

Erkan Yce

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124
papers

2,366
citations

27
h-index

41
g-index

129
ext. papers

2,899
ext. citations

1.7
avg, IF

5.8
L-index

#	Paper	IF	Citations
124	Universal current-mode filters and parasitic impedance effects on the filter performances. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 36, 161-171	2	84
123	A Modified CFOA and Its Applications to Simulated Inductors, Capacitance Multipliers, and Analog Filters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 266-275	3.9	83
122	Novel Voltage-Mode All-Pass Filter Based on Using DVCCs. <i>Circuits, Systems, and Signal Processing</i> , 2010 , 29, 391-402	2.2	76
121	New resistorless and electronically tunable realization of dual-output VM all-pass filter using VDIBA. <i>Analog Integrated Circuits and Signal Processing</i> , 2013 , 74, 141-154	1.2	73
120	Limitations of the Simulated Inductors Based on a Single Current Conveyor. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 2860-2867		71
119	A Novel Grounded Inductor Realization Using a Minimum Number of Active and Passive Components. <i>ETRI Journal</i> , 2005 , 27, 427-432	1.4	65
118	A Versatile Active Circuit for Realising Floating Inductance, Capacitance, FDNR and Admittance Converter. <i>Analog Integrated Circuits and Signal Processing</i> , 2006 , 47, 199-202	1.2	58
117	All-Grounded Passive Elements Voltage-Mode DVCC-Based Universal Filters. <i>Circuits, Systems, and Signal Processing</i> , 2010 , 29, 295-309	2.2	54
116	Grounded Inductor Simulators With Improved Low-Frequency Performances. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008 , 57, 1079-1084	5.2	52
115	A Simple Schmitt Trigger Circuit with Grounded Passive Elements and Its Application to Square/Triangular Wave Generator. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 877-888	2.2	50
114	Novel lossless and lossy grounded inductor simulators consisting of a canonical number of components. <i>Analog Integrated Circuits and Signal Processing</i> , 2009 , 59, 77-82	1.2	48
113	Resistorless floating immittance function simulators employing current controlled conveyors and a grounded capacitor. <i>Electrical Engineering</i> , 2006 , 88, 519-525	1.5	48
112	New CCII-based versatile structure for realizing PID controller and instrumentation amplifier. <i>Microelectronics Journal</i> , 2010 , 41, 311-316	1.8	45
111	On the implementation of the floating simulators employing a single active device. <i>AEU - International Journal of Electronics and Communications</i> , 2007 , 61, 453-458	2.8	45
110	On the Realization of Simulated Inductors with Reduced Parasitic Impedance Effects. <i>Circuits, Systems, and Signal Processing</i> , 2009 , 28, 451-465	2.2	44
109	A new full-wave rectifier circuit employing single dual-X current conveyor. <i>International Journal of Electronics</i> , 2008 , 95, 777-784	1.2	44
108	CCII-Based Grounded to Floating Immittance Converter and a Floating Inductance Simulator. <i>Analog Integrated Circuits and Signal Processing</i> , 2006 , 46, 287-291	1.2	43

107	On the realization of the floating simulators using only grounded passive components. <i>Analog Integrated Circuits and Signal Processing</i> , 2006 , 49, 161-166	1.2	42
106	DXCCII-based grounded inductance simulators and filter applications. <i>Microelectronics Journal</i> , 2011 , 42, 1074-1081	1.8	41
105	Memstor, memstance simulations via a versatile 4-port built with new adder and subtractor circuits. <i>International Journal of Electronics</i> , 2015 , 102, 911-931	1.2	40
104	A novel floating simulation topology composed of only grounded passive components. <i>International Journal of Electronics</i> , 2010 , 97, 249-262	1.2	39
103	NOVEL FLOATING INDUCTANCE AND FDNR SIMULATORS EMPLOYING CCII+s. <i>Journal of Circuits, Systems and Computers</i> , 2006 , 15, 75-81	0.9	37
102	Unity/Variable-gain Voltage-mode/Current-mode First-order All-pass Filters Using Single Dual-X Second-generation Current Conveyor. <i>IETE Journal of Research</i> , 2010 , 56, 305-312	0.9	33
101	CCII based more tunable voltage-mode all-pass filters and their quadrature oscillator applications. <i>AEU - International Journal of Electronics and Communications</i> , 2014 , 68, 1-9	2.8	32
100	CCII-based PID controllers employing grounded passive components. <i>AEU - International Journal of Electronics and Communications</i> , 2006 , 60, 399-403	2.8	32
99	Universal Current-Mode Active-C Filter Employing Minimum Number of Passive Elements. <i>Analog Integrated Circuits and Signal Processing</i> , 2006 , 46, 169-171	1.2	32
98	Voltage-Mode Multifunction Filters Employing a Single DVCC and Grounded Capacitors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2009 , 58, 2216-2221	5.2	31
97	Inverting CFOA Based Lossless and Lossy Grounded Inductor Simulators. <i>Circuits, Systems, and Signal Processing</i> , 2015 , 34, 3081-3100	2.2	27
96	Novel floating simulated inductors with wider operating-frequency ranges. <i>Microelectronics Journal</i> , 2009 , 40, 928-938	1.8	27
95	Universal resistorless current-mode filters employing CCCIs. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 36, 739-755	2	27
94	On the realization of high-order current-mode filter employing current controlled conveyors. <i>Computers and Electrical Engineering</i> , 2008 , 34, 165-172	4.3	26
93	A First-Order Fully Cascadable Current-Mode Universal Filter Composed of Dual Output CCIs and a Grounded Capacitor. <i>Journal of Circuits, Systems and Computers</i> , 2016 , 25, 1650042	0.9	24
92	High Input Impedance NMOS-based Phase Shifter with Minimum Number of Passive Elements. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 51-60	2.2	24
91	A new ICCII based resistor-less current-mode first-order universal filter with electronic tuning capability. <i>Microelectronics Journal</i> , 2017 , 67, 101-110	1.8	24
90	ICCI-based universal current-mode analog filter employing only grounded passive components. <i>Analog Integrated Circuits and Signal Processing</i> , 2009 , 58, 161-169	1.2	24

89	Modified DVCC based quadrature oscillator and lossless grounded inductor simulator using grounded capacitor(s). <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 76, 86-96	2.8	23
88	The Effects of Non-Idealities and Current Limitations on the Simulated Inductances Employing Current Conveyors. <i>Analog Integrated Circuits and Signal Processing</i> , 2006 , 46, 103-110	1.2	23
87	Design of a Simple Current-Mode Multiplier Topology Using a Single CCCII+. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008 , 57, 631-637	5.2	21
86	Stability problems in universal current-mode filters. <i>AEU - International Journal of Electronics and Communications</i> , 2007 , 61, 580-588	2.8	21
85	Grounded capacitance multipliers based on active elements. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 79, 243-249	2.8	20
84	New CFOA-based first-order all-pass filters and their applications. <i>AEU - International Journal of Electronics and Communications</i> , 2019 , 103, 57-63	2.8	19
83	A second-generation voltage conveyor (VCII)Based simulated grounded inductor. <i>International Journal of Circuit Theory and Applications</i> , 2020 , 48, 1180-1193	2	19
82	An Electronically Fine-Tunable Multi-InputSingle-Output Universal Filter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2011 , 58, 356-360	3.5	19
81	ALL GROUNDED PASSIVE ELEMENTS CURRENT-MODE ALL-PASS FILTER. <i>Journal of Circuits, Systems and Computers</i> , 2009 , 18, 31-43	0.9	19
80	A simple CMOS-based inductor simulator and frequency performance improvement techniques. <i>AEU - International Journal of Electronics and Communications</i> , 2012 , 66, 884-891	2.8	18
79	New low component count floating inductor simulators consisting of a single DDCC. <i>Analog Integrated Circuits and Signal Processing</i> , 2009 , 58, 61-66	1.2	18
78	All-pass sections with rich cascadability and IC realization suitability. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 477-488	2	17
77	CMOS FIRST-ORDER CURRENT-MODE ALL-PASS FILTER WITH ELECTRONIC TUNING CAPABILITY AND ITS APPLICATIONS. <i>Journal of Circuits, Systems and Computers</i> , 2013 , 22, 1350007	0.9	17
76	ICCI- Based Voltage-Mode Filter with Single Input and Six Outputs Employing Grounded Capacitors. <i>Circuits, Systems, and Signal Processing</i> , 2006 , 25, 559-566	2.2	17
75	Voltage-mode first-order universal filter realizations based on subtractors. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 90, 140-146	2.8	16
74	REALIZATION OF FIRST-ORDER CURRENT-MODE FILTERS WITH LOW NUMBER OF MOS TRANSISTORS. <i>Journal of Circuits, Systems and Computers</i> , 2013 , 22, 1250071	0.9	16
73	NOVEL CMOS TECHNOLOGY-BASED LINEAR GROUNDED VOLTAGE CONTROLLED RESISTOR. <i>Journal of Circuits, Systems and Computers</i> , 2011 , 20, 447-455	0.9	16
72	Low-Component-Count Insensitive Current-Mode and Voltage-Mode PID, PI and PD Controllers. <i>Frequenz</i> , 2006 , 60,	0.6	16

71	A new DVCC-based fully cascadable voltage-mode full-wave rectifier. <i>Journal of Computational Electronics</i> , 2016 , 15, 1440-1449	1.8	15
70	A New Transresistance-Mode Instrumentation Amplifier with Low Number of MOS Transistors and Electronic Tuning Opportunity. <i>Journal of Circuits, Systems and Computers</i> , 2016 , 25, 1650022	0.9	15
69	Electronically Tunable Simulated Transformer and Its Application to Stagger-Tuned Filter. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008 , 57, 2083-2088	5.2	15
68	A New DVCC+ Based Second-Order Current-Mode Universal Filter Consisting of Only Grounded Capacitors. <i>Journal of Circuits, Systems and Computers</i> , 2017 , 26, 1750130	0.9	14
67	A new low-power current-mode MOS only versatile precision rectifier. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 83, 40-51	2.8	14
66	CFOA based a new grounded inductor simulator and its applications. <i>Microelectronics Journal</i> , 2019 , 90, 297-305	1.8	14
65	Commercially Available Active Device Based Grounded Inductor Simulator and Universal Filter with Improved Low Frequency Performances. <i>Journal of Circuits, Systems and Computers</i> , 2017 , 26, 1750052	0.9	14
64	Grounded capacitor-based new floating inductor simulators and a stability test. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2015 , 23, 2138-2149	0.9	14
63	Current-mode electronically tunable biquadratic filters consisting of only CCCIs and grounded capacitors. <i>Microelectronics Journal</i> , 2009 , 40, 1719-1725	1.8	14
62	Single DDCC based new immittance function simulators employing only grounded passive elements and their applications. <i>Microelectronics Journal</i> , 2019 , 83, 94-103	1.8	14
61	Realization of arbitrary current transfer functions based on commercially available CCII + s. <i>International Journal of Circuit Theory and Applications</i> , 2014 , 42, 659-670	2	13
60	A novel phase shifter using two NMOS transistors and passive elements. <i>Analog Integrated Circuits and Signal Processing</i> , 2010 , 62, 77-81	1.2	13
59	CURRENT-MODE ACTIVE-C FILTER EMPLOYING REDUCED NUMBER OF CCCII+s. <i>Journal of Circuits, Systems and Computers</i> , 2007 , 16, 507-516	0.9	13
58	Inverting voltage buffer based lossless grounded inductor simulators. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 83, 131-137	2.8	12
57	Grounded capacitor based fully cascadable electronically tunable current-mode universal filter. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 79, 116-123	2.8	11
56	A novel voltage-mode universal filter composed of two terminal active devices. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 86, 202-209	2.8	10
55	A New Electronically Fine Tunable Grounded Voltage Controlled Positive Resistor. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 451-455	3.5	10
54	A Novel CMOS-Based Voltage-Mode First-Order Phase Shifter Employing a Grounded Capacitor. <i>Circuits, Systems, and Signal Processing</i> , 2010 , 29, 235-245	2.2	10

53	A HIGH INPUT IMPEDANCE VOLTAGE-MODE ALL-PASS/NOTCH FILTER USING A SINGLE VARIABLE GAIN CURRENT CONVEYOR. <i>Journal of Circuits, Systems and Computers</i> , 2008 , 17, 827-834	0.9	10
52	Comment on Realization of series and parallel R-L and C-D impedances using single differential voltage current conveyor. <i>Analog Integrated Circuits and Signal Processing</i> , 2006 , 49, 91-92	1.2	10
51	DO-CCII/DO-DVCC Based Electronically Fine Tunable Quadrature Oscillators. <i>Journal of Circuits, Systems and Computers</i> , 2017 , 26, 1750025	0.9	9
50	BANDWIDTH EXPANSION METHODS OF INDUCTANCE SIMULATOR CIRCUITS AND VOLTAGE-MODE BIQUADS. <i>Journal of Circuits, Systems and Computers</i> , 2011 , 20, 557-572	0.9	9
49	Universal Current-Mode Active-C Filters Employing Only Plus-Type Current Controlled Conveyors. <i>Frequenz</i> , 2006 , 60,	0.6	9
48	A NEW ACTIVE NETWORK SUITABLE FOR REALIZING LADDER FILTERS AND TRANSFORMER SIMULATOR. <i>Journal of Circuits, Systems and Computers</i> , 2007 , 16, 29-41	0.9	9
47	Low-component count BJT technology-based current-controlled tunable resistors and their applications. <i>IET Circuits, Devices and Systems</i> , 2013 , 7, 21-30	1.1	8
46	VARIOUS CURRENT-MODE AND VOLTAGE-MODE INSTRUMENTATION AMPLIFIER TOPOLOGIES SUITABLE FOR INTEGRATION. <i>Journal of Circuits, Systems and Computers</i> , 2010 , 19, 689-699	0.9	8
45	DESIGN AND STABILITY ANALYSIS OF MIXED-MODE FILTERS CONTAINING ONLY GROUNDED CAPACITORS. <i>Journal of Circuits, Systems and Computers</i> , 2010 , 19, 1345-1363	0.9	8
44	A BJT technology-based current-mode tunable all-pass filter. <i>Microelectronics Journal</i> , 2009 , 40, 921-927	1.8	8
43	A CMOS CURRENT RECTIFIER CONFIGURATION SUITABLE FOR INTEGRATION. <i>Journal of Circuits, Systems and Computers</i> , 2012 , 21, 1250052	0.9	8
42	New mixed-mode second-generation voltage conveyor based first-order all-pass filter. <i>IET Circuits, Devices and Systems</i> , 2020 , 14, 901-907	1.1	8
41	A new wideband electronically tunable grounded resistor employing only three MOS transistors. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2016 , 24, 2442-2453	0.9	7
40	DVCC+ based multifunction and universal filters with the high input impedance features. <i>Analog Integrated Circuits and Signal Processing</i> , 2020 , 103, 325-335	1.2	7
39	Second-Order Voltage-Mode Universal Filters Using Two DVCCs, Two Grounded Capacitors and Four Resistors. <i>Journal of Circuits, Systems and Computers</i> , 2016 , 25, 1650154	0.9	7
38	A novel full-wave rectifier/sinusoidal frequency doubler topology based on CFOAs. <i>Analog Integrated Circuits and Signal Processing</i> , 2017 , 93, 351-362	1.2	7
37	Two lossy integrator loop based current-mode electronically tunable universal filter employing only grounded capacitors. <i>Microelectronics Journal</i> , 2017 , 59, 1-9	1.8	7
36	A novel dual output universal filter topology using a single current conveyor. <i>Electrical Engineering</i> , 2007 , 89, 563-567	1.5	7

35	A new CFOA based grounded capacitance multiplier. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 115, 153034	2.8	7
34	A New Voltage-Mode Multifunctional Filter Using Only Two Voltage Followers and a Minimum Number of Passive Elements. <i>Journal of Circuits, Systems and Computers</i> , 2015 , 24, 1550085	0.9	6
33	Supplementary CCII based second-order universal filter and quadrature oscillators. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 118, 153138	2.8	6
32	Derivation of low-power first-order low-pass, high-pass and all-pass filters. <i>Analog Integrated Circuits and Signal Processing</i> , 2012 , 70, 151-156	1.2	6
31	Signal limitations of the current-mode filters employing current conveyors. <i>AEU - International Journal of Electronics and Communications</i> , 2008 , 62, 193-198	2.8	6
30	A voltage-mode PID controller using a single CFOA and only grounded capacitors. <i>Microelectronics Journal</i> , 2018 , 81, 84-93	1.8	6
29	Supplementary single active device based grounded immittance function simulators. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 94, 311-321	2.8	5
28	A New CCII Based Voltage-Mode Multifunctional Filter with Reduced Number of Active and Passive Elements. <i>Journal of Circuits, Systems and Computers</i> , 2015 , 24, 1550047	0.9	4
27	New highly linear tunable transconductor circuits with low number of MOS transistors. <i>International Journal of Electronics</i> , 2016 , 103, 1301-1317	1.2	4
26	Lossless grounded inductance simulation using only one modified dual output DDCC 2011 ,		4
25	CCII+ based fully CMOS four-quadrant multiplier 2011 ,		4
24	Multiplier, frequency doubler and squarer circuits based on voltage controlled resistors. <i>AEU - International Journal of Electronics and Communications</i> , 2011 , 65, 244-249	2.8	4
23	Comments on BITO electronically tunable high output impedance current-mode universal filter \square <i>Analog Integrated Circuits and Signal Processing</i> , 2007 , 50, 271-272	1.2	4
22	A High Performance Full-Wave Rectifier Using a Single CCII-, Two Diodes and Two Resistor. <i>Scientia Iranica</i> , 2017 , 0-0	1.5	4
21	Single DDCC based simulated floating inductors and their applications. <i>IET Circuits, Devices and Systems</i> , 2020 , 14, 796-804	1.1	4
20	A new first-order universal filter consisting of two ICCII + s and a grounded capacitor. <i>AEU - International Journal of Electronics and Communications</i> , 2021 , 137, 153802	2.8	4
19	A TUNABLE CIRCUIT FOR REALIZING ARBITRARY FLOATING IMPEDANCES. <i>Journal of Circuits, Systems and Computers</i> , 2008 , 17, 513-524	0.9	3
18	High-order current-mode low-pass, high-pass and band-pass filter responses employing CCCIs 2007 ,		3

17	Supplementary DDCC+ based universal filter with grounded passive elements. <i>AEU - International Journal of Electronics and Communications</i> , 2021 , 132, 153652	2.8	3
16	A New Simulated Inductor with Reduced Series Resistor Using a Single VCIIB. <i>Electronics (Switzerland)</i> , 2021 , 10, 1693	2.6	3
15	Synthetic Transformer Design Using Commercially Available Active Components. <i>Circuits, Systems, and Signal Processing</i> , 2020 , 39, 3770-3786	2.2	2
14	MULTI-OUTPUT CURRENT FOLLOWER BASED CURRENT-MODE UNIVERSAL FILTER EMPLOYING ONLY GROUNDED CAPACITORS. <i>Journal of Circuits, Systems and Computers</i> , 2014 , 23, 1450123	0.9	2
13	Reply to comment on Novel lossless and lossy grounded inductor simulators consisting of a canonical number of components. <i>Analog Integrated Circuits and Signal Processing</i> , 2012 , 72, 505-507	1.2	2
12	MOSFET-C-based grounded active inductors with electronically tunable properties. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22274	1.5	1
11	Analog Squarers Using Only Seven MOS Transistors and a Four Quadrant Analog Multiplier Application. <i>Journal of Circuits, Systems and Computers</i> , 2018 , 27, 1850071	0.9	1
10	Negative impedance inverter and all-pass filter realizations using adder and subtractor blocks 2014 ,		1
9	TO-CCII based voltage-mode universal biquadratic filter 2011 ,		1
8	SIFO voltage-mode universal filters employing TO-CCIIs 2012 ,		1
7	Comment Reply The effects of non-idealities and current limitations on the simulated inductances employing current conveyors. <i>Analog Integrated Circuits and Signal Processing</i> , 2007 , 51, 55-55	1.2	1
6	A Mixed-Mode filter with DVCCs and grounded passive components only. <i>AEU - International Journal of Electronics and Communications</i> , 2022 , 144, 154063	2.8	1
5	A New Grounded Capacitance Multiplier Using a Single ICFOA and a Grounded Capacitor. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	1
4	DVCC+ Based Immittance Function Simulators Including Grounded Passive Elements Only. <i>Journal of Circuits, Systems and Computers</i> , 2150278	0.9	0
3	A first-order universal filter including a grounded capacitor and two CFOAs. <i>Analog Integrated Circuits and Signal Processing</i> , 1	1.2	0
2	A New Active Device Namely S-CCI and Its Applications: Simulated Floating Inductor and Quadrature Oscillators. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022 , 1-11	3.9	0
1	Modified current follower-based immittance function simulators. <i>International Journal of Electronics</i> , 2017 , 1-18	1.2	