications Letters*, **2011**, 15, 343-345 | 3.8 | 15 |
| 23 | Robust DOA Estimation for Uncorrelated and Coherent Signals. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2011**, E94-A, 2035-2038 | 0.4 | 3 |
| 22 | Sparse signal recovery with OMP algorithm using sensing measurement matrix. *IEICE Electronics Express*, **2011**, 8, 285-290 | 0.5 | 18 |
| 21 | Greedy approach to sparse multi-path channel estimation using sensing dictionary. *International Journal of Adaptive Control and Signal Processing*, **2011**, 25, 544-553 | 2.8 | |
| 20 | DOA Estimation in Mechanical Scanning Radar Systems Using Sparse Signal Reconstruction Methods **2011**, | | 1 |
| 19 | A robust beamformer with virtual array **2011**, | | 2 |
| 18 | A Novel GPS Antijamming Receiver Based on Noncircularity. *Journal of Electrical and Computer Engineering*, **2010**, 2010, 1-4 | 1.9 | |
| 17 | Robust adaptive beamforming under quadratic constraint **2010**, | | 1 |
| 16 | One Bit Support Recovery **2010**, | | 2 |
| 15 | Multidimensional Scaling Analysis for Passive Moving Target Localization With TDOA and FDOA Measurements. *IEEE Transactions on Signal Processing*, **2010**, 58, 1677-1688 | 4.8 | 75 |
| 14 | Indoor Localization Error Measurements with Multiple Channels **2010**, | | 3 |
| 13 | Biased time-of-arrival-based location dominating linear-least-squares estimation **2010**, | | 1 |
| 12 | Source localization using a sparse representation framework to achieve superresolution. *Multidimensional Systems and Signal Processing*, **2010**, 21, 391-402 | 1.8 | 18 |

# List of Publications

| | | | |
|---|---|---|---|
| 11 | Low-complexity 2D coherently distributed sources decoupled DOAs estimation method. *Science in China Series F: Information Sciences*, **2009**, 52, 835-842 | | 18 |
| 10 | A Supplement to Multidimensional Scaling Framework for Mobile Location: A Unified View. *IEEE Transactions on Signal Processing*, **2009**, 57, 2030-2034 | 4.8 | 34 |
| 9 | Time Delay Estimation Based on Mutual Information Estimation **2009**, | | 1 |
| 8 | Designing Optimal UWB Pulse Waveform Directly by FIR Filter **2008**, | | 1 |
| 7 | 2-D DOAs estimation in impulsive noise environments using joint diagonalization fractional lower-order spatio-temporal matrices. *Science in China Series F: Information Sciences*, **2008**, 51, 1585-1593 | | 3 |
| 6 | Joint diagonalization DOA matrix method. *Science in China Series F: Information Sciences*, **2008**, 51, 1340-1348 | | 3 |
| 5 | Comments on "The Cramer-Rao Bounds of Hybrid TOA/RSS and TDOA/RSS Location Estimation Schemes". *IEEE Communications Letters*, **2007**, 11, 848-849 | 3.8 | 12 |
| 4 | Support Vector Regression for Basis Selection in Laplacian Noise Environment. *IEEE Signal Processing Letters*, **2007**, 14, 871-874 | 3.2 | 11 |
| 3 | Fast DOA Tracking of Coherently Distributed Sources Based on Subspace Updating **2006**, | | 2 |
| 2 | Parameters estimation of coherently distributed sources in the presence of mutual coupling **2006**, | | 1 |
| 1 | Mobile localization method based on multidimensional similarity analysis [cellular radio applications] | | 3 |