Georgia Tsirimokou

List of Publications by Citations

33 papers	746 citations	16 h-index	27 g-index
33 ext. papers	878 ext. citations	1.6 avg, IF	4.9 L-index

#	Paper	IF	Citations
33	Emulation of a constant phase element using operational transconductance amplifiers. *Analog Integrated Circuits and Signal Processing*, **2015**, 85, 413-423	1.2	60
32	Electronically Tunable Fully Integrated Fractional-Order Resonator. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 166-170	3.5	59
31	Fractional-order filters based on low-voltage DDCCs. *Microelectronics Journal*, **2016**, 50, 50-59	1.8	55
30	A systematic procedure for deriving RC networks of fractional-order elements emulators using MATLAB. *AEU - International Journal of Electronics and Communications*, **2017**, 78, 7-14	2.8	53
29	Fractional-order electronically controlled generalized filters. *International Journal of Circuit Theory and Applications*, **2017**, 45, 595-612	2	49
28	0.5-V fractional-order companding filters. *International Journal of Circuit Theory and Applications*, **2015**, 43, 1105-1126	2	49
27	Ultra-low voltage fractional-order circuits using current mirrors. *International Journal of Circuit Theory and Applications*, **2016**, 44, 109-126	2	44
26	Ultra-low voltage fractional-order differentiator and integrator topologies: an application for handling noisy ECGs. *Analog Integrated Circuits and Signal Processing*, **2014**, 81, 393-405	1.2	43
25	Comparative Study of Discrete Component Realizations of Fractional-Order Capacitor and Inductor Active Emulators. *Journal of Circuits, Systems and Computers*, **2018**, 27, 1850170	0.9	42
24	Design of CMOS Analog Integrated Fractional-Order Circuits. *Springer Briefs in Electrical and Computer Engineering*, **2017**,	0.4	38
23	Emulation of an electrical-analogue of a fractional-order human respiratory mechanical impedance model using OTA topologies. *AEU - International Journal of Electronics and Communications*, **2017**, 78, 201-208	2.8	35
22	Emulation of current excited fractional-order capacitors and inductors using OTA topologies. *Microelectronics Journal*, **2016**, 55, 70-81	1.8	30
21	Practical Design and Evaluation of Fractional-Order Oscillator Using Differential Voltage Current Conveyors. *Circuits, Systems, and Signal Processing*, **2016**, 35, 2003-2016	2.2	27
20	Experimental Verification of Fractional-Order Filters Using a Reconfigurable Fractional-Order Impedance Emulator. *Journal of Circuits, Systems and Computers*, **2017**, 26, 1750142	0.9	21
19	Experimental behavior evaluation of series and parallel connected constant phase elements. *AEU - International Journal of Electronics and Communications*, **2017**, 74, 5-12	2.8	20
18	Synthesis and design of constant phase elements based on the multiplication of electronically controllable bilinear immittances in practice. *AEU - International Journal of Electronics and Communications*, **2017**, 78, 98-113	2.8	20
17	Practical Design of RC Approximants of Constant Phase Elements and Their Implementation in Fractional-Order PID Regulators Using CMOS Voltage Differencing Current Conveyors. *Circuits, Systems, and Signal Processing*, **2019**, 38, 1520-1546	2.2	16

List of Publications

16	Generalized Fully Adjustable Structure for Emulating Fractional-Order Capacitors and Inductors of Orders less than Two. *Circuits, Systems, and Signal Processing*, **2020**, 39, 1797-1814	2.2	14
15	Employment of the Padé approximation for implementing fractional-order lead/lag compensators. *AEU - International Journal of Electronics and Communications*, **2020**, 120, 153203	2.8	11
14	Experimental verification of filters using fractional-order capacitor and inductor emulators **2016**,		10
13	Programmable analog array of fractional-order filters with CFOAs **2017**,		9
12	Extraction of Cole-Cole model parameters through low-frequency measurements. *AEU - International Journal of Electronics and Communications*, **2018**, 84, 355-359	2.8	9
11	Tinnitus Detector Realization Using Sinh-Domain Circuits. *Journal of Low Power Electronics*, **2013**, 9, 458-470	1.2	7
10	Fractional-Order Multiphase Sinusoidal Oscillator Design Using Current-Mirrors **2018**,		5
9	Realization of current-mirror filters with large time-constants. *AEU - International Journal of Electronics and Communications*, **2014**, 68, 1261-1264	2.8	5
8	Voltage Gain-Controlled Third-Generation Current Conveyor and its All-Pass Filter Verification **2017** ,		4
7	0.5 V sinh-domain differentiator. *International Journal of Electronics Letters*, **2015**, 3, 34-44	0.6	3
6	Applications of Fractional-Order Circuits. *Springer Briefs in Electrical and Computer Engineering*, **2017**, 87-112	0.4	2
5	Switched-current fractional-order filter designs **2016**,		2
4	Design of a wood tissue impedance emulator in monolithic form **2017**,		2
3	Procedure for Designing Fractional-Order Filters. *Springer Briefs in Electrical and Computer Engineering*, **2017**, 13-39	0.4	1
2	Current-Mode Fractional-Order Filters. *Springer Briefs in Electrical and Computer Engineering*, **2017**, 41-54	0.4	1
1	Voltage-Mode Fractional-Order Filters. *Springer Briefs in Electrical and Computer Engineering*, **2017**, 55-63	0.4	