

Payam Heydari

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

350
citations

840776

11
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

389
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Analysis and Design of High-Order QAM Direct-Modulation Transmitter for High-Speed Point-to-Point mm-Wave Wireless Links. IEEE Journal of Solid-State Circuits, 2019, 54, 3161-3179. | 5.4 | 39 |
| 2 | A CMOS Two-Element 170-GHz Fundamental-Frequency Transmitter With Direct RF-8PSK Modulation. IEEE Journal of Solid-State Circuits, 2020, 55, 282-297. | 5.4 | 36 |
| 3 | A 115-135-GHz 8PSK Receiver Using Multi-Phase RF-Correlation-Based Direct-Demodulation Method. IEEE Journal of Solid-State Circuits, 2019, 54, 2435-2448. | 5.4 | 32 |
| 4 | Development of Novel Glucose oxidase Immobilization on Graphene/Gold nanoparticles/Poly Neutral red modified electrode. Process Biochemistry, 2017, 56, 71-80. | 3.7 | 25 |
| 5 | A CMOS Dual-Mode Brain-Computer Interface Chipset With 2-mV Precision Time-Based Charge Balancing and Stimulation-Side Artifact Suppression. IEEE Journal of Solid-State Circuits, 2022, 57, 1824-1840. | 5.4 | 24 |
| 6 | A CMOS MedRadio Transceiver With Supply-Modulated Power Saving Technique for an Implantable Brain-Machine Interface System. IEEE Journal of Solid-State Circuits, 2019, 54, 1541-1552. | 5.4 | 23 |
| 7 | Terahertz Integrated Circuits and Systems for High-Speed Wireless Communications: Challenges and Design Perspectives. IEEE Open Journal of the Solid-State Circuits Society, 2021, 1, 18-36. | 2.7 | 20 |
| 8 | Low cost method for hot embossing of microstructures on PMMA by SU-8 masters. Microsystem Technologies, 2014, 20, 1925-1931. | 2.0 | 19 |
| 9 | An mm-Wave Scalable PLL-Coupled Array for Phased-Array Applications in 65-nm CMOS. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1439-1452. | 4.6 | 19 |
| 10 | An Energy-Efficient CMOS Dual-Mode Array Architecture for High-Density ECoG-Based Brain-Machine Interfaces. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 332-342. | 4.0 | 16 |
| 11 | Power harvesting from physiological serum in microfluidic enzymatic biofuel cell. Microelectronic Engineering, 2020, 219, 111159. | 2.4 | 12 |
| 12 | Study and Design of a Fast Start-Up Crystal Oscillator Using Precise Dithered Injection and Active Inductance. IEEE Journal of Solid-State Circuits, 2019, 54, 2543-2554. | 5.4 | 11 |
| 13 | A CMOS V-Band PLL With a Harmonic Positive Feedback VCO Leveraging Operation in Triode Region for Phase-Noise Improvement. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1818-1830. | 5.4 | 11 |
| 14 | A Study of BER and EVM Degradation in Digital Modulation Schemes Due to PLL Jitter and Communication-Link Noise. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3402-3415. | 5.4 | 10 |
| 15 | Analysis and Design of a Wideband, Balun-Based, Differential Power Splitter at mm-Wave. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1629-1633. | 3.0 | 9 |
| 16 | A Millimeter-Wave Partially Overlapped Beamforming-MIMO Receiver: Theory, Design, and Implementation. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1924-1936. | 4.6 | 9 |
| 17 | An LO Leakage Suppression Technique for Blocker-Tolerant Wideband Receivers With High- Q Selectivity at RF Input. IEEE Journal of Solid-State Circuits, 2021, 56, 1682-1696. | 5.4 | 9 |
| 18 | Electrostatic Excitation for the Force Amplification of Microcantilever Sensors. Sensors, 2011, 11, 10129-10142. | 3.8 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | On Analog QAM Demodulation for Millimeter-Wave Communications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 402-406. | 3.0 | 5 |
| 20 | A Study of Multi-Phase Injection on Accelerating Crystal Oscillator Start-Up. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2868-2872. | 3.0 | 5 |
| 21 | An Analysis of CMRR Degradation in Multi-Channel Biosignal Recording Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 151-155. | 3.0 | 4 |
| 22 | Weighing and prioritization of individual factors affecting the performance of industries firefighters. Fire Safety Journal, 2022, 127, 103512. | 3.1 | 4 |
| 23 | Introduction to the Special Issue on the 2019 IEEE International Solid-State Circuits Conference (ISSCC). IEEE Journal of Solid-State Circuits, 2019, 54, 3243-3246. | 5.4 | 0 |