

Shahin Jafarabadi Ashtiani

List of Publications by Year in descending order

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papers

630
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times ranked

543
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Low Power Fully Differential Level-Crossing ADC With Low Power Charge Redistribution Input for Biomedical Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 864-868. | 3.0 | 2 |
| 2 | A Class-E Power and Data Transmitter With Improved Data Rate to Carrier Frequency Ratio for Medical Implants. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2692-2696. | 3.0 | 0 |
| 3 | Using Overlapped Resonators in Wireless Power Transfer for Uniform Electromagnetic Field and Removing Blank Spots in Free Moving Applications. Electronics (Switzerland), 2022, 11, 1204. | 3.1 | 11 |
| 4 | A Compact Pediatric Portable Pacifier to Assess Non-Nutritive Sucking of Premature Infants. IEEE Sensors Journal, 2020, 20, 1028-1034. | 4.7 | 2 |
| 5 | Programmable paper-based microfluidics device with prefabricated patterns for prototyping of μ PADs. Microfluidics and Nanofluidics, 2019, 23, 1. | 2.2 | 6 |
| 6 | Paper-based resistive heater with accurate closed-loop temperature control for microfluidics paper-based analytical devices. Microsystem Technologies, 2018, 24, 3915-3924. | 2.0 | 10 |
| 7 | Enhanced Power-Delivered-to-Load Through Planar Multiple-Harmonic Wireless Power Transmission. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1219-1223. | 3.0 | 17 |
| 8 | Thermal actuation and confinement of water droplets on paper-based digital microfluidics devices. Microfluidics and Nanofluidics, 2018, 22, 1. | 2.2 | 23 |
| 9 | Improved Wireless Power Transfer Efficiency Using Reactively Terminated Resonators. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 803-807. | 4.0 | 7 |
| 10 | Distributed element modelling for spiral resonators used in wireless power transfer. International Journal of Circuit Theory and Applications, 2018, 46, 313-327. | 2.0 | 3 |
| 11 | A wideband, sensitive current sensor employing transimpedance amplifier as interface to Rogowski coil. Sensors and Actuators A: Physical, 2017, 256, 43-50. | 4.1 | 7 |
| 12 | Capacitive cancellation technique in design of CMOS low noise amplifier for ultrasound applications. Analog Integrated Circuits and Signal Processing, 2017, 91, 163-169. | 1.4 | 0 |
| 13 | Hybrid paper-based microfluidics: combination of paper-based analytical device (μ PAD) and digital microfluidics (DMF) on a single substrate. Microfluidics and Nanofluidics, 2017, 21, 1. | 2.2 | 22 |
| 14 | A robust low quiescent current power receiver for inductive power transmission in bio implants. International Journal of Electronics, 2017, 104, 761-774. | 1.4 | 0 |
| 15 | Linear in dB, sub 0.2 dB gain-step CMOS programmable gain amplifier for ultrasound applications. Analog Integrated Circuits and Signal Processing, 2017, 93, 309-318. | 1.4 | 4 |
| 16 | A wireless pulsed-current battery charger for implantable biomedical stimulators. , 2016, , . | | 5 |
| 17 | Extended coupling-range wireless power transfer using 0π / 4π resonant regulating rectifier. , 2016, , . | | 0 |
| 18 | Threshold Voltage Compensation Error in Voltage Programmed AMOLED Displays. Journal of Display Technology, 2016, 12, 658-664. | 1.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A novel 8-bit 20-MS/s folded residue amplification based pipelined ADC. Analog Integrated Circuits and Signal Processing, 2014, 79, 177-182. | 1.4 | 0 |
| 20 | Paper-based digital microfluidics. Microfluidics and Nanofluidics, 2014, 16, 989-995. | 2.2 | 30 |
| 21 | A New Method for Measurement of Low-Frequency Noise of MOSFET. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2993-2997. | 4.7 | 3 |
| 22 | Sequential Correlated Level Shifting: A Switched-Capacitor Approach for High-Accuracy Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 857-861. | 3.0 | 11 |
| 23 | Circuit-level optimisation of a:Si TFT-based AMOLED pixel circuits for maximum hold current. International Journal of Electronics, 2013, 100, 1483-1498. | 1.4 | 1 |
| 24 | High speed sample and hold design using closed-loop pole-zero cancelation. Microelectronics Journal, 2011, 42, 1353-1358. | 2.0 | 4 |
| 25 | Linearity improvement of open-loop NMOS source-follower sample and hold circuits. IET Circuits, Devices and Systems, 2011, 5, 1. | 1.4 | 9 |
| 26 | A10b, 20-MS/s, 2.6mW fully differential CBSC pipelined ADC in 0.18.UM.m CMOS. IEICE Electronics Express, 2010, 7, 1694-1701. | 0.8 | 3 |
| 27 | Fast Voltage-Programmed Pixel Architecture for AMOLED Displays. Journal of Display Technology, 2010, 6, 191-195. | 1.2 | 14 |
| 28 | A Driving Scheme for Active-Matrix Organic Light-Emitting Diode Displays Based on Current Feedback. Journal of Display Technology, 2009, 5, 257-264. | 1.2 | 32 |
| 29 | 1.5-bit mismatch-insensitive MDAC with reduced input capacitive loading. Electronics Letters, 2009, 45, 1157. | 1.0 | 3 |
| 30 | A Novel Low Power 1 GS/s S&H Architecture With Improved Analog Bandwidth. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 971-975. | 3.0 | 4 |
| 31 | Slew rate enhancement method for folded-cascode amplifiers. Electronics Letters, 2008, 44, 1226. | 1.0 | 33 |
| 32 | AMOLED Pixel Circuit With Electronic Compensation of Luminance Degradation. Journal of Display Technology, 2007, 3, 36-39. | 1.2 | 49 |
| 33 | A Driving Scheme for Active-Matrix Organic Light-Emitting Diode Displays Based on Feedback. Journal of Display Technology, 2006, 2, 258-264. | 1.2 | 19 |
| 34 | A 3-TFT Current-Programmed Pixel Circuit for AMOLEDs. IEEE Transactions on Electron Devices, 2005, 52, 1514-1518. | 3.0 | 50 |
| 35 | Driving Schemes for a-Si and LTPS AMOLED Displays. Journal of Display Technology, 2005, 1, 267-277. | 1.2 | 222 |
| 36 | Pixel circuits and drive schemes for glass and elastic AMOLED displays. Journal of the Society for Information Display, 2005, 13, 587. | 2.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Active-matrix organic light-emitting diode display driver based on second-generation current conveyor. Electronics Letters, 2004, 40, 1178. | 1.0 | 3 |