

# 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	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.	1.0	64
2	Synthesis and Optimization of Fractional-Order Elements Using a Genetic Algorithm. <i>IEEE Access</i> , 2019, 7, 80233-80246.	2.6	56
3	Series-, Parallel-, and Inter-Connection of Solid-State Arbitrary Fractional-Order Capacitors: Theoretical Study and Experimental Verification. <i>IEEE Access</i> , 2018, 6, 10933-10943.	2.6	53
4	Z-Copy Controlled-Gain Voltage Differencing Current Conveyor: Advanced Possibilities in Direct Electronic Control of First-Order Filter. <i>Elektronika Ir Elektrotehnika</i> , 2014, 20, .	0.4	34
5	Electronically reconfigurable two-path fractional-order PI/D controller employing constant phase blocks based on bilinear segments using CMOS modified current differencing unit. <i>Microelectronics Journal</i> , 2019, 86, 114-129.	1.1	32
6	Fractional-order oscillator design using unity-gain voltage buffers and OTAs. , 2017, , .		26
7	An Additional Approach to Model Current Followers and Amplifiers with Electronically Controllable Parameters from Commercially Available ICs. <i>Measurement Science Review</i> , 2012, 12, .	0.6	24
8	Fractional-Order Inductor: Design, Simulation, and Implementation. <i>IEEE Access</i> , 2021, 9, 73695-73702.	2.6	23
9	Application possibilities of VDCC in general floating element simulator circuit. , 2015, , .		20
10	New Double Current Controlled CFA (DCCâ€“CFA) Based Voltageâ€“Mode Oscillator with Independent Electronic Control of Oscillation Condition and Frequency. <i>Journal of Electrical Engineering</i> , 2013, 64, 65-75.	0.4	19
11	Pseudo-Differential Filter Design Using Novel Adjustable Floating Inductance Simulator with Electronically Controllable Current Conveyors. <i>Elektronika Ir Elektrotehnika</i> , 2017, 23, .	0.4	15
12	Application of Numerical Inverse Laplace Transform Methods for Simulation of Distributed Systems with Fractional-Order Elements. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850172.	1.0	14
13	CMOS-RC Colpitts Oscillator Design Using Floating Fractional-Order Inductance Simulator. , 2018, , .		12
14	Design of Novel Precise Quadrature Oscillators Employing ECCIs with Electronic Control. <i>Advances in Electrical and Computer Engineering</i> , 2013, 13, 65-72.	0.5	12
15	Phase shift keying modulator design employing electronically controllable all-pass sections. <i>Analog Integrated Circuits and Signal Processing</i> , 2016, 89, 781-800.	0.9	11
16	Fractional-Order Hartley Oscillator. , 2018, , .		11
17	A Comparative Study of Two Fractional-Order Equivalent Electrical Circuits for Modeling the Electrical Impedance of Dental Tissues. <i>Entropy</i> , 2020, 22, 1117.	1.1	11
18	2DOF multi-objective optimal tuning of disturbance reject fractional order PIDA controllers according to improved consensus oriented random search method. <i>Journal of Advanced Research</i> , 2020, 25, 159-170.	4.4	11

#	ARTICLE	IF	CITATIONS
19	Compact MOS-RC voltage-mode fractional-order oscillator design. , 2017, , .		9
20	Practical Design of Fractional-Order Oscillator Employing Simple Resonator and Negative Resistor. , 2018, , .		9
21	Comparative study of fractional-order differentiators and integrators. , 2017, , .		8
22	VDIBA-Based Fractional-Order Oscillator Design. , 2019, , .		8
23	Experimental Verification of a Fractional-Order Wien Oscillator Built Using Solid-State Capacitors. , 2018, , .		7
24	Electronically tunable VDCC-based floating capacitance multiplier. , 2015, , .		6
25	Novel grounded capacitor-based resistorless tunable floating/grounded inductance simulator. , 2016, , .		6
26	Fractional-Order lossy transmission line with skin effect using NILT method. , 2017, , .		6
27	A Novel Pseudo-Differential Integer/ Fractional-Order Voltage-Mode All-Pass Filter. , 2018, , .		6
28	Voltage gain-controlled third-generation current conveyor and its all-pass filter verification. , 2017, , .		5
29	Electronically Adjustable Emulator of the Fractional-Order Capacitor. Elektronika Ir Elektrotechnika, 2019, 25, 28-34.	0.4	5
30	Quadrature oscillator solution suitable with arbitrary and electronically adjustable phase shift. , 2015, , .		4
31	Inductance simulator based on dual controlled CMOS voltage differencing current conveyor. , 2016, , .		4
32	Discussion on two solutions of inductance simulators using single controlled gain voltage differencing current conveyor and the most important parasitic effects. , 2016, , .		4
33	CFOA-based fractional-order oscillator design and analysis with NILT method. , 2017, , .		4
34	A variable fractional-order inductor design. International Journal of Circuit Theory and Applications, 2022, 50, 1388-1399.	1.3	4
35	Two behavioral models of the electronically controlled generalized current conveyor of the second generation. , 2015, , .		3
36	New Low-Voltage CMOS Differential Difference Amplifier (DDA) and an Application Example. , 2018, , .		3

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37	Matlab Simulation of Transmission Lines with Skin Effect via Fractional Telegraph Equations and NILT. , 2017, , .		2
38	Non-Integer-Order Low-Pass Filter with Electronically Controllable Parameters. , 2018, , .		2
39	Comparative Study of Op-Amp-based Integrators Suitable for Fractional -Order Controller Design. , 2019, , .		2
40	Synthesis and Design of Floating Inductance Simulators at VHF-Band Using MOS-Only Approach. , 2019, , .		2
41	Modulator based on electronic change of phase shift in simple oscillator. , 2015, , .		1
42	Importance of amplitude stability and spectral purity of produced signals in a quadrature oscillator. , 2015, , .		1
43	Analysis and Verification of Identical-Order Mixed-Matrix Fractional-Order Capacitor Networks. , 2018, , .		1
44	Practical Design of Fractional-Order Resonator for Application in the Multiphase Oscillator. , 2020, , .		1
45	Behavioral models of current conveyor of second generation with advanced controllable inter-terminal relations. , 2015, , .		0
46	Resistorless electronically tunable grounded inductance simulator design. , 2017, , .		0
47	All-Pass Time Delay Circuit Magnitude Response optimization Using Fractional-Order Capacitor. , 2018, , .		0
48	Numerical simulation of nonuniform multiconductor transmission lines with HF losses in Matlab: Laplace-domain and time-domain approaches. , 2018, , .		0
49	Accurate Empirical Fractional-Order Electrical Models of Young and Old Dentines. , 2020, 2020, 2307-2310.		0