

# Shahin Jafarabadi Ashtiani

## List of Publications by Year in descending order

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37  
papers

630  
citations

759233

12  
h-index

580821

25  
g-index

37  
all docs

37  
docs citations

37  
times ranked

543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Driving Schemes for a-Si and LTPS AMOLED Displays. Journal of Display Technology, 2005, 1, 267-277.	1.2	222
2	A 3-TFT Current-Programmed Pixel Circuit for AMOLEDs. IEEE Transactions on Electron Devices, 2005, 52, 1514-1518.	3.0	50
3	AMOLED Pixel Circuit With Electronic Compensation of Luminance Degradation. Journal of Display Technology, 2007, 3, 36-39.	1.2	49
4	Slew rate enhancement method for folded-cascode amplifiers. Electronics Letters, 2008, 44, 1226.	1.0	33
5	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
6	Paper-based digital microfluidics. Microfluidics and Nanofluidics, 2014, 16, 989-995.	2.2	30
7	Thermal actuation and confinement of water droplets on paper-based digital microfluidics devices. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	23
8	Hybrid paper-based microfluidics: combination of paper-based analytical device ( $\mu$ PAD) and digital microfluidics (DMF) on a single substrate. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	22
9	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
10	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
11	Threshold Voltage Compensation Error in Voltage Programmed AMOLED Displays. Journal of Display Technology, 2016, 12, 658-664.	1.2	15
12	Fast Voltage-Programmed Pixel Architecture for AMOLED Displays. Journal of Display Technology, 2010, 6, 191-195.	1.2	14
13	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
14	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
15	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
16	Linearity improvement of open-loop NMOS source-follower sample and hold circuits. IET Circuits, Devices and Systems, 2011, 5, 1.	1.4	9
17	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
18	Improved Wireless Power Transfer Efficiency Using Reactively Terminated Resonators. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 803-807.	4.0	7

#	ARTICLE	IF	CITATIONS
19	Pixel circuits and drive schemes for glass and elastic AMOLED displays. Journal of the Society for Information Display, 2005, 13, 587.	2.1	6
20	Programmable paper-based microfluidics device with prefabricated patterns for prototyping of $\mu$ PADs. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	6
21	A wireless pulsed-current battery charger for implantable biomedical stimulators. , 2016, , .		5
22	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
23	High speed sample and hold design using closed-loop pole-zero cancelation. Microelectronics Journal, 2011, 42, 1353-1358.	2.0	4
24	Linear in dB, sub 0.2 $\mu$ dB gain-step CMOS programmable gain amplifier for ultrasound applications. Analog Integrated Circuits and Signal Processing, 2017, 93, 309-318.	1.4	4
25	Active-matrix organic light-emitting diode display driver based on second-generation current conveyor. Electronics Letters, 2004, 40, 1178.	1.0	3
26	1.5-bit mismatch-insensitive MDAC with reduced input capacitive loading. Electronics Letters, 2009, 45, 1157.	1.0	3
27	A10b, 20-MS/s, 2.6mW fully differential CBSC pipelined ADC in 0.18. $\mu$ m CMOS. IEICE Electronics Express, 2010, 7, 1694-1701.	0.8	3
28	A New Method for Measurement of Low-Frequency Noise of MOSFET. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2993-2997.	4.7	3
29	Distributed $\pi$ -element modelling for spiral resonators used in wireless power transfer. International Journal of Circuit Theory and Applications, 2018, 46, 313-327.	2.0	3
30	A Compact Pediatric Portable Pacifier to Assess Non-Nutritive Sucking of Premature Infants. IEEE Sensors Journal, 2020, 20, 1028-1034.	4.7	2
31	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
32	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
33	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
34	Extended coupling-range wireless power transfer using $0\bar{A}$ - / $4\bar{A}$ - resonant regulating rectifier. , 2016, , .		0
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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