Fabian Khateb

List of Publications by Year
in descending order

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121 papers	2,268 citations	201385 27 h-index	301761 39 g-index
123 all docs	123 docs citations	123 times ranked	511 citing authors

#	Article	IF	Citations
1	A 0.5-V 95-dB rail-to-rail DDA for biosignal processing. AEU - International Journal of Electronics and Communications, 2022, 145, 154098.	1.7	13
2	A 0.3-V High Linear Rail-to-Rail Bulk-Driven OTA in 0.13 Î¼m CMOS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2046-2050.	2.2	14
3	0.5 V Current-Mode Low-Pass Filter Based on Voltage Second Generation Current Conveyor for Bio-Sensor Applications. IEEE Access, 2022, 10, 12201-12207.	2.6	11
4	MIOTA-Based Filters for Noise and Motion Artifact Reductions in Biosignal Acquisition. IEEE Access, 2022, 10, 14325-14338.	2.6	16
5	Fully differential fifth-order dual-notch low-pass filter for portable EEG system. AEU - International Journal of Electronics and Communications, 2022, 146, 154122.	1.7	6
6	0.3-Volt Rail-to-Rail DDTA and Its Application in a Universal Filter and Quadrature Oscillator. Sensors, 2022, 22, 2655.	2.1	10
7	0.5 V Differential Difference Transconductance Amplifier and Its Application in Voltage-Mode Universal Filter. IEEE Access, 2022, 10, 43209-43220.	2.6	13
8	1.2 V Differential Difference Transconductance Amplifier and Its Application in Mixed-Mode Universal Filter. Sensors, 2022, 22, 3535.	2.1	10
9	1.2 V Differential Difference Current Conveyor Using MIGD MOST Technique. , 2022, , .		0
10	Electronically Tunable Universal Filter and Quadrature Oscillator Using Low-Voltage Differential Difference Transconductance Amplifiers. IEEE Access, 2022, 10, 68965-68980.	2.6	8
11	Mem-Elements Emulator Design With Experimental Validation and Its Application. IEEE Access, 2021, 9, 69860-69875.	2.6	24
12	Nanopower multiple-input DTMOS OTA and its applications to high-order filters for biomedical systems. AEU - International Journal of Electronics and Communications, 2021, 130, 153576.	1.7	17
13	Inductance Simulators and Their Application to the 4th Order Elliptic Lowpass Ladder Filter Using CMOS VD-DIBAs. Electronics (Switzerland), 2021, 10, 684.	1.8	16
14	Universal Filter Based on Compact CMOS Structure of VDDDA. Sensors, 2021, 21, 1683.	2.1	22
15	Synthesis of biquad filters using two VD-DIBAs with independent control of quality factor and natural frequency. AEU - International Journal of Electronics and Communications, 2021, 132, 153601.	1.7	10
16	Extremely Low-Power Fifth-Order Low-Pass Butterworth Filter. , 2021, , .		3
17	Multiple-Input Universal Filter and Quadrature Oscillator Using Multiple-Input Operational Transconductance Amplifiers. IEEE Access, 2021, 9, 56253-56263.	2.6	19
18	0.5-V High Linear and Wide Tunable OTA for Biomedical Applications. IEEE Access, 2021, 9, 103784-103794.	2.6	16

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19	Voltage-Mode Elliptic Band-Pass Filter Based on Multiple-Input Transconductor. IEEE Access, 2021, 9, 32582-32590.	2.6	16
20	Single Commercially Available IC-Based Electronically Controllable Voltage-Mode First-Order Multifunction Filter with Complete Standard Functions and Low Output Impedance. Sensors, 2021, 21, 7376.	2.1	24
21	A Compact 0.3-V Class AB Bulk-Driven OTA. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 224-232.	2.1	59
22	0.3ÂV Differential Difference Current Conveyor Using Multiple-Input Bulk-Driven Technique. Circuits, Systems, and Signal Processing, 2020, 39, 3189-3205.	1.2	9
23	Guest Editorial: Special issue on low voltage low power integrated circuits and systems. Microelectronics Journal, 2020, 95, 104674.	1.1	0
24	Charged Controlled Mem-Element Emulator and Its Application in a Chaotic System. IEEE Access, 2020, 8, 171397-171407.	2.6	41
25	0.3-V Nanopower Biopotential Low-Pass Filter. IEEE Access, 2020, 8, 119586-119593.	2.6	12
26	Design of High Input Impedance Voltage-mode Multifunction Biquad Filter with Independent Control of Natural Frequency and Quality Factor. , 2020, , .		2
27	0.5 V Fully Differential Universal Filter Based on Multiple Input OTAs. IEEE Access, 2020, 8, 187832-187839.	2.6	18
28	Extremely low-voltage low-power differential difference current conveyor using multiple-input bulk-driven technique. AEU - International Journal of Electronics and Communications, 2020, 123, 153310.	1.7	10
29	A 0.3-V 98-dB Rail-to-Rail OTA in $0.18~mu$ m CMOS. IEEE Access, 2020, 8, 27459-27467.	2.6	59
30	Flux-Controlled Memristor Emulator and Its Experimental Results. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 1050-1061.	2.1	53
31	0.5 V Fifth-Order Butterworth Low-Pass Filter Using Multiple-Input OTA for ECG Applications. Sensors, 2020, 20, 7343.	2.1	28
32	An On-Chip Linear, Squaring, Cubic and Exponential Analog Function Generator. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 94-104.	3.5	5
33	0.3-V Bulk-Driven Nanopower OTA-C Integrator in 0.18ÂÂµm CMOS. Circuits, Systems, and Signal Processing, 2019, 38, 1333-1341.	1.2	28
34	0.5â€…V bulk â€•driven CMOS fully differential current feedback operational amplifier. IET Circuits, Devices and Systems, 2019, 13, 314-320.	0.9	12
35	0.5â€¯V sixth-order Chebyshev band-pass filter based on multiple-input bulk-driven OTA. AEU - International Journal of Electronics and Communications, 2019, 111, 152930.	1.7	18
36	Design and analysis of floating inductance simulators using VDDDAs and their applications. AEU - International Journal of Electronics and Communications, 2019, 112, 152937.	1.7	30

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37	0.5ÂV Universal Filter Based on Multiple-Input FDDAs. Circuits, Systems, and Signal Processing, 2019, 38, 5896-5907.	1.2	9
38	A 0.5-V Bulk-Driven Active Voltage Attenuator. Circuits, Systems, and Signal Processing, 2019, 38, 5883-5895.	1.2	0
39	Comparative performance study of multiple-input bulk-driven and multiple-input bulk-driven quasi-floating-gate DDCCs. AEU - International Journal of Electronics and Communications, 2019, 108, 19-28.	1.7	19
40	0.3V Bulk-Driven Current Conveyor. IEEE Access, 2019, 7, 65122-65128.	2.6	18
41	Single-input multiple-output voltage-mode shadow filter based on VDDDAs. AEU - International Journal of Electronics and Communications, 2019, 103, 13-23.	1.7	30
42	A compact power-efficient 0.5â€¯V fully differential difference amplifier. AEU - International Journal of Electronics and Communications, 2019, 105, 71-77.	1.7	5
43	Bulk-driven fully balanced second-generation current conveyor in 0.18â€¯Âµm CMOS. AEU - International Journal of Electronics and Communications, 2019, 104, 66-75.	1.7	9
44	Simple Structure OTA-C Elliptic Band-pass Filter. , 2019, , .		2
45	CMOS Class AB Second Generation Voltage Conveyor. , 2019, , .		6
46	Design and Implementation of a 0.3-V Differential Difference Amplifier. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 513-523.	3.5	44
47	Multiple-input bulk-driven quasi-floating-gate MOS transistor for low-voltage low-power integrated circuits. AEU - International Journal of Electronics and Communications, 2019, 100, 32-38.	1.7	45
48	Multiple-Input Bulk-Driven MOS Transistor for Low-Voltage Low-Frequency Applications. Circuits, Systems, and Signal Processing, 2019, 38, 2829-2845.	1.2	37
49	Highâ€frequency floating memristor emulator and its experimental results. IET Circuits, Devices and Systems, 2019, 13, 292-302.	0.9	44
50	A 0.3-V 37-nW 53-dB SNDR Asynchronous Deltaâ€“Sigma Modulator in 0.18-<inline-formula> <tex-math notation="LaTeX">mu </tex-math> </inline-formula>m CMOS. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2019, 27, 316-325.	2.1	16
51	Arbitrary Waveform Generators Using Current-Controlled Current Conveyor Transconductance Amplifier and Current Conveyor Analog Switches. Journal of Circuits, Systems and Computers, 2019, 28, 1950179.	1.0	1
52	Current-mode universal filter and quadrature oscillator using current controlled current follower transconductance amplifiers. Analog Integrated Circuits and Signal Processing, 2019, 100, 235-248.	0.9	13
53	Memristor Emulator Circuit Using Multiple-Output OTA and Its Experimental Results. Journal of Circuits, Systems and Computers, 2019, 28, 1950166.	1.0	33
54	Four-Input One-Output Voltage-Mode Universal Filter Using Simple OTAs. Journal of Circuits, Systems and Computers, 2019, 28, 1950078.	1.0	14

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55	Design and implementation of sub 0.5â€V OTAs in 0.18â€Î¼m CMOS. International Journal of Circuit Theory and Applications, 2018, 46, 1129-1143.	1.3	72
56	Lowâ€voltage fully differential difference transconductance amplifier. IET Circuits, Devices and Systems, 2018, 12, 73-81.	0.9	15
57	Cascadable independently and electronically tunable voltage-mode universal filter with grounded passive components. AEU - International Journal of Electronics and Communications, 2018, 84, 290-299.	1.7	30
58	Sub-Volt Bulk-Driven Transconductance Amplifier and Filter Application. , 2018, , .		2
59	Guest Editorial: Low Voltage Low Power Integrated Circuits and Systems. IET Circuits, Devices and Systems, 2018, 12, 669-670.	0.9	0
60	An energy-efficient DAC switching algorithm based on charge recycling method for SAR ADCs. Microelectronics Journal, 2018, 82, 29-35.	1.1	12
61	Multiple-input single-output universal biquad filter using single output operational transconductance amplifiers. AEU - International Journal of Electronics and Communications, 2018, 93, 360-367.	1.7	42
62	Lowâ€power sample and hold circuits using current conveyor analogue switches. IET Circuits, Devices and Systems, 2018, 12, 397-402.	0.9	7
63	LOW-VOLTAGE LOW-POWER SECOND-GENERATION CURRENT CONVEYOR AND ITS APPLICATIONS. Far East Journal of Electronics and Communications, 2018, 18, 489-506.	0.2	1
64	SUB-VOLT BULK-DRIVEN FULLY DIFFERENTIAL CURRENT CONVEYOR AND ITS APPLICATIONS. Far East Journal of Electronics and Communications, 2018, 18, 809-827.	0.2	3
65	Extremely Low-Voltage Bulk-Driven Tunable Transconductor. Circuits, Systems, and Signal Processing, 2017, 36, 511-524.	1.2	28
66	Capacitorless digitally programmable fractional-order filters. AEU - International Journal of Electronics and Communications, 2017, 78, 228-237.	1.7	22
67	Sub 0.5-V bulk-driven LTA in 0.18 Î¼m CMOS. AEU - International Journal of Electronics and Communications, 2017, 77, 67-75.	1.7	8
68	Sub 0.5-V bulk-driven winner take all circuit based on a new voltage follower. Analog Integrated Circuits and Signal Processing, 2017, 90, 687-691.	0.9	9
69	Fullyâ€balanced fourâ€terminal floating nullor for ultraâ€low voltage analogue filter design. IET Circuits, Devices and Systems, 2017, 11, 173-182.	0.9	8
70	Low-Voltage Diode-Less Rectifier Based on Fully Differential Difference Transconductance Amplifier. Journal of Circuits, Systems and Computers, 2017, 26, 1750172.	1.0	7
71	Guest Editorial: Low-Voltage Integrated Circuits and Systems. Circuits, Systems, and Signal Processing, 2017, 36, 4769-4773.	1.2	0
72	Bulk-driven class AB fully-balanced differential difference amplifier. Analog Integrated Circuits and Signal Processing, 2017, 93, 179-187.	0.9	4

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73	Single DVCCTA based high frequency incremental/decremental memristor emulator and its application. AEU - International Journal of Electronics and Communications, 2017, 82, 177-190.	1.7	70
74	0.5ÂV bulk-driven ring amplifier based on masterâ€“slave technique. Analog Integrated Circuits and Signal Processing, 2017, 90, 189-197.	0.9	1
75	Five-inputs single-output voltage mode universal filter with high input and low output impedance using VDDDAs. Optik, 2017, 128, 14-25.	1.4	29
76	0.3â€V bulkâ€driven programmable gain amplifier in 0.18â€Âµm CMOS. International Journal of Circuit Theory and Applications, 2017, 45, 1077-1094.	1.3	9
77	Shadow filters based on DDCC. IET Circuits, Devices and Systems, 2017, 11, 631-637.	0.9	22
78	0.5-V bulk-driven quasi-floating gate transconductance amplifier. , 2017, , .		1
79	Mixed-Mode Third-Order Quadrature Oscillator Based on Single MCCFTA. Radioengineering, 2017, 26, 522-535.	0.3	22
80	Active-only variable-gain low-pass filter for dual-mode multiphase sinusoidal oscillator application. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 4326-4340.	0.9	3
81	Quadrature oscillator based on novel low-voltage ultra-low-power quasi-floating-gate DVCC. Scientia Iranica, 2017, .	0.3	0
82	0.5-V fully differential allpass section. , 2016, , .		2
83	1-V Inverting and Non-inverting Loser-Take-All Circuit and Its Applications. Circuits, Systems, and Signal Processing, 2016, 35, 1507-1529.	1.2	3
84	0.5 V fully differential current conveyor using bulkâ€driven quasiâ€floatingâ€gate technique. IET Circuits, Devices and Systems, 2016, 10, 78-86.	0.9	24
85	Practical Design and Evaluation of Fractional-Order Oscillator Using Differential Voltage Current Conveyors. Circuits, Systems, and Signal Processing, 2016, 35, 2003-2016.	1.2	38
86	Fractional-order filters based on low-voltage DDCCs. Microelectronics Journal, 2016, 50, 50-59.	1.1	60
87	Low-voltage low-power bulk-driven analog median filter. AEU - International Journal of Electronics and Communications, 2016, 70, 698-706.	1.7	5
88	Fully differential difference transconductance amplifier using FG-MOS transistors. , 2015, , .		9
89	Novel current controlled differential-input buffered output active element and its application in all-pass filter. , 2015, , .		3
90	1ÂV Rectifier Based on Bulk-Driven Quasi-Floating-Gate Differential Difference Amplifiers. Circuits, Systems, and Signal Processing, 2015, 34, 2077-2089.	1.2	22

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91	Sub-Volt Fully Balanced Differential Difference Amplifier. Journal of Circuits, Systems and Computers, 2015, 24, 1550005.	1.0	16
92	Bulkâ€driven adaptively biased OTA in 0.18 Î¼m CMOS. Electronics Letters, 2015, 51, 458-460.	0.5	28
93	0.4-V bulk-driven differential-difference amplifier. Microelectronics Journal, 2015, 46, 362-369.	1.1	47
94	Digitally programmable low-voltage highly linear transconductor based on promising CMOS structure of differential difference current conveyor. AEU - International Journal of Electronics and Communications, 2015, 69, 1010-1017.	1.7	14
95	A digitally programmable gain amplifier for ultra-low-power applications. Analog Integrated Circuits and Signal Processing, 2015, 85, 433-443.	0.9	4
96	0.5-V DTMOS median filter. AEU - International Journal of Electronics and Communications, 2015, 69, 1733-1736.	1.7	5
97	A low-voltage and low-power multiple-input floating-gate FDCCII. , 2015, , .		4
98	The experimental results of the bulk-driven quasi-floating-gate MOS transistor. AEU - International Journal of Electronics and Communications, 2015, 69, 462-466.	1.7	45
99	0.5-V bulk-driven fully differential current conveyor. , 2014, , .		2
100	Automatic tuning circuit for bulkâ€controlled subthreshold MOS resistors. Electronics Letters, 2014, 50, 432-434.	0.5	14
101	0.5-V bulk-driven second-generation current conveyor. , 2014, , .		3
102	Ultra-low voltage CMOS current-mode four-quadrant multiplier. International Journal of Electronics Letters, 2014, 2, 224-233.	0.7	4
103	Differential second-generation current conveyor for ultra-low voltage applications. , 2014, , .		2
104	Bulk-driven floating-gate and bulk-driven quasi-floating-gate techniques for low-voltage low-power analog circuits design. AEU - International Journal of Electronics and Communications, 2014, 68, 64-72.	1.7	78
105	0.8-V floating-gate differential difference current feedback operational amplifier. , 2014, , .		2
106	Differential Difference Current Conveyor Using Bulk-Driven Technique for Ultra-Low-Voltage Applications. Circuits, Systems, and Signal Processing, 2014, 33, 159-176.	1.2	38
107	ULTRA-LOW VOLTAGE TUNABLE TRANSCONDUCTOR BASED ON BULK-DRIVEN QUASI-FLOATING-GATE TECHNIQUE. Journal of Circuits, Systems and Computers, 2013, 22, 1350073.	1.0	15
108	Comparative study of sub-volt differential difference current conveyors. Microelectronics Journal, 2013, 44, 1278-1284.	1.1	35

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109	Current-controlled square/triangular wave generator with MO-CCDVCC. , 2013, , .		4
110	High-Precision Differential-Input Buffered and External Transconductance Amplifier for Low-Voltage Low-Power Applications. Circuits, Systems, and Signal Processing, 2013, 32, 453-476.	1.2	18
111	Low-voltage bulk-driven rectifier for biomedical applications. Microelectronics Journal, 2013, 44, 642-648.	1.1	55
112	Electronically tunable current-mode biquad filter employing CCCDTAs and grounded capacitors with low input and high output impedance. AEU - International Journal of Electronics and Communications, 2013, 67, 1005-1009.	1.7	25
113	SC ΣΔ converter for vibration sensor processing system. , 2013, , .		1
114	Electronically tunable voltage-mode quadrature oscillator based on high performance CCCDBA. Analog Integrated Circuits and Signal Processing, 2013, 74, 499-505.	0.9	27
115	Comment on â€œHigh performance low-voltage QFG-based DVCC and a novel fully differential SC integrator based on itâ€• IEICE Electronics Express, 2012, 9, 1492-1493.	0.3	0
116	Novel Ultra-Low-Power Class AB CCII+ Based on Floating-Gate Folded Cascode OTA. Circuits, Systems, and Signal Processing, 2012, 31, 447-464.	1.2	32
117	New bulk-driven class AB CCII. , 2011, , .		3
118	Bulk-Driven Current Differencing Transconductance Amplifier. Circuits, Systems, and Signal Processing, 2011, 30, 1071-1089.	1.2	44
119	Novel low-voltage low-power high-precision CCIIÂ± based on bulk-driven folded cascode OTA. Microelectronics Journal, 2011, 42, 622-631.	1.1	46
120	Novel low-voltage ultra-low-power DVCC based on floating-gate folded cascode OTA. Microelectronics Journal, 2011, 42, 1010-1017.	1.1	40
121	Utilizing the Bulk-driven technique in analog circuit design. , 2010, , .		27