Mo Huang

List of Publications by Year
in descending order

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56	1,024	567281	477307
papers	citations	15	29
		h-index	g-index

56	56	56	798
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	A 4A 12-to-1 Flying Capacitor Cross-Connected DC-DC Converter with Inserted D>0.5 Control Achieving >2x Transient Inductor Current Slew Rate and 0.73Ã— Theoretical Minimum Output Undershoot of DSD. , 2022, , .		10
3	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
4	A Capacitor-Cross-Connected Boost Converter With Duty Cycle < 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
5	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
6	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
7	A Hybrid Boost Converter With Cross-Connected Flying Capacitors. IEEE Journal of Solid-State Circuits, 2021, 56, 2102-2112.	5.4	18
8	A Hybrid Single-Inductor Bipolar-Output DCâ€“DC Converter With Floating Negative Output for AMOLED Displays. IEEE Journal of Solid-State Circuits, 2021, 56, 2760-2769.	5.4	13
9	A 2.4-GHz CMOS Differential Class-DE Rectifier With Coupled Inductors. IEEE Transactions on Power Electronics, 2021, 36, 9864-9875.	7.9	4
10	Adaptive Maximum Power Point Tracking With Model-Based Negative Feedback Control and Improved Vâ€“f Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3103-3107.	3.0	3
11	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
12	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
13	Design of Compact Dual-Band RF Rectifiers for Wireless Power Transfer and Energy Harvesting. IEEE Access, 2020, 8, 184901-184908.	4.2	33
14	A Two-Phase Three-Level Buck DCâ€“DC Converter With X-Connected Flying Capacitors for Current Balancing. IEEE Solid-State Circuits Letters, 2020, 3, 442-445.	2.0	14
15	A Power-Efficient Hybrid Single-Inductor Bipolar-Output DC-DC Converter with Floating Negative Output for AMOLED Displays. , 2020, , .		4
16	Cascaded Form Sparse FIR Filter Design. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 1692-1703.	5.4	6
17	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
18	A comparative study of digital low dropout regulators. Journal of Semiconductors, 2020, 41, 111405.	3.7	8

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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 Fast Response Digital Low-Dropout Regulator Based on Enhanced Analog Assisted Loop. , 2020, , .		3
21	Inverter-Based Fast Transient Response Capacitor-Less LDO. , 2019, , .		0
22	PID Control Considerations for Analog-Digital Hybrid Low-Dropout Regulators (Invited Paper). , 2019, , .		7
23	An Analog-Proportional Digital-Integral Multi-Loop Digital LDO with Fast Response, Improved PSR and Zero Minimum Load Current. , 2019, , .		12
24	Sparse FIR Filter Design Based on Cascaded Compensation Structure. , 2019, , .		5
25	Multi-objective Optimization of Joint Power Allocation and Splitting Control for SWIPT-enabled NOMA Systems. , 2019, , .		1
26	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
27	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
28	A 0.5-V-supply, 37.8-nW, 17.6-ppm/Â°C switched-capacitor bandgap reference with second-order curvature compensation. Microelectronics Journal, 2019, 87, 136-143.	2.0	3
29	Design Considerations on Integrated Rectifiers with High Efficiency and Wide Input Power Range for RF Energy Harvesting. , 2019, , .		0
30	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
31	A Reconfigurable Bidirectional Wireless Power Transceiver for Battery-to-Battery Wireless Charging. IEEE Transactions on Power Electronics, 2019, 34, 7745-7753.	7.9	63
32	Partial analogueâ€assisted digital low dropout regulator with transient bodyâ€drive and 2.5Ã— FOM improvement. Electronics Letters, 2018, 54, 282-283.	1.0	8
33	An Analog-Assisted Tri-Loop Digital Low-Dropout Regulator. IEEE Journal of Solid-State Circuits, 2018, 53, 20-34.	5.4	88
34	Sparse FIR Filter Design Based on Interpolation Technique. , 2018, , .		6
35	An Overview of Digital Low Drop-out Regulator Design. , 2018, , .		3
36	A Branch-and-Bound Algorithm with Reduced Search Space for Sparse Filter Design. , 2018, , .		3

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37	An Overview of Regulation Topologies in Resonant Wireless Power Transfer Systems for Consumer Electronics or Bio-Implants. Energies, 2018, 11, 1737.	3.1	20
38	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
39	22.4 A reconfigurable bidirectional wireless power transceiver with maximum-current charging mode and 58.6% battery-to-battery efficiency. , 2017, , .		21
40	A sub-1V 78-nA bandgap reference with curvature compensation. Microelectronics Journal, 2017, 63, 35-40.	2.0	14
41	20.4 An output-capacitor-free analog-assisted digital low-dropout regulator with tri-loop control. , 2017, , .		55
42	A digital IQ imbalance self-calibration in FDD transceiver. , 2017, , .		2
43	A four-band TD-LTE transmitter with wide dynamic range and LPF bandwidth calibration. , 2017, , .		1
44	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
45	Backscattering in multicycle Q-modulation for bio-implants wireless power transfer. , 2017, , .		0
46	A Low Cost BLE Transceiver with RX Matching Network Reusing PA Load Inductor for WSNs Applications. Sensors, 2017, 17, 895.	3.8	3
47	A digital LDO with transient enhancement and limit cycle oscillation reduction. , 2016, , .		5
48	A 10.2ÂmW multi-mode continuous-time Î”Î£ ADC with 70â€“87ÂdB DR and 0.7â€“10ÂMHz bandwidth for TD-SCDMA and LTE digital receivers. Analog Integrated Circuits and Signal Processing, 2016, 89, 395-410.	1.4	2
49	A 312 ps responseâ€time LDO with enhanced super source follower in 28Ânm CMOS. Electronics Letters, 2016, 52, 1368-1370.	1.0	30
50	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
51	A Fully Integrated Digital LDO With Coarseâ€“Fine-Tuning and Burst-Mode Operation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 683-687.	3.0	116
52	A compact I/Q imbalance calibration technique for power-aware fully-integrated receiver without on-chip baseband processor. , 2015, , .		2
53	An all-factor modulation bandwidth extension technique for delta-sigma PLL transmitter. , 2015, , .		0
54	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

#	Article	IF	Citations
55	A tri-band, 2-RX MIMO, 1-TX TD-LTE CMOS transceiver. Microelectronics Journal, 2015, 46, 59-66.	2.0	6
56	A powerâ€areaâ€efficient, 3â€band, 2â€RX MIMO, TDâ€LTE receiver with directâ€coupled ADC. International Journal of Circuit Theory and Applications, 2015, 43, 806-821.	2.0	8