

# Mo Huang

## List of Publications by Year in descending order

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56  
papers

1,024  
citations

567281

15  
h-index

477307

29  
g-index

56  
all docs

56  
docs citations

56  
times ranked

798  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A Fully Integrated Digital LDO With Coarse-Fine-Tuning and Burst-Mode Operation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 683-687.                      | 3.0 | 116       |
| 2  | A Wide Input Range Dual-Path CMOS Rectifier for RF Energy Harvesting. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 166-170.                                 | 3.0 | 111       |
| 3  | An Analog-Assisted Tri-Loop Digital Low-Dropout Regulator. IEEE Journal of Solid-State Circuits, 2018, 53, 20-34.  | 5.4 | 88        |
| 4  | A Reconfigurable Bidirectional Wireless Power Transceiver for Battery-to-Battery Wireless Charging. IEEE Transactions on Power Electronics, 2019, 34, 7745-7753.                       | 7.9 | 63        |
| 5  | 20.4 An output-capacitor-free analog-assisted digital low-dropout regulator with tri-loop control. , 2017, , .   |     | 55        |
| 6  | Single- and Dual-Band RF Rectifiers with Extended Input Power Range Using Automatic Impedance Transforming. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1974-1984. | 4.6 | 52        |
| 7  | Limit Cycle Oscillation Reduction for Digital Low Dropout Regulators. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 903-907.                                 | 3.0 | 49        |
| 8  | A Fully Integrated FVF-Based Low-Dropout Regulator With Wide Load Capacitance and Current Ranges. IEEE Transactions on Power Electronics, 2019, 34, 11880-11888.                       | 7.9 | 43        |
| 9  | A Dual-Output Wireless Power Transfer System With Active Rectifier and Three-Level Operation. IEEE Transactions on Power Electronics, 2017, 32, 927-930.                               | 7.9 | 35        |
| 10 | Design of Compact Dual-Band RF Rectifiers for Wireless Power Transfer and Energy Harvesting. IEEE Access, 2020, 8, 184901-184908.  | 4.2 | 33        |
| 11 | A 312 ps response-time LDO with enhanced super source follower in 28Ånm CMOS. Electronics Letters, 2016, 52, 1368-1370.  | 1.0 | 30        |
| 12 | A Two-Phase Three-Level Buck Converter With Cross-Connected Flying Capacitors for Inductor Current Balancing. IEEE Transactions on Power Electronics, 2021, 36, 13855-13866.           | 7.9 | 24        |
| 13 | 22.4 A reconfigurable bidirectional wireless power transceiver with maximum-current charging mode and 58.6% battery-to-battery efficiency. , 2017, , .                                 |     | 21        |
| 14 | An Overview of Regulation Topologies in Resonant Wireless Power Transfer Systems for Consumer Electronics or Bio-Implants. Energies, 2018, 11, 1737.                                   | 3.1 | 20        |
| 15 | An Analog-Proportional Digital-Integral Multiloop Digital LDO With PSR Improvement and LCO Reduction. IEEE Journal of Solid-State Circuits, 2020, , 1-14.                              | 5.4 | 20        |
| 16 | A Hybrid Boost Converter With Cross-Connected Flying Capacitors. IEEE Journal of Solid-State Circuits, 2021, 56, 2102-2112.  | 5.4 | 18        |
| 17 | Design of Balanced Filtering Rat-Race Coupler Based on Quad-Mode Dielectric Resonator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2267-2271.              | 3.0 | 17        |
| 18 | Review of Analog-Assisted-Digital and Digital-Assisted-Analog Low Dropout Regulators. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 24-29.                   | 3.0 | 15        |

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|----|---|-----|-----------|
| 19 | 11.5 A 2-Phase Soft-Charging Hybrid Boost Converter with Doubled-Switching Pulse Width and Shared Bootstrap Capacitor Achieving 93.5% Efficiency at a Conversion Ratio of 4.5. , 2020, , .                                |     | 15        |
| 20 | A sub-1V 78-nA bandgap reference with curvature compensation. Microelectronics Journal, 2017, 63, 35-40.  | 2.0 | 14        |
| 21 | A Two-Phase Three-Level Buck DC-DC Converter With X-Connected Flying Capacitors for Current Balancing. IEEE Solid-State Circuits Letters, 2020, 3, 442-445.   | 2.0 | 14        |
| 22 | A Hybrid Single-Inductor Bipolar-Output DC-DC Converter With Floating Negative Output for AMOLED Displays. IEEE Journal of Solid-State Circuits, 2021, 56, 2760-2769.   | 5.4 | 13        |
| 23 | An Analog-Proportional Digital-Integral Multi-Loop Digital LDO with Fast Response, Improved PSR and Zero Minimum Load Current. , 2019, , .  |     | 12        |
| 24 | Design of Sparse FIR Filters With Reduced Effective Length. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1496-1506.   | 5.4 | 11        |
| 25 | A 2.4-GHz Mid-Field CMOS Wireless Power Receiver Achieving 46% Maximum PCE and 163-mW Output Power. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 360-364.                                      | 3.0 | 11        |
| 26 | A CMOS Delta-Sigma PLL Transmitter with Efficient Modulation Bandwidth Calibration. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1716-1725.   | 5.4 | 10        |
| 27 | A 4A 12-to-1 Flying Capacitor Cross-Connected DC-DC Converter with Inserted $>0.5$ Control Achieving $>2\times$ Transient Inductor Current Slew Rate and 0.73Å— Theoretical Minimum Output Undershoot of DSD. , 2022, , . |     | 10        |
| 28 | A power-efficient, 3-band, 2-RX MIMO, TD-LTE receiver with direct-coupled ADC. International Journal of Circuit Theory and Applications, 2015, 43, 806-821.   | 2.0 | 8         |
| 29 | Partial analogue-assisted digital low dropout regulator with transient body-drive and 2.5Å— FOM improvement. Electronics Letters, 2018, 54, 282-283.  | 1.0 | 8         |
| 30 | A comparative study of digital low dropout regulators. Journal of Semiconductors, 2020, 41, 111405.   | 3.7 | 8         |
| 31 | PID Control Considerations for Analog-Digital Hybrid Low-Dropout Regulators (Invited Paper). , 2019, , .  |     | 7         |
| 32 | A tri-band, 2-RX MIMO, 1-TX TD-LTE CMOS transceiver. Microelectronics Journal, 2015, 46, 59-66.   | 2.0 | 6         |
| 33 | Sparse FIR Filter Design Based on Interpolation Technique. , 2018, , .  |     | 6         |
| 34 | Cascaded Form Sparse FIR Filter Design. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 1692-1703.   | 5.4 | 6         |
| 35 | A 23-pW NMOS-Only Voltage Reference With Optimum Body Selection for Process Compensation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4213-4217.  | 3.0 | 6         |
| 36 | A digital LDO with transient enhancement and limit cycle oscillation reduction. , 2016, , .   |     | 5         |

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|----|---|-----|-----------|
| 37 | Sparse FIR Filter Design Based on Cascaded Compensation Structure. , 2019, , .  |     | 5         |
| 38 | RF Rectifiers With Wide Incident Angle of Incoming Waves Based on Rat-Race Couplers. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1983-1993.   | 4.6 | 5         |
| 39 | A Power-Efficient Hybrid Single-Inductor Bipolar-Output DC-DC Converter with Floating Negative Output for AMOLED Displays. , 2020, , .  |     | 4         |
| 40 | A 2.4-GHz CMOS Differential Class-DE Rectifier With Coupled Inductors. IEEE Transactions on Power Electronics, 2021, 36, 9864-9875.   | 7.9 | 4         |
| 41 | A Low Cost BLE Transceiver with RX Matching Network Reusing PA Load Inductor for WSNs Applications. Sensors, 2017, 17, 895.   | 3.8 | 3         |
| 42 | An Overview of Digital Low Drop-out Regulator Design. , 2018, , .   |     | 3         |
| 43 | A Branch-and-Bound Algorithm with Reduced Search Space for Sparse Filter Design. , 2018, , .  |     | 3         |
| 44 | A 0.5-V-supply, 37.8-nW, 17.6-ppm/°C switched-capacitor bandgap reference with second-order curvature compensation. Microelectronics Journal, 2019, 87, 136-143.  | 2.0 | 3         |
| 45 | Adaptive Maximum Power Point Tracking With Model-Based Negative Feedback Control and Improved $V_{\text{MPP}}$ Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3103-3107.            | 3.0 | 3         |
| 46 | A Fast Response Digital Low-Dropout Regulator Based on Enhanced Analog Assisted Loop. , 2020, , .   |     | 3         |
| 47 | A compact I/Q imbalance calibration technique for power-aware fully-integrated receiver without on-chip baseband processor. , 2015, , .   |     | 2         |
| 48 | A 10.2- $\mu$ W multi-mode continuous-time $\Sigma\Delta$ ADC with 70-dB DR and 0.7- $\mu$ s bandwidth for TD-SCDMA and LTE digital receivers. Analog Integrated Circuits and Signal Processing, 2016, 89, 395-410. | 1.4 | 2         |
| 49 | A digital IQ imbalance self-calibration in FDD transceiver. , 2017, , .   |     | 2         |
| 50 | A four-band TD-LTE transmitter with wide dynamic range and LPF bandwidth calibration. , 2017, , .   |     | 1         |
| 51 | Multi-objective Optimization of Joint Power Allocation and Splitting Control for SWIPT-enabled NOMA Systems. , 2019, , .  |     | 1         |
| 52 | An all-factor modulation bandwidth extension technique for delta-sigma PLL transmitter. , 2015, , .   |     | 0         |
| 53 | Backscattering in multicycle Q-modulation for bio-implants wireless power transfer. , 2017, , .   |     | 0         |
| 54 | Inverter-Based Fast Transient Response Capacitor-Less LDO. , 2019, , .  |     | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Design Considerations on Integrated Rectifiers with High Efficiency and Wide Input Power Range for RF Energy Harvesting. , 2019, , .  |     | 0         |
| 56 | A Capacitor-Cross-Connected Boost Converter With Duty Cycle &lt; 0.5 Control for Extended Conversion-Ratio and Soft Start-Up. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 4272-4283. | 5.4 | 0         |