# Jun Won Choi

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 30 papers | 1,094 citations | 759233 12 h-index | 940533 16 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 1145 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Sequence-to-Sequence Prediction of Vehicle Trajectory via LSTM Encoder-Decoder Architecture. , 2018, , . | | 282 |
| 2 | Compressed Sensing for Wireless Communications: Useful Tips and Tricks. IEEE Communications Surveys and Tutorials, 2017, 19, 1527-1550. | 39.4 | 246 |
| 3 | Robust Beam-Tracking for mmWave Mobile Communications. IEEE Communications Letters, 2017, 21, 2654-2657. | 4.1 | 96 |
| 4 | Deep neural network-based automatic modulation classification technique. , 2016, , . | | 72 |
| 5 | Iterative Channel Estimation Using Virtual Pilot Signals for MIMO-OFDM Systems. IEEE Transactions on Signal Processing, 2015, 63, 3032-3045. | 5.3 | 60 |
| 6 | Downlink Pilot Precoding and Compressed Channel Feedback for FDD-Based Cell-Free Systems. IEEE Transactions on Wireless Communications, 2020, 19, 3658-3672. | 9.2 | 33 |
| 7 | Expectation-Maximization-Based Channel Estimation for Multiuser MIMO Systems. IEEE Transactions on Communications, 2017, 65, 2397-2410. | 7.8 | 31 |
| 8 | Robust Automatic Modulation Classification Technique for Fading Channels via Deep Neural Network. Entropy, 2017, 19, 454. | 2.2 | 31 |
| 9 | Downlink Pilot Reduction for Massive MIMO Systems via Compressed Sensing. IEEE Communications Letters, 2015, 19, 1889-1892. | 4.1 | 28 |
| 10 | Statistical Recovery of Simultaneously Sparse Time-Varying Signals From Multiple Measurement Vectors. IEEE Transactions on Signal Processing, 2015, 63, 6136-6148. | 5.3 | 28 |
| 11 | Low-Power Filtering Via Minimum Power Soft Error Cancellation. IEEE Transactions on Signal Processing, 2007, 55, 5084-5096. | 5.3 | 27 |
| 12 | Efficient Beam Training and Sparse Channel Estimation for Millimeter Wave Communications Under Mobility. IEEE Transactions on Communications, 2020, 68, 6583-6596. | 7.8 | 27 |
| 13 | Deep Learning-Based Beam Tracking for Millimeter-Wave Communications Under Mobility. IEEE Transactions on Communications, 2021, 69, 7458-7469. | 7.8 | 23 |
| 14 | New approach for massive MIMO detection using sparse error recovery. , 2014, , . | | 20 |
| 15 | Robust Deep Multi-modal Learning Based on Gated Information Fusion Network. Lecture Notes in Computer Science, 2019, , 90-106. | 1.3 | 18 |
| 16 | Deep neural network-based blind modulation classification for fading channels. , 2017, , . | | 17 |
| 17 | PCM: Precision-Controlled Memory System for Energy Efficient Deep Neural Network Training. , 2020, , . | | 10 |
| 18 | Emotion Recognition Using a Glasses-Type Wearable Device via Multi-Channel Facial Responses. IEEE Access, 2021, 9, 146392-146403. | 4.2 | 10 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Greedy Data-Aided Active User Detection for Massive Machine Type Communications. IEEE Wireless Communications Letters, 2019, 8, 1224-1227. | 5.0 | 6 |
| 20 | May I Cut Into Your Lane?: A Policy Network to Learn Interactive Lane Change Behavior for Autonomous Driving. , 2019, , . | | 5 |
| 21 | Enhanced modulation classification algorithm based on Kolmogorov-Smirnov test. , 2017, , . | | 4 |
| 22 | Estimation of Dynamically Varying Support of Sparse Signals via Sequential Monte-Carlo Method. IEEE Transactions on Signal Processing, 2020, 68, 4135-4147. | 5.3 | 4 |
| 23 | Channel sparsification beamforming for internet-of-things systems. , 2017, , . | | 3 |
| 24 | Feedback Reduction for Beyond 5G Cellular Systems. , 2019, , . | | 3 |
| 25 | Enhanced Object Detection in Bird's Eye View Using 3D Global Context Inferred From Lidar Point Data. , 2019, , . | | 3 |
| 26 | Comparison between Deep-Learning-Based Ultra-Wide-Field Fundus Imaging and True-Colour Confocal Scanning for Diagnosing Glaucoma. Journal of Clinical Medicine, 2022, 11, 3168. | 2.4 | 3 |
| 27 | Compressive sensing based pilot reduction technique for massive MIMO systems. , 2015, , . | | 2 |
| 28 | Dedicated Beam-based Channel Training Technique for Millimeter Wave Communications with high Mobility. , 2018, , . | | 2 |
| 29 | Kalman-based time-varying sparse channel estimation. , 2016, , . | | 0 |
| 30 | Design of Low-Power Voltage Scalable Arithmetic Units with Perfect Timing Error Cancelation. Circuits, Systems, and Signal Processing, 2017, 36, 4309-4325. | 2.0 | 0 |