

Costas Psychalinos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

2,541
citations

26
h-index

36
g-index

282
ext. papers

3,073
ext. citations

1.9
avg, IF

6
L-index

#	Paper	IF	Citations
246	MOS realizations of fractional-order elements 2022 , 1-33		0
245	A collection of interdisciplinary applications of fractional-order circuits 2022 , 35-69		1
244	$\pm 0.45\text{V}$ CMOS Second-Generation Voltage Conveyor Based on Super Source Follower. <i>Circuits, Systems, and Signal Processing</i> , 2022 , 41, 1819	2.2	3
243	Electronically Controlled Power-Law Filters Realizations. <i>Fractal and Fractional</i> , 2022 , 6, 111	3	1
242	Versatile Field-Programmable Analog Array Realizations of Power-Law Filters. <i>Electronics (Switzerland)</i> , 2022 , 11, 692	2.6	2
241	Generalizing the Warburg Impedance to a Warburg Impedance Matrix. <i>AEU - International Journal of Electronics and Communications</i> , 2022 , 154202	2.8	
240	Approximation of Fractional-Order Controllers for Mechatronic Applications 2022 , 131-147		
239	FPAA-Based Realization of Filters with Fractional Laplace Operators of Different Orders. <i>Fractal and Fractional</i> , 2021 , 5, 218	3	3
238	. <i>IEEE Access</i> , 2021 , 9, 145977-145987	3.5	3
237	Passive approximations of double-exponent fractional-order impedance functions. <i>International Journal of Circuit Theory and Applications</i> , 2021 , 49, 1274-1284	2	3
236	Design of Low-Voltage FO-[PD] Controller for Motion Systems. <i>Journal of Low Power Electronics and Applications</i> , 2021 , 11, 26	1.7	1
235	Design of Fractional-Order Lead Compensator for a Car Suspension System Based on Curve-Fitting Approximation. <i>Fractal and Fractional</i> , 2021 , 5, 46	3	0
234	Power-Law Compensator Design for Plants with Uncertainties: Experimental Verification. <i>Electronics (Switzerland)</i> , 2021 , 10, 1305	2.6	4
233	Decoupling the magnitude and phase in a constant phase element. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 888, 115153	4.1	5
232	Novel Double-Dispersion Models Based on Power-Law Filters. <i>Circuits, Systems, and Signal Processing</i> , 2021 , 40, 5799-5812	2.2	2
231	Power law filters: A new class of fractional-order filters without a fractional-order Laplacian operator. <i>AEU - International Journal of Electronics and Communications</i> , 2021 , 129, 153537	2.8	18
230	Double Exponent Fractional-Order Filters: Approximation Methods and Realization. <i>Circuits, Systems, and Signal Processing</i> , 2021 , 40, 993-1004	2.2	13

229	. <i>IEEE Access</i> , 2021 , 9, 92178-92188	3.5	4
228	Simple implementations of fractional-order driving-point impedances: Application to biological tissue models. <i>AEU - International Journal of Electronics and Communications</i> , 2021 , 137, 153784	2.8	3
227	Realizations of fractional-order PID loop-shaping controller for mechatronic applications. <i>The Integration VLSI Journal</i> , 2021 , 80, 5-12	1.4	5
226	. <i>IEEE Access</i> , 2021 , 9, 56253-56263	3.5	3
225	On The Equivalent Impedance of Two-Impedance Self-Similar Ladder Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	1
224	Implementation of a Fractional-Order Electronically Reconfigurable Lung Impedance Emulator of the Human Respiratory Tree. <i>Journal of Low Power Electronics and Applications</i> , 2020 , 10, 18	1.7	5
223	Reduced Active Components Count Electronically Adjustable Fractional-Order Controllers: Two Design Examples. <i>Electronics (Switzerland)</i> , 2020 , 9, 63	2.6	6
222	Ultra low-power electronically tunable current-mode instrumentation amplifier for biomedical applications. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 117, 153120	2.8	11
221	Nonlinear charge-voltage relationship in constant phase element. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 117, 153104	2.8	13
220	Employment of the Padé approximation for implementing fractional-order lead/lag compensators. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 120, 153203	2.8	11
219	Design and Implementation of an Optimized Artificial Human Eardrum Model. <i>Circuits, Systems, and Signal Processing</i> , 2020 , 39, 3219-3233	2.2	8
218	Fractional-Order Complementary Filters for Sensor Applications 2020 ,		1
217	Implementation and analysis of tunable fractional-order band-pass filter of order 2β . <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 124, 153343	2.8	6
216	Implementing Fractional PID Control for MagLev with SoftFRAC 2020 ,		1
215	Simple Implementations of the Cole-Cole Models 2020 ,		1
214	Realization of Cole-Davidson Function-Based Impedance Models: Application on Plant Tissues. <i>Fractal and Fractional</i> , 2020 , 4, 54	3	5
213	Generalized Fully Adjustable Structure for Emulating Fractional-Order Capacitors and Inductors of Orders less than Two. <i>Circuits, Systems, and Signal Processing</i> , 2020 , 39, 1797-1814	2.2	14
212	Ultra-low-voltage integrable electronic implementation of delayed inertial neural networks for complex dynamical behavior using multiple activation functions. <i>Neural Computing and Applications</i> , 2020 , 32, 8297-8314	4.8	2

211	CCII Based Realization of Fractional-Order PD Controller for a Position Servo 2019 ,		4
210	Simple Design of Fractional-Order DC Motor Controller 2019 ,		2
209	Simple Multi-Function Fractional-Order Filter Designs 2019 ,		5
208	Fractional-Order Mihalas-Niebur Neuron Model Implementation Using Current-Mirrors 2019 ,		1
207	0.5 V Universal Filter Based on Multiple-Input FDDAs. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 5896-5907	2.2	4
206	Realizations of simple fractional-order capacitor emulators with electronically-tunable capacitance. <i>The Integration VLSI Journal</i> , 2019 , 69, 225-233	1.4	7
205	Low-voltage and low-power fractional-order parallel tunable resonator. <i>Microelectronics Journal</i> , 2019 , 88, 108-116	1.8	5
204	Single transistor fractional-order filter using a multi-walled carbon nanotube device. <i>Analog Integrated Circuits and Signal Processing</i> , 2019 , 100, 215-219	1.2	3
203	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 2606-2614	3.9	7
202	One-terminal electronically controlled fractional-order capacitor and inductor emulator. <i>AEU - International Journal of Electronics and Communications</i> , 2019 , 103, 32-45	2.8	16
201	A compact power-efficient 0.5 V fully differential difference amplifier. <i>AEU - International Journal of Electronics and Communications</i> , 2019 , 105, 71-77	2.8	2
200	Comprehensive comparison based on meta-heuristic algorithms for approximation of the fractional-order Laplacian s^{α} as a weighted sum of first-order high-pass filters. <i>Microelectronics Journal</i> , 2019 , 87, 110-120	1.8	21
199	Partial fraction expansion based realizations of fractional-order differentiators and integrators using active filters. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 513-531	2	30
198	Electronically tunable fractional-order highpass filter for phantom electroencephalographic system model implementation. <i>AEU - International Journal of Electronics and Communications</i> , 2019 , 110, 152850 ^{2.8}		11
197	Cole-Cole Bio-Impedance Parameters Extraction From a Single Time-Domain Measurement 2019 ,		2
196	Log-Domain Implementation of Fractional-Order Element Emulators 2019 ,		1
195	Design of Fractional-Order Differentiator-Lowpass Filters for Extracting the R peaks in ECG Signals 2019 ,		1
194	Approximating Fractional Filters With Analogue Active Filter Structures 2019 ,		1

193	On the mechanism of creating pinched hysteresis loops using a commercial memristor device. <i>AEU - International Journal of Electronics and Communications</i> , 2019 , 111, 152923	2.8	10
192	Digital and Analog Design of Fractional PD Controller for a Servo System 2019 ,		2
191	Development of fractional-order analog integrated controllers [Application examples 2019 , 357-378		
190	Fully Electronically Tunable Inverse Fractional-Order Filter Designs 2019 ,		1
189	OTA-C Implementation of Fractional-Order Lead/Lag Compensators 2019 ,		1
188	Tunable Fractional-Order Band-pass Filter of order 2 2019 ,		2
187	Minimum MOS Transistor Count Fractional-Order Voltage-Mode and Current-Mode Filters. <i>Technologies</i> , 2019 , 7, 85	2.4	2
186	Novel two-measurements-only Cole-Cole bio-impedance parameters extraction technique. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 131, 394-399	4.6	13
185	A survey of single and multi-component Fractional-Order Elements (FOEs) and their applications. <i>Microelectronics Journal</i> , 2019 , 84, 9-25	1.8	48
184	Multiple-Input Bulk-Driven MOS Transistor for Low-Voltage Low-Frequency Applications. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 2829-2845	2.2	18
183	Low-Voltage Low-Power Integrable CMOS Circuit Implementation of Integer- and Fractional-Order FitzHugh-Nagumo Neuron Model. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2108-2122	10.3	23
182	Design and application examples of CMOS fractional-order differentiators and integrators. <i>Microelectronics Journal</i> , 2019 , 83, 155-167	1.8	18
181	Practical Design of RC Approximants of Constant Phase Elements and Their Implementation in Fractional-Order PID Regulators Using CMOS Voltage Differencing Current Conveyors. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 1520-1546	2.2	16
180	Approximation of the Fractional-Order Laplacian s^α As a Weighted Sum of First-Order High-Pass Filters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 1114-1118	3.5	43
179	Simple MOS-based circuit designed to show pinched hysteresis behavior. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 1123-1128	2	9
178	Comparative Study of Discrete Component Realizations of Fractional-Order Capacitor and Inductor Active Emulators. <i>Journal of Circuits, Systems and Computers</i> , 2018 , 27, 1850170	0.9	42
177	Electronically Tunable Fully Integrated Fractional-Order Resonator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 166-170	3.5	59
176	Transient and Steady-State Response of a Fractional-Order Dynamic PV Model Under Different Loads. <i>Journal of Circuits, Systems and Computers</i> , 2018 , 27, 1850023	0.9	12

175	High-Frequency Capacitorless Fractional-Order CPE and FI Emulator. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 2694-2713	2.2	18
174	Fractional-Order Differentiators and Integrators with Reduced Circuit Complexity 2018 ,		3
173	0.65 V integrable electronic realisation of integer- and fractional-order HindmarshRose neuron model using companding technique. <i>IET Circuits, Devices and Systems</i> , 2018 , 12, 696-706	1.1	10
172	Single- Input Multiple-Output and Multiple-Input Single-Output Fractional-Order Filter Designs 2018 ,		3
171	Fractional-Order Multiphase Sinusoidal Oscillator Design Using Current-Mirrors 2018 ,		5
170	Differentiator based fractional-order high-pass filter designs 2018 ,		2
169	Fractional-Order Model of a Commercial Ear Simulator 2018 ,		3
168	Extraction of Cole-Cole model parameters through low-frequency measurements. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 84, 355-359	2.8	9
167	On a Class of Quadrature Phase Oscillators using Differential pairs 2018 ,		1
166	Design of a Generalized Fractional-Order PID Controller Using Operational Amplifiers 2018 ,		3
165	Single active element implementation of fractional-order differentiators and integrators. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 97, 6-15	2.8	24
164	Fractional-Order Integrated Circuits in Control Applications and Biological Modeling 2018 , 163-204		
163	Design of Fully-Differential Frequency Filter with Fractional-Order Elements 2018 ,		2
162	Minimization of Spread of Time-Constants and Scaling Factors in Fractional-Order Differentiator and Integrator Realizations. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 5647-5663	2.2	10
161	Multiple-input single-output universal biquad filter using single output operational transconductance amplifiers. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 93, 360-367	2.8	26
160	Designing constant phase elements of complement order. <i>Analog Integrated Circuits and Signal Processing</i> , 2018 , 97, 107-114	1.2	6
159	Experimental behavior evaluation of series and parallel connected constant phase elements. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 74, 5-12	2.8	20
158	On the pinched hysteresis behavior in a state-controlled resistor. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 74, 171-175	2.8	11

157	Experimental Verification of Fractional-Order Filters Using a Reconfigurable Fractional-Order Impedance Emulator. <i>Journal of Circuits, Systems and Computers</i> , 2017 , 26, 1750142	0.9	21
156	Design of CMOS Analog Integrated Fractional-Order Circuits. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2017 ,	0.4	38
155	Procedure for Designing Fractional-Order Filters. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2017 , 13-39	0.4	1
154	Current-Mode Fractional-Order Filters. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2017 , 41-54.	0.4	1
153	Voltage-Mode Fractional-Order Filters. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2017 , 55-63.	0.4	1
152	Applications of Fractional-Order Circuits. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2017 , 87-112	0.4	2
151	Synthesis and design of constant phase elements based on the multiplication of electronically controllable bilinear immittances in practice. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 78, 98-113	2.8	20
150	Capacitorless digitally programmable fractional-order filters. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 78, 228-237	2.8	19
149	Emulation of an electrical-analogue of a fractional-order human respiratory mechanical impedance model using OTA topologies. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 78, 201-208	2.8	35
148	New analog implementation technique for fractional-order controller: A DC motor control. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 78, 192-200	2.8	84
147	Comparative study of fractional-order differentiators and integrators 2017 ,		4
146	Ultra-low-Voltage Integrable Electronic Realization of Integer- and Fractional-Order Liao-Chaotic Delayed Neuron Model. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 4844-4868	2.2	14
145	Current-mode capacitorless integrators and differentiators for implementing emulators of fractional-order elements. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 80, 94-103	2.8	14
144	Fractional-order electronically controlled generalized filters. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 595-612	2	49
143	Biomedical and biological applications of fractional-order circuits 2017 ,		2
142	Design of a wood tissue impedance emulator in monolithic form 2017 ,		2
141	Voltage Gain-Controlled Third-Generation Current Conveyor and its All-Pass Filter Verification 2017 ,		4
140	Compact MOS-RC voltage-mode fractional-order oscillator design 2017 ,		5

139	Analysis and experimental verification of a fractional-order Hartley oscillator 2017 ,		5
138	Fractional-order oscillator design using unity-gain voltage buffers and OTAs 2017 ,		19
137	Programmable analog array of fractional-order filters with CFOAs 2017 ,		9
136	CMOS Realization of All-Positive Pinched Hysteresis Loops. <i>Complexity</i> , 2017 , 2017, 1-15	1.6	3
135	Switched-Capacitor Fractional-Step Butterworth Filter Design. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 1377-1393	2.2	33
134	Switched-current fractional-order filter designs 2016 ,		2
133	Experimental verification of on-chip CMOS fractional-order capacitor emulators. <i>Electronics Letters</i> , 2016 , 52, 1298-1300	1.1	49
132	Emulation of current excited fractional-order capacitors and inductors using OTA topologies. <i>Microelectronics Journal</i> , 2016 , 55, 70-81	1.8	30
131	Ultra-low voltage fractional-order circuits using current mirrors. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 109-126	2	44
130	Practical Design and Evaluation of Fractional-Order Oscillator Using Differential Voltage Current Conveyors. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 2003-2016	2.2	27
129	Fractional-order filters based on low-voltage DDCCs. <i>Microelectronics Journal</i> , 2016 , 50, 50-59	1.8	55
128	Log-Domain Implementation of QRS Detection System Using the Pan-Tompkins Algorithm with Fractional-Order Differentiator for Improved Noise Rejection. <i>Journal of Low Power Electronics</i> , 2016 , 12, 352-360	1.2	3
127	Analysis and realization of a switched fractional-order-capacitor integrator. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 2035-2040	2	15
126	2016 ,		1
125	Fractional-order filter design for ultra-low frequency applications 2016 ,		8
124	2016 ,		3
123	Experimental verification of filters using fractional-order capacitor and inductor emulators 2016 ,		10
122	A fractional-order dynamic PV model 2016 ,		7

121	A low frequency oscillator using a super-capacitor. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 970-973	2.8	56
120	Mihalas-Niebur model implementation using Sinh-Domain integrators. <i>Analog Integrated Circuits and Signal Processing</i> , 2016 , 88, 161-171	1.2	5
119	1 V Rectifier Based on Bulk-Driven Quasi-Floating-Gate Differential Difference Amplifiers. <i>Circuits, Systems, and Signal Processing</i> , 2015 , 34, 2077-2089	2.2	16
118	Sub-Volt Fully Balanced Differential Difference Amplifier. <i>Journal of Circuits, Systems and Computers</i> , 2015 , 24, 1550005	0.9	13
117	Digitally programmable low-voltage highly linear transconductor based on promising CMOS structure of differential difference current conveyor. <i>AEU - International Journal of Electronics and Communications</i> , 2015 , 69, 1010-1017	2.8	14
116	Emulation of a constant phase element using operational transconductance amplifiers. <i>Analog Integrated Circuits and Signal Processing</i> , 2015 , 85, 413-423	1.2	60
115	Two-quadrant fully integrable rms-to-dc converter for handling low-frequency signals. <i>AEU - International Journal of Electronics and Communications</i> , 2015 , 69, 1897-1901	2.8	13
114	Digitally programmed fractional-order Chebyshev filters realizations using current-mirrors 2015 ,		15
113	Simple non-impedance-based measuring technique for supercapacitors. <i>Electronics Letters</i> , 2015 , 51, 1699-1701	1.1	17
112	1.2 V Sinh-Domain allpass filter. <i>International Journal of Circuit Theory and Applications</i> , 2015 , 43, 22-35	2	4
111	0.5-V fractional-order companding filters. <i>International Journal of Circuit Theory and Applications</i> , 2015 , 43, 1105-1126	2	49
110	0.5 V sinh-domain differentiator. <i>International Journal of Electronics Letters</i> , 2015 , 3, 34-44	0.6	3
109	Sinh-domain complex integrators. <i>International Journal of Electronics</i> , 2015 , 102, 1073-1090	1.2	1
108	A 0.5 V tunable complex filter for Bluetooth and Zigbee using OTAs. <i>Analog Integrated Circuits and Signal Processing</i> , 2014 , 79, 73-81	1.2	8
107	Realization of current-mirror filters with large time-constants. <i>AEU - International Journal of Electronics and Communications</i> , 2014 , 68, 1261-1264	2.8	5
106	Sinh-Domain linear transformation filters. <i>International Journal of Electronics</i> , 2014 , 101, 241-254	1.2	2
105	A 50 mHz Sinh-Domain High-pass Filter for Realizing an ECG Signal Acquisition System. <i>Circuits, Systems, and Signal Processing</i> , 2014 , 33, 3673-3696	2.2	5
104	Differential Difference Current Conveyor Using Bulk-Driven Technique for Ultra-Low-Voltage Applications. <i>Circuits, Systems, and Signal Processing</i> , 2014 , 33, 159-176	2.2	26

103	Universal filters of arbitrary order and type employing square-root-domain technique. <i>International Journal of Electronics</i> , 2014 , 101, 894-918	1.2	1
102	Ultra-Low Voltage Sixth-Order Low Pass Filter for Sensing the T-Wave Signal in ECGs. <i>Journal of Low Power Electronics and Applications</i> , 2014 , 4, 292-303	1.7	4
101	SINH-DOMAIN UNIVERSAL BIQUAD FILTERS. <i>Journal of Circuits, Systems and Computers</i> , 2014 , 23, 1450134	1.2	1
100	Ultra-low voltage fractional-order differentiator and integrator topologies: an application for handling noisy ECGs. <i>Analog Integrated Circuits and Signal Processing</i> , 2014 , 81, 393-405	1.2	43
99	Single MIMO-OTA and single-grounded-capacitor-based first-order allpass filter design. <i>International Journal of Electronics</i> , 2014 , 101, 1716-1723	1.2	4
98	Differential voltage current controlled current conveyor with low-voltage operation capability. <i>International Journal of Electronics</i> , 2014 , 101, 939-949	1.2	4
97	Ultra-low voltage CMOS current-mode four-quadrant multiplier. <i>International Journal of Electronics Letters</i> , 2014 , 2, 224-233	0.6	4
96	Realization of companding filters with large time-constants for biomedical applications. <i>Analog Integrated Circuits and Signal Processing</i> , 2014 , 78, 217-231	1.2	16
95	0.5V Sinh-Domain Design of Activation Functions and Neural Networks. <i>Journal of Low Power Electronics</i> , 2014 , 10, 201-213	1.2	4
94	0.5 V RMS-to-DC Converter Topologies Suitable for Implantable Biomedical Devices. <i>Journal of Low Power Electronics</i> , 2014 , 10, 373-382	1.2	5
93	1.5 V square-root domain universal biquad filters. <i>International Journal of Circuit Theory and Applications</i> , 2013 , 41, 307-318	2	
92	Low-voltage reduced complexity cells for MOS translinear loops. <i>Circuits, Systems, and Signal Processing</i> , 2013 , 32, 2445-2456	2.2	4
91	Square-Root-Domain Realization of Single-Cell Architecture of Complex TDCNN. <i>Circuits, Systems, and Signal Processing</i> , 2013 , 32, 959-978	2.2	3
90	First-order allpass filter using multi-input OTA. <i>International Journal of Electronics</i> , 2013 , 100, 1373-1382	1.2	13
89	Sinh-Domain multiphase sinusoidal oscillator. <i>Microelectronics Journal</i> , 2013 , 44, 834-839	1.8	5
88	Comparative Study of Resistorless Filters Using Differential Voltage Current Controlled Current Feedback Operational Amplifiers and Differential Voltage Current Controlled Current Conveyors. <i>ISRN Electronics</i> , 2013 , 2013, 1-7		2
87	Low-Voltage Complex Filters Using Current Feedback Operational Amplifiers. <i>ISRN Electronics</i> , 2013 , 2013, 1-7		4
86	Companding Realizations of the Nonlinear Energy Operator. <i>ISRN Biomedical Engineering</i> , 2013 , 2013, 1-7		5

85	0.5 V Cardiac Sense Amplifier Realization Using Log-Domain Filtering. <i>ISRN Biomedical Engineering</i> , 2013 , 2013, 1-11		1
84	Ultra Low-Voltage Low-Power Realization of Non-Linear Energy Operator for Spike Detection. <i>Journal of Low Power Electronics</i> , 2013 , 9, 45-49	1.2	2
83	Ultra Low-Voltage Ultra Low-Power Sinh-Domain Wavelet Filer for Electrocardiogram Signal Analysis. <i>Journal of Low Power Electronics</i> , 2013 , 9, 288-294	1.2	2
82	Tinnitus Detector Realization Using Sinh-Domain Circuits. <i>Journal of Low Power Electronics</i> , 2013 , 9, 458-470	1.2	7
81	Universal biquad filter topology using low-voltage current mirrors. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 65-75	2	8
80	Design of Sinh-Domain filters using complementary operators. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 1019-1039	2	17
79	Novel log-domain frequency-adaptive filter. <i>International Journal of Electronics</i> , 2012 , 99, 197-209	1.2	1
78	0.5 V bulk-driven analog building blocks. <i>AEU - International Journal of Electronics and Communications</i> , 2012 , 66, 920-927	2.8	48
77	1.2 V BiCMOS Sinh-Domain Filters. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 1257-1277	2.2	15
76	Electronically Adjustable Current Mirrors 2012 , 91-99		
75	Universal Biquads Using Current Mirrors 2012 , 7-39		
74	Complex Filters for Short Range Wireless Networks 2012 , 41-77		1
73	Filters for Biomedical Applications 2012 , 79-90		
72	1.5-V Complex Filters Using Current Mirrors. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2011 , 58, 575-579	3.5	21
71	Log-domain SIMO and MISO low-voltage universal biquads. <i>Analog Integrated Circuits and Signal Processing</i> , 2011 , 67, 201-211	1.2	11
70	0.65 V class-AB current-mode four-quadrant multiplier with reduced power dissipation. <i>AEU - International Journal of Electronics and Communications</i> , 2011 , 65, 673-677	2.8	19
69	Square-root domain linear transformation filters. <i>International Journal of Circuit Theory and Applications</i> , 2011 , 39, 719-731	2	4
68	Multiple-loop feedback filters using current feedback amplifiers. <i>International Journal of Electronics</i> , 2011 , 98, 833-846	1.2	3

67	2011,		4
66	0.5V wavelet filters using current mirrors 2011,		2
65	DESIGN OF FILTERS WITH ONLY GROUNDED PASSIVE ELEMENTS USING DIFFERENTIAL VOLTAGE CURRENT FEEDBACK OPERATIONAL AMPLIFIERS. <i>Journal of Circuits, Systems and Computers</i> , 2010, 19, 573-580	0.9	2
64	A novel all-pass current-mode filter realized using a minimum number of single output OTAs. <i>Frequenz</i> , 2010, 64,	0.6	3
63	All-pass filters realised using the current-controlled CCII with intrinsic negative resistance. <i>International Journal of Electronics</i> , 2010, 97, 491-498	1.2	3
62	Differential voltage class-AB current controlled current conveyor 2010,		1
61	Multiple Input Multiple Output current-mode universal biquad filters 2010,		2
60	Low-voltage CMOS adjustable current mirror. <i>Electronics Letters</i> , 2010, 46, 124	1.1	4
59	Low-voltage Bluetooth/ZigBee complex filter using current mirrors 2010,		16
58	Design of low-voltage log-domain filters with maximized dynamic range 2010,		1
57	Multiple Input Single Output Universal Biquad Filter with Current Feedback Operational Amplifiers. <i>Circuits, Systems, and Signal Processing</i> , 2010, 29, 1167-1180	2.2	27
56	Low-voltage log-domain differentiators. <i>Analog Integrated Circuits and Signal Processing</i> , 2010, 63, 299-306		1
55	Low-voltage current controlled current conveyor. <i>Analog Integrated Circuits and Signal Processing</i> , 2010, 63, 129-135	1.2	12
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