# Muh-Tian Shiue

List of Publications by Year
in descending order

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|---|---|---|---|
| 46<br>papers | 206<br>citations | 1684188<br>5<br>h-index | 1588992<br>8<br>g-index |
| 46<br>all docs | 46<br>docs citations | 46<br>times ranked | 196<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | A Design of Input-Decimation Technique for Recursive DFT/IDFT Algorithm. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4713-4726. | 5.4 | 1 |
| 2 | A Low-Computation-Cycle Design of Input-Decimation Technique for RIDFT Algorithm. , 2019, , . | | 1 |
| 3 | A Bootstrapped Comparator-Switched Active Rectifying Circuit for Wirelessly Powered Integrated Miniaturized Energy Sensing Systems. Sensors, 2019, 19, 4714. | 3.8 | 3 |
| 4 | A body sensor node SoC for ECG/EMG applications with compressed sensing and wireless powering. , 2017, , . | | 1 |
| 5 | Data-rate-efficient CMOS modulator for wireless biomedical sensor network applications. International Journal of Microwave and Wireless Technologies, 2017, 9, 1-8. | 1.9 | 12 |
| 6 | Decision-Directed Beamforming and Channel Equalization Algorithm for IEEE 802.11n OFDM Systems. , 2016, , . | | 3 |
| 7 | Multiplication of a Constant $(2^k \approx \pm \approx 1)$ and Its Fast Hardware Implementation. Journal of Signal Processing Systems, 2016, 82, 41-53. | 2.1 | 0 |
| 8 | Design of digital baseband inner receiver for PLC system based on IEEE P1901 specification. , 2015, , . | | 1 |
| 9 | Design and implementation of the OFDM receiver for visible-light communication. , 2015, , . | | 2 |
| 10 | Efficient Algorithm and Fast Hardware Implementation for Multiply-by-$(1+2^k)$. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 966-974. | 0.3 | 0 |
| 11 | Design and Implementation of Power-Efficient K-Best MIMO Detector for Configurable Antennas. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2014, 22, 2418-2422. | 3.1 | 16 |
| 12 | FPGA prototyping for CORDIC-based OFDM baseband receiver. , 2014, , . | | 0 |
| 13 | CORDIC-based OFDM baseband receiver design. , 2014, , . | | 0 |
| 14 | A CMOS multichannel electrical stimulation prototype system. International Journal of Circuit Theory and Applications, 2013, 41, 238-258. | 2.0 | 6 |
| 15 | An inductive biomedical communication processing chain. , 2013, , . | | 0 |
| 16 | Low-cost parallel FFT processors with conflict-free ROM-based twiddle factor generator for DVB-T2 applications. , 2013, , . | | 4 |
| 17 | Design of antenna-configurable MIMO detector with high speed sorting architectures. , 2012, , . | | 1 |
| 18 | On investigation into A CMOS-process-based high-voltage driver applied to implantable microsystem. , 2012, , . | | 2 |

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|---|---------|----|-----------| 
| 19 | An impedance measurement analog front end for wirelessly bioimplantable applications. , 2012, , . | | 0 |
| 20 | I/Q imbalance compensation and channel equalization algorithm for MISO-OFDM systems. , 2012, , . | | 1 |
| 21 | Self-powered integrated rectifier for wireless medical energy harvesting applications. , 2011, , . | | 2 |
| 22 | Design of a neural recording amplifier with tunable pseudo resistors. , 2011, , . | | 4 |
| 23 | Joint Carrier Synchronization and Equalization Algorithm for Packet-Based OFDM Systems Over the Multipath Fading Channel. IEEE Transactions on Vehicular Technology, 2010, 59, 248-260. | 6.3 | 17 |
| 24 | DHT-Based OFDM System for Passband Transmission Over Frequency-Selective Channel. IEEE Signal Processing Letters, 2010, 17, 699-702. | 3.6 | 14 |
| 25 | Joint Carrier Synchronization and Equalization Algorithm for OFDM Systems -- Closed-Loop Derivation. , 2009, , . | | 1 |
| 26 | Cost efficient FEQ implementation for IEEE 802.16a OFDM transceiver. , 2009, , . | | 1 |
| 27 | 10Gbps decision feedback equalizer with dynamic lookahead decision loop. , 2009, , . | | 7 |
| 28 | A low complexity real-valued kernel DHT-based OFDM modulator/demodulator design. , 2009, , . | | 1 |
| 29 | Joint Carrier Synchronization and Equalization Algorithm for OFDM Systems - Loop-Delay Analysis and Complexity Consideration. , 2009, , . | | 1 |
| 30 | On the DHT-based multicarrier tranceiver over multipath fading channel. , 2009, , . | | 6 |
| 31 | A low power and variable-length FFT processor design for flexible MIMO OFDM systems. , 2009, , . | | 10 |
| 32 | A chopper stabilized front-end for neural recording applications with DC-drift suppressed amplifier. , 2009, , . | | 2 |
| 33 | A differential difference amplifier for neural recording system with tunable low-frequency cutoff. , 2008, , . | | 6 |
| 34 | A 28mW OFDM baseband receiver chip for DVB-T/H with all digital synchronization. , 2008, , . | | 2 |
| 35 | A 256-point dataflow scheduling 2&#x00D7;2 MIMO FFT/IFFT processor for IEEE 802.16 WMAN. , 2008, , . | | 10 |
| 36 | A Miniaturized PSK Demodulation Device for Short-Range Wireless Neural Prosthetic Systems. , 2008, , . | | 4 |

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|---|---------|-----|-----------|
| 37 | Efficient CMOS rectifier for inductively power-harvested implants. , 2008, , . | | 2 |
| 38 | A Truly Low-Cost High-Efficiency ASK Demodulator Based on Self-Sampling Scheme for Bioimplantable Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1464-1477. | 5.4 | 38 |
| 39 | A compact and low-power SRAM with improved read static noise margin. , 2008, , . | | 0 |
| 40 | An efficiency-enhanced CMOS voltage regulator module for bio-electronic implants. , 2008, , . | | 1 |
| 41 | Joint Carrier Synchronization and Equalization for OFDM Systems Over Multipath Fading Channel. , 2008, , . | | 6 |
| 42 | A pseudo-flash ADC for large-channel-volume biomedical sensing applications. , 2008, , . | | 2 |
| 43 | Design And Implementation Of A Monolithic Programme-Controlled System For Retinal Prosthesis. , 2006, , . | | 4 |
| 44 | An Efficient Micro-Stimulator Array Using Unitary-Size DAC With Adiabatic Baseband Scheme. , 2006, , . | | 4 |
| 45 | A VLSI design of dual-loop automatic gain control for dual-mode QAM/VSB CATV modem. , 0, , . | | 5 |
| 46 | A hardware efficient 64-QAM low-IF transceiver baseband for broadband communications. , 0, , . | | 2 |