Erkan Yce

List of Publications by Year in Descending Order

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	A Mixed-Mode filter with DVCCs and grounded passive components only. *AEU - International Journal of Electronics and Communications*, **2022**, 144, 154063	2.8	1
123	A New Active Device Namely S-CCI and Its Applications: Simulated Floating Inductor and Quadrature Oscillators. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2022**, 1-11	3.9	0
122	Supplementary DDCC+ based universal filter with grounded passive elements. *AEU - International Journal of Electronics and Communications*, **2021**, 132, 153652	2.8	3
121	A New Grounded Capacitance Multiplier Using a Single ICFOA and a Grounded Capacitor. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1	3.5	1
120	A New Simulated Inductor with Reduced Series Resistor Using a Single VCII. *Electronics (Switzerland)*, **2021**, 10, 1693	2.6	3
119	A new first-order universal filter consisting of two ICCII + s and a grounded capacitor. *AEU - International Journal of Electronics and Communications*, **2021**, 137, 153802	2.8	4
118	MOSFET-C-based grounded active inductors with electronically tunable properties. *International Journal of RF and Microwave Computer-Aided Engineering*, **2020**, 30, e22274	1.5	1
117	A second-generation voltage conveyor (VCII)-based simulated grounded inductor. *International Journal of Circuit Theory and Applications*, **2020**, 48, 1180-1193	2	19
116	Supplementary CCII based second-order universal filter and quadrature oscillators. *AEU - International Journal of Electronics and Communications*, **2020**, 118, 153138	2.8	6
115	Synthetic Transformer Design Using Commercially Available Active Components. *Circuits, Systems, and Signal Processing*, **2020**, 39, 3770-3786	2.2	2
114	DVCC+ based multifunction and universal filters with the high input impedance features. *Analog Integrated Circuits and Signal Processing*, **2020**, 103, 325-335	1.2	7
113	New mixed-mode second-generation voltage conveyor based first-order all-pass filter. *IET Circuits, Devices and Systems*, **2020**, 14, 901-907	1.1	8
112	Single DDCC-based simulated floating inductors and their applications. *IET Circuits, Devices and Systems*, **2020**, 14, 796-804	1.1	4
111	A new CFOA based grounded capacitance multiplier. *AEU - International Journal of Electronics and Communications*, **2020**, 115, 153034	2.8	7
110	New CFOA-based first-order all-pass filters and their applications. *AEU - International Journal of Electronics and Communications*, **2019**, 103, 57-63	2.8	19
109	CFOA based a new grounded inductor simulator and its applications. *Microelectronics Journal*, **2019**, 90, 297-305	1.8	14
108	Single DDCC based new immittance function simulators employing only grounded passive elements and their applications. *Microelectronics Journal*, **2019**, 83, 94-103	1.8	14

107	A novel voltage-mode universal filter composed of two terminal active devices. *AEU - International Journal of Electronics and Communications*, **2018**, 86, 202-209	2.8	10
106	Voltage-mode first-order universal filter realizations based on subtractors. *AEU - International Journal of Electronics and Communications*, **2018**, 90, 140-146	2.8	16
105	A New Electronically Fine Tunable Grounded Voltage Controlled Positive Resistor. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 451-455	3.5	10
104	Inverting voltage buffer based lossless grounded inductor simulators. *AEU - International Journal of Electronics and Communications*, **2018**, 83, 131-137	2.8	12
103	A new low-power current-mode MOS only versatile precision rectifier. *AEU - International Journal of Electronics and Communications*, **2018**, 83, 40-51	2.8	14
102	Analog Squarers Using Only Seven MOS Transistors and a Four Quadrant Analog Multiplier Application. *Journal of Circuits, Systems and Computers*, **2018**, 27, 1850071	0.9	1
101	Supplementary single active device based grounded immittance function simulators. *AEU - International Journal of Electronics and Communications*, **2018**, 94, 311-321	2.8	5
100	A voltage-mode PID controller using a single CFOA and only grounded capacitors. *Microelectronics Journal*, **2018**, 81, 84-93	1.8	6
99	A New DVCC+ Based Second-Order Current-Mode Universal Filter Consisting of Only Grounded Capacitors. *Journal of Circuits, Systems and Computers*, **2017**, 26, 1750130	0.9	14
98	Modified current follower-based immittance function simulators. *International Journal of Electronics*, **2017**, 1-18	1.2	
97	Grounded capacitor based fully cascadable electronically tunable current-mode universal filter. *AEU - International Journal of Electronics and Communications*, **2017**, 79, 116-123	2.8	11
96	Grounded capacitance multipliers based on active elements. *AEU - International Journal of Electronics and Communications*, **2017**, 79, 243-249	2.8	20
95	Modified DVCC based quadrature oscillator and lossless grounded inductor simulator using grounded capacitor(s). *AEU - International Journal of Electronics and Communications*, **2017**, 76, 86-96	2.8	23
94	A novel full-wave rectifier/sinusoidal frequency doubler topology based on CFOAs. *Analog Integrated Circuits and Signal Processing*, **2017**, 93, 351-362	1.2	7
93	A new ICCII based resistor-less current-mode first-order universal filter with electronic tuning capability. *Microelectronics Journal*, **2017**, 67, 101-110	1.8	24
92	Commercially Available Active Device Based Grounded Inductor Simulator and Universal Filter with Improved Low Frequency Performances. *Journal of Circuits, Systems and Computers*, **2017**, 26, 1750052	0.9	14
91	Two lossy integrator loop based current-mode electronically tunable universal filter employing only grounded capacitors. *Microelectronics Journal*, **2017**, 59, 1-9	1.8	7
90	DO-CCII/DO-DVCC Based Electronically Fine Tunable Quadrature Oscillators. *Journal of Circuits, Systems and Computers*, **2017**, 26, 1750025	0.9	9

89	A High Performance Full-Wave Rectifier Using a Single CCII-, Two Diodes and Two Resistor. *Scientia Iranica*, **2017**, 0-0	1.5	4
88	A new wideband electronically tunable grounded resistor employing only three MOS transistors. *Turkish Journal of Electrical Engineering and Computer Sciences*, **2016**, 24, 2442-2453	0.9	7
87	A new DVCC-based fully cascadable voltage-mode full-wave rectifier. *Journal of Computational Electronics*, **2016**, 15, 1440-1449	1.8	15
86	Second-Order Voltage-Mode Universal Filters Using Two DVCCs, Two Grounded Capacitors and Four Resistors. *Journal of Circuits, Systems and Computers*, **2016**, 25, 1650154	0.9	7
85	New highly linear tunable transconductor circuits with low number of MOS transistors. *International Journal of Electronics*, **2016**, 103, 1301-1317	1.2	4
84	A First-Order Fully Cascadable Current-Mode Universal Filter Composed of Dual Output CCIIs and a Grounded Capacitor. *Journal of Circuits, Systems and Computers*, **2016**, 25, 1650042	0.9	24
83	A New Transresistance-Mode Instrumentation Amplifier with Low Number of MOS Transistors and Electronic Tuning Opportunity. *Journal of Circuits, Systems and Computers*, **2016**, 25, 1650022	0.9	15
82	A New CCII Based Voltage-Mode Multifunctional Filter with Reduced Number of Active and Passive Elements. *Journal of Circuits, Systems and Computers*, **2015**, 24, 1550047	0.9	4
81	Inverting CFOA Based Lossless and Lossy Grounded Inductor Simulators. *Circuits, Systems, and Signal Processing*, **2015**, 34, 3081-3100	2.2	27
80	A New Voltage-Mode Multifunctional Filter Using Only Two Voltage Followers and a Minimum Number of Passive Elements. *Journal of Circuits, Systems and Computers*, **2015**, 24, 1550085	0.9	6
79	Memstor, memstance simulations via a versatile 4-port built with new adder and subtractor circuits. *International Journal of Electronics*, **2015**, 102, 911-931	1.2	40
78	Grounded capacitor-based new floating inductor simulators and a stability test. *Turkish Journal of Electrical Engineering and Computer Sciences*, **2015**, 23, 2138-2149	0.9	14
77	MULTI-OUTPUT CURRENT FOLLOWER BASED CURRENT-MODE UNIVERSAL FILTER EMPLOYING ONLY GROUNDED CAPACITORS. *Journal of Circuits, Systems and Computers*, **2014**, 23, 1450123	0.9	2
76	Negative impedance inverter and all-pass filter realizations using adder and subtractor blocks **2014**,		1
75	Realization of arbitrary current transfer functions based on commercially available CCII + s. *International Journal of Circuit Theory and Applications*, **2014**, 42, 659-670	2	13
74	CCII based more tunable voltage-mode all-pass filters and their quadrature oscillator applications. *AEU - International Journal of Electronics and Communications*, **2014**, 68, 1-9	2.8	32
73	CMOS FIRST-ORDER CURRENT-MODE ALL-PASS FILTER WITH ELECTRONIC TUNING CAPABILITY AND ITS APPLICATIONS. *Journal of Circuits, Systems and Computers*, **2013**, 22, 1350007	0.9	17
72	New resistorless and electronically tunable realization of dual-output VM all-pass filter using VDIBA. *Analog Integrated Circuits and Signal Processing*, **2013**, 74, 141-154	1.2	73

71	REALIZATION OF FIRST-ORDER CURRENT-MODE FILTERS WITH LOW NUMBER OF MOS TRANSISTORS. *Journal of Circuits, Systems and Computers*, **2013**, 22, 1250071	0.9	16
70	Low-component count BJT technology-based current-controlled tunable resistors and their applications. *IET Circuits, Devices and Systems*, **2013**, 7, 21-30	1.1	8
69	All-pass sections with rich cascadability and IC realization suitability. *International Journal of Circuit Theory and Applications*, **2012**, 40, 477-488	2	17
68	High Input Impedance NMOS-based Phase Shifter with Minimum Number of Passive Elements. *Circuits, Systems, and Signal Processing*, **2012**, 31, 51-60	2.2	24
67	Derivation of low-power first-order low-pass, high-pass and all-pass filters. *Analog Integrated Circuits and Signal Processing*, **2012**, 70, 151-156	1.2	6
66	A simple CMOS-based inductor simulator and frequency performance improvement techniques. *AEU - International Journal of Electronics and Communications*, **2012**, 66, 884-891	2.8	18
65	A Simple Schmitt Trigger Circuit with Grounded Passive Elements and Its Application to Square/Triangular Wave Generator. *Circuits, Systems, and Signal Processing*, **2012**, 31, 877-888	2.2	50
64	Reply to comment on Novel lossless and lossy grounded inductor simulators consisting of a canonical number of components *Analog Integrated Circuits and Signal Processing*, **2012**, 72, 505-507	1.2	2
63	A CMOS CURRENT RECTIFIER CONFIGURATION SUITABLE FOR INTEGRATION. *Journal of Circuits, Systems and Computers*, **2012**, 21, 1250052	0.9	8
62	SIFO voltage-mode universal filters employing TO-CCIIs **2012**,		1
61	DXCCII-based grounded inductance simulators and filter applications. *Microelectronics Journal*, **2011**, 42, 1074-1081	1.8	41
60	An Electronically Fine-Tunable Multi-Input Single-Output Universal Filter. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2011**, 58, 356-360	3.5	19
59	TO-CCII based voltage-mode universal biquadratic filter **2011**,		1
58	Lossless grounded inductance simulation using only one modified dual output DDCC **2011**,		4
57	CCII+ based fully CMOS four-quadrant multiplier **2011**,		4
56	Multiplier, frequency doubler and squarer circuits based on voltage controlled resistors. *AEU - International Journal of Electronics and Communications*, **2011**, 65, 244-249	2.8	4
55	BANDWIDTH EXPANSION METHODS OF INDUCTANCE SIMULATOR CIRCUITS AND VOLTAGE-MODE BIQUADS. *Journal of Circuits, Systems and Computers*, **2011**, 20, 557-572	0.9	9
54	NOVEL CMOS TECHNOLOGY-BASED LINEAR GROUNDED VOLTAGE CONTROLLED RESISTOR. *Journal of Circuits, Systems and Computers*, **2011**, 20, 447-455	0.9	16

53	VARIOUS CURRENT-MODE AND VOLTAGE-MODE INSTRUMENTATION AMPLIFIER TOPOLOGIES SUITABLE FOR INTEGRATION. *Journal of Circuits, Systems and Computers*, **2010**, 19, 689-699	0.9	8
52	A novel floating simulation topology composed of only grounded passive components. *International Journal of Electronics*, **2010**, 97, 249-262	1.2	39
51	DESIGN AND STABILITY ANALYSIS OF MIXED-MODE FILTERS CONTAINING ONLY GROUNDED CAPACITORS. *Journal of Circuits, Systems and Computers*, **2010**, 19, 1345-1363	0.9	8
50	Unity/Variable-gain Voltage-mode/Current-mode First-order All-pass Filters Using Single Dual-X Second-generation Current Conveyor. *IETE Journal of Research*, **2010**, 56, 305-312	0.9	33
49	All-Grounded Passive Elements Voltage-Mode DVCC-Based Universal Filters. *Circuits, Systems, and Signal Processing*, **2010**, 29, 295-309	2.2	54
48	A Novel CMOS-Based Voltage-Mode First-Order Phase Shifter Employing a Grounded Capacitor. *Circuits, Systems, and Signal Processing*, **2010**, 29, 235-245	2.2	10
47	Novel Voltage-Mode All-Pass Filter Based on Using DVCCs. *Circuits, Systems, and Signal Processing*, **2010**, 29, 391-402	2.2	76
46	A novel phase shifter using two NMOS transistors and passive elements. *Analog Integrated Circuits and Signal Processing*, **2010**, 62, 77-81	1.2	13
45	New CCII-based versatile structure for realizing PID controller and instrumentation amplifier. *Microelectronics Journal*, **2010**, 41, 311-316	1.8	45
44	ALL GROUNDED PASSIVE ELEMENTS CURRENT-MODE ALL-PASS FILTER. *Journal of Circuits, Systems and Computers*, **2009**, 18, 31-43	0.9	19
43	Voltage-Mode Multifunction Filters Employing a Single DVCC and Grounded Capacitors. *IEEE Transactions on Instrumentation and Measurement*, **2009**, 58, 2216-2221	5.2	31
42	New low component count floating inductor simulators consisting of a single DDCC. *Analog Integrated Circuits and Signal Processing*, **2009**, 58, 61-66	1.2	18
41	ICCII-based universal current-mode analog filter employing only grounded passive components. *Analog Integrated Circuits and Signal Processing*, **2009**, 58, 161-169	1.2	24
40	Novel lossless and lossy grounded inductor simulators consisting of a canonical number of components. *Analog Integrated Circuits and Signal Processing*, **2009**, 59, 77-82	1.2	48
39	On the Realization of Simulated Inductors with Reduced Parasitic Impedance Effects. *Circuits, Systems, and Signal Processing*, **2009**, 28, 451-465	2.2	44
38	Current-mode electronically tunable biquadratic filters consisting of only CCCIIs and grounded capacitors. *Microelectronics Journal*, **2009**, 40, 1719-1725	1.8	14
37	Novel floating simulated inductors with wider operating-frequency ranges. *Microelectronics Journal* , **2009**, 40, 928-938	1.8	27
36	A BJT technology-based current-mode tunable all-pass filter. *Microelectronics Journal*, **2009**, 40, 921-927	1.8	8

35	Design of a Simple Current-Mode Multiplier Topology Using a Single CCCII+. *IEEE Transactions on Instrumentation and Measurement*, **2008**, 57, 631-637	5.2	21
34	Grounded Inductor Simulators With Improved Low-Frequency Performances. *IEEE Transactions on Instrumentation and Measurement*, **2008**, 57, 1079-1084	5.2	52
33	Electronically Tunable Simulated Transformer and Its Application to Stagger-Tuned Filter. *IEEE Transactions on Instrumentation and Measurement*, **2008**, 57, 2083-2088	5.2	15
32	A Modified CFOA and Its Applications to Simulated Inductors, Capacitance Multipliers, and Analog Filters. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 266-275	3.9	83
31	A new full-wave rectifier circuit employing single dual-X current conveyor. *International Journal of Electronics*, **2008**, 95, 777-784	1.2	44
30	A HIGH INPUT IMPEDANCE VOLTAGE-MODE ALL-PASS/NOTCH FILTER USING A SINGLE VARIABLE GAIN CURRENT CONVEYOR. *Journal of Circuits, Systems and Computers*, **2008**, 17, 827-834	0.9	10
29	A TUNABLE CIRCUIT FOR REALIZING ARBITRARY FLOATING IMPEDANCES. *Journal of Circuits, Systems and Computers*, **2008**, 17, 513-524	0.9	3
28	Signal limitations of the current-mode filters employing current conveyors. *AEU - International Journal of Electronics and Communications*, **2008**, 62, 193-198	2.8	6
27	Universal current-mode filters and parasitic impedance effects on the filter performances. *International Journal of Circuit Theory and Applications*, **2008**, 36, 161-171	2	84
26	Universal resistorless current-mode filters employing CCCIIs. *International Journal of Circuit Theory and Applications*, **2008**, 36, 739-755	2	27
25	On the realization of high-order current-mode filter employing current controlled conveyors. *Computers and Electrical Engineering*, **2008**, 34, 165-172	4.3	26
24	High-order current-mode low-pass, high-pass and band-pass filter responses employing CCCIIs **2007** ,		3
23	On the implementation of the floating simulators employing a single active device. *AEU - International Journal of Electronics and Communications*, **2007**, 61, 453-458	2.8	45
22	A novel dual output universal filter topology using a single current conveyor. *Electrical Engineering*, **2007**, 89, 563-567	1.5	7
21	Comments on SITO electronically tunable high output impedance current-mode universal filter *Analog Integrated Circuits and Signal Processing*, **2007**, 50, 271-272	1.2	4
20	Comment Reply The effects of non-idealities and current limitations on the simulated inductances employing current conveyors*Analog Integrated Circuits and Signal Processing*, **2007**, 51, 55-55	1.2	1
19	Stability problems in universal current-mode filters. *AEU - International Journal of Electronics and Communications*, **2007**, 61, 580-588	2.8	21
18	A NEW ACTIVE NETWORK SUITABLE FOR REALIZING LADDER FILTERS AND TRANSFORMER SIMULATOR. *Journal of Circuits, Systems and Computers*, **2007**, 16, 29-41	0.9	9

17	CURRENT-MODE ACTIVE-C FILTER EMPLOYING REDUCED NUMBER OF CCCII+s. *Journal of Circuits, Systems and Computers*, **2007**, 16, 507-516	0.9	13
16	ICCII-Based Voltage-Mode Filter with Single Input and Six Outputs Employing Grounded Capacitors. *Circuits, Systems, and Signal Processing*, **2006**, 25, 559-566	2.2	17
15	Low-Component-Count Insensitive Current-Mode and Voltage-Mode PID, PI and PD Controllers. *Frequenz*, **2006**, 60,	0.6	16
14	Universal Current-Mode Active-C Filters Employing Only Plus-Type Current Controlled Conveyors. *Frequenz*, **2006**, 60,	0.6	9
13	NOVEL FLOATING INDUCTANCE AND FDNR SIMULATORS EMPLOYING CCII+s. *Journal of Circuits, Systems and Computers*, **2006**, 15, 75-81	0.9	37
12	Limitations of the Simulated Inductors Based on a Single Current Conveyor. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2006**, 53, 2860-2867		71
11	CCII-based PID controllers employing grounded passive components. *AEU - International Journal of Electronics and Communications*, **2006**, 60, 399-403	2.8	32
10	Universal Current-Mode Active-C Filter Employing Minimum Number of Passive Elements. *Analog Integrated Circuits and Signal Processing*, **2006**, 46, 169-171	1.2	32
9	The Effects of Non-Idealities and Current Limitations on the Simulated Inductances Employing Current Conveyors. *Analog Integrated Circuits and Signal Processing*, **2006**, 46, 103-110	1.2	23
8	CCII-Based Grounded to Floating Immittance Converter and a Floating Inductance Simulator. *Analog Integrated Circuits and Signal Processing*, **2006**, 46, 287-291	1.2	43
7	A Versatile Active Circuit for Realising Floating Inductance, Capacitance, FDNR and Admittance Converter. *Analog Integrated Circuits and Signal Processing*, **2006**, 47, 199-202	1.2	58
6	Comment on Realization of series and parallel R-L and C-D impedances using single differential voltage current conveyor *Analog Integrated Circuits and Signal Processing*, **2006**, 49, 91-92	1.2	10
5	On the realization of the floating simulators using only grounded passive components. *Analog Integrated Circuits and Signal Processing*, **2006**, 49, 161-166	1.2	42
4	Resistorless floating immittance function simulators employing current controlled conveyors and a grounded capacitor. *Electrical Engineering*, **2006**, 88, 519-525	1.5	48
3	A Novel Grounded Inductor Realization Using a Minimum Number of Active and Passive Components. *ETRI Journal*, **2005**, 27, 427-432	1.4	65
2	DVCC+ Based Immittance Function Simulators Including Grounded Passive Elements Only. *Journal of Circuits, Systems and Computers*,2150278	0.9	0
1	A first-order universal filter including a grounded capacitor and two CFOAs. *Analog Integrated Circuits and Signal Processing*,1	1.2	0