Aslihan Kartci

List of Publications by Year
in descending order

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49 papers	561 citations	840585 11 h-index	940416 16 g-index
49 all docs	49 docs citations	49 times ranked	238 citing authors

#	Article	IF	Citations
1	A variable fractionalâ€order inductor design. International Journal of Circuit Theory and Applications, 2022, 50, 1388-1399.	1.3	4
2	Fractional-Order Inductor: Design, Simulation, and Implementation. IEEE Access, 2021, 9, 73695-73702.	2.6	23
3	Accurate Empirical Fractional-Order Electrical Models of Young and Old Dentines. , 2020, 2020, 2307-2310.		0
4	A Comparative Study of Two Fractional-Order Equivalent Electrical Circuits for Modeling the Electrical Impedance of Dental Tissues. Entropy, 2020, 22, 1117.	1.1	11
5	2DOF multi-objective optimal tuning of disturbance reject fractional order PIDA controllers according to improved consensus oriented random search method. Journal of Advanced Research, 2020, 25, 159-170.	4.4	11
6	Practical Design of Fractional-Order Resonator for Application in the Multiphase Oscillator. , 2020, , .		1
7	Comparative Study of Op-Amp-based Integrators Suitable for Fractional -Order Controller Design. , 2019, , .		2
8	Synthesis and Design of Floating Inductance Simulators at VHF-Band Using MOS-Only Approach. , 2019, , .		2
9	VDIBA-Based Fractional-Order Oscillator Design. , 2019, , .		8
10	Synthesis and Optimization of Fractional-Order Elements Using a Genetic Algorithm. IEEE Access, 2019, 7, 80233-80246.	2.6	56
11	Electronically reconfigurable two-path fractional-order PI/D controller employing constant phase blocks based on bilinear segments using CMOS modified current differencing unit. Microelectronics Journal, 2019, 86, 114-129.	1.1	32
12	Electronically Adjustable Emulator of the Fractional-Order Capacitor. Elektronika Ir Elektrotechnika, 2019, 25, 28-34.	0.4	5
13	Series-, Parallel-, and Inter-Connection of Solid-State Arbitrary Fractional-Order Capacitors: Theoretical Study and Experimental Verification. IEEE Access, 2018, 6, 10933-10943.	2.6	53
14	Application of Numerical Inverse Laplace Transform Methods for Simulation of Distributed Systems with Fractional-Order Elements. Journal of Circuits, Systems and Computers, 2018, 27, 1850172.	1.0	14
15	Comparative Study of Discrete Component Realizations of Fractional-Order Capacitor and Inductor Active Emulators. Journal of Circuits, Systems and Computers, 2018, 27, 1850170.	1.0	64
16	Experimental Verification of a Fractional-Order Wien Oscillator Built Using Solid-State Capacitors. , 2018, , .		7
17	All-Pass Time Delay Circuit Magnitude Response optimization Using Fractional-Order Capacitor. , 2018, , .		0
18	CMOS-RC Colpitts Oscillator Design Using Floating Fractional-Order Inductance Simulator. , 2018, , .		12

#	Article	IF	Citations
19	New Low-Voltage CMOS Differential Difference Amplifier (DDA) and an Application Example. , 2018, , .		3
20	Practical Design of Fractional-Order Oscillator Employing Simple Resonator and Negative Resistor. , 2018, , .		9
21	Numerical simulation of nonuniform multiconductor transmission lines with HF losses in Matlab: Laplace-domain and time-domain approaches. , 2018, , .		0
22	Non-Integer-Order Low-Pass Filter with Electronically Controllable Parameters. , 2018, , .		2
23	Analysis and Verification of Identical-Order Mixed-Matrix Fractional-Order Capacitor Networks. , 2018, , .		1
24	Fractional-Order Hartley Oscillator. , 2018, , .		11
25	A Novel Pseudo-Differential Integer/ Fractional-Order Voltage-Mode All-Pass Filter. , 2018, , .		6
26	CFOA-based fractional-order oscillator design and analysis with NILT method. , 2017, , .		4
27	Comparative study of fractional-order differentiators and integrators. , 2017, , .		8
28	Voltage gain-controlled third-generation current conveyor and its all-pass filter verification. , 2017, , .		5
29	Compact MOS-RC voltage-mode fractional-order oscillator design. , 2017, , .		9
30	Fractional-order oscillator design using unity-gain voltage buffers and OTAs. , 2017, , .		26
31	Resistorless electronically tunable grounded inductance simulator design. , 2017, , .		0
32	Fractional-Order lossy transmission line with skin effect using NILT method. , 2017, , .		6
33	Matlab Simulation of Transmission Lines with Skin Effect via Fractional Telegraph Equations and NILT. , 2017, , .		2
34	Pseudo-Differential Filter Design Using Novel Adjustable Floating Inductance Simulator with Electronically Controllable Current Conveyors. Elektronika Ir Elektrotechnika, 2017, 23, .	0.4	15
35	Inductance simulator based on dual controlled CMOS voltage differencing current conveyor. , 2016, , .		4
36	Novel grounded capacitor-based resistorless tunable floating/grounded inductance simulator. , 2016, , .		6

#	Article	IF	Citations
37	Discussion on two solutions of inductance simulators using single controlled gain voltage differencing current conveyor and the most important parasitic effects. , 2016, , .		4
38	Phase shift keying modulator design employing electronically controllable all-pass sections. Analog Integrated Circuits and Signal Processing, 2016, 89, 781-800.	0.9	11
39	Modulator based on electronic change of phase shift in simple oscillator. , 2015, , .		1
40	Quadrature oscillator solution suitable with arbitrary and electronically adjustable phase shift. , 2015, , .		4
41	Behavioral models of current conveyor of second generation with advanced controllable inter-terminal relations. , 2015, , .		0
42	Two behavioral models of the electronically controlled generalized current conveyor of the second generation. , 2015, , .		3
43	Electronically tunable VDCC-based floating capacitance multiplier. , 2015, , .		6
44	Application possibilities of VDCC in general floating element simulator circuit. , 2015, , .		20
45	Importance of amplitude stability and spectral purity of produced signals in a quadrature oscillator. , 2015, , .		1
46	Z-Copy Controlled-Gain Voltage Differencing Current Conveyor: Advanced Possibilities in Direct Electronic Control of First-Order Filter. Elektronika Ir Elektrotechnika, 2014, 20, .	0.4	34
47	New Double Current Controlled CFA (DCCâ€“CFA) Based Voltageâ€“Mode Oscillator with Independent Electronic Control of Oscillation Condition and Frequency. Journal of Electrical Engineering, 2013, 64, 65-75.	0.4	19
48	Design of Novel Precise Quadrature Oscillators Employing ECCIIs with Electronic Control. Advances in Electrical and Computer Engineering, 2013, 13, 65-72.	0.5	12
49	An Additional Approach to Model Current Followers and Amplifiers with Electronically Controllable Parameters from Commercially Available ICs. Measurement Science Review, 2012, 12, .	0.6	24