

Sudhanshu Maheshwari

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,297
citations

361045

20
h-index

377514

34
g-index

72
all docs

72
docs citations

72
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple first order all-pass section using a single CCII. International Journal of Electronics, 2000, 87, 303-306.	0.9	111
2	Novel first order all-pass sections using a single CCIII. International Journal of Electronics, 2001, 88, 773-778.	0.9	98
3	Current-mode third-order quadrature oscillator. IET Circuits, Devices and Systems, 2010, 4, 188.	0.9	72
4	New voltage and current-mode APS using current controlled conveyor. International Journal of Electronics, 2004, 91, 735-743.	0.9	67
5	Analogue signal processing applications using a new circuit topology. IET Circuits, Devices and Systems, 2009, 3, 106-115.	0.9	67
6	Electronically tunable low-voltage mixed-mode universal biquad filter. IET Circuits, Devices and Systems, 2011, 5, 149.	0.9	55
7	A Canonical Voltage-Controlled VM-APS with a Grounded Capacitor. Circuits, Systems, and Signal Processing, 2008, 27, 123-132.	1.2	51
8	High-input low-output impedance all-pass filters using one active element. IET Circuits, Devices and Systems, 2012, 6, 103.	0.9	51
9	Quadrature oscillator using grounded components with current and voltage outputs. IET Circuits, Devices and Systems, 2009, 3, 153-160.	0.9	42
10	GROUNDING CAPACITOR FIRST-ORDER FILTERS INCLUDING CANONICAL FORMS. Journal of Circuits, Systems and Computers, 2006, 15, 289-300.	1.0	39
11	Current Conveyor All-Pass Sections: Brief Review and Novel Solution. Scientific World Journal, The, 2013, 2013, 1-6.	0.8	36
12	CURRENT CONTROLLED PRECISION RECTIFIER CIRCUITS. Journal of Circuits, Systems and Computers, 2007, 16, 129-138.	1.0	34
13	High Performance Voltage-Mode Tunable All-Pass Section. Journal of Circuits, Systems and Computers, 2015, 24, 1550080.	1.0	34
14	An Active-C Current-Mode Universal First-Order Filter and Oscillator. Journal of Circuits, Systems and Computers, 2019, 28, 1950219.	1.0	32
15	Novel cascable current-mode first order all-pass sections. International Journal of Electronics, 2007, 94, 995-1003.	0.9	30
16	Tuning approach for first-order filters and new current-mode circuit example. IET Circuits, Devices and Systems, 2018, 12, 478-485.	0.9	30
17	Novel Cascable All-Pass/Notch Filters Using a Single FDCCII and Grounded Capacitors. Circuits, Systems, and Signal Processing, 2011, 30, 643-654.	1.2	26
18	Current mode filters with reduced complexity using a single EX-CCCII. AEU - International Journal of Electronics and Communications, 2017, 80, 86-93.	1.7	24

#	ARTICLE	IF	CITATIONS
19	A fully electronically controllable Schmitt trigger and duty cycle modulated waveform generator. International Journal of Circuit Theory and Applications, 2017, 45, 2157-2180.	1.3	23
20	Current-Mode Precision Full-Wave Rectifier Circuits. Circuits, Systems, and Signal Processing, 2017, 36, 4293-4308.	1.2	23
21	Voltage-mode full-wave precision rectifier and an extended application as ASK/BPSK circuit using a single EXCCII. AEU - International Journal of Electronics and Communications, 2018, 84, 234-241.	1.7	23
22	HIGH INPUT IMPEDANCE VOLTAGE-MODE UNIVERSAL FILTER AND QUADRATURE OSCILLATOR. Journal of Circuits, Systems and Computers, 2010, 19, 1597-1607.	1.0	22
23	Electronically Tunable Quadrature Oscillator Using Translinear Conveyors and Grounded Capacitors. Active and Passive Electronic Components, 2003, 26, 193-196.	0.3	20
24	Novel Cascadable Current Mode Translinear-C Universal Filter. Active and Passive Electronic Components, 2004, 27, 215-218.	0.3	19
25	Realization of Simple Electronic Functions Using EXCCII. Journal of Circuits, Systems and Computers, 2017, 26, 1750171.	1.0	19
26	High-Performance Electronically Tunable Analog Filter Using a Single EX-CCCII. Circuits, Systems, and Signal Processing, 2021, 40, 1127-1151.	1.2	18
27	Cascadable and Tunable Analog Building Blocks Using EX-CCCII. Journal of Circuits, Systems and Computers, 2017, 26, 1750093.	1.0	17
28	NOVEL VOLTAGE-MODE UNIVERSAL FILTER USING ONLY TWO CDBAs. Journal of Circuits, Systems and Computers, 2005, 14, 159-164.	1.0	16
29	High-Density Magnetic Flash ADC Using Domain-Wall Motion and Pre-Charge Sense Amplifiers. IEEE Transactions on Magnetics, 2016, 52, 1-10.	1.2	16
30	Electronically tunable grounded immittance simulators using an EX-CCCII. International Journal of Electronics, 2020, 107, 1625-1648.	0.9	16
31	ADDITIONAL HIGH-INPUT LOW-OUTPUT IMPEDANCE VOLTAGE-MODE ALL-PASS SECTIONS. Journal of Circuits, Systems and Computers, 2014, 23, 1450077.	1.0	13
32	High Performance Four-Quadrant Analog Multiplier Using DXCCII. Circuits, Systems, and Signal Processing, 2020, 39, 54-64.	1.2	13
33	Some Analog Filters of Reduced Complexity with Shelving and Multifunctional Characteristics. Journal of Circuits, Systems and Computers, 2018, 27, 1850150.	1.0	11
34	GROUNDING CAPACITOR CM-APS WITH HIGH OUTPUT IMPEDANCE. Journal of Circuits, Systems and Computers, 2007, 16, 567-576.	1.0	10
35	Sinusoidal Generator with i^2/i^4 -Shifted Four/Eight Voltage Outputs Employing Four Grounded Components and Two/Six Active Elements. Active and Passive Electronic Components, 2014, 2014, 1-7.	0.3	9
36	Biphase amplifier based precision rectifiers using current conveyors. , 2012, , .		8

#	ARTICLE	IF	CITATIONS
37	Generalized Filter Topology Using Grounded Components and Single Novel Active Element. Circuits, Systems, and Signal Processing, 2014, 33, 3603-3619.	1.2	8
38	Single Active Element Based Cascadable Band-Pass Filters for Low-Q Applications. Journal of Circuits, Systems and Computers, 2015, 24, 1550075.	1.0	8
39	High CMRR wide bandwidth instrumentation amplifier using current controlled conveyors. International Journal of Electronics, 2004, 91, 137-137.	0.9	7
40	Single CCCCTA-based SITO biquad filter with electronic tuning. , 2011, , .		7
41	Single active element based orthogonally controllable MOSFET-C quadrature oscillator. , 2017, , .		7
42	Electronically Tunable Current-Mode Universal Biquad Filter Based on the CCCCTA. , 2009, , .		6
43	Current Conveyor Based Window Comparator Circuits. Advances in Electrical Engineering, 2016, 2016, 1-8.	1.1	5
44	Low Voltage Current Mode Instrumentation Amplifier. , 2019, , .		5
45	Realization Approach for Sinusoidal Signal Generation and Circuit with Easy Control. Journal of Circuits, Systems and Computers, 2020, 29, 2050031.	1.0	4
46	Design and implementation of current mode circuit for digital modulation. The Integration VLSI Journal, 2021, 78, 118-123.	1.3	4
47	Single Chip Realizable High Performance Full-Wave Rectifier. International Journal of Electronics, 2022, 109, 1661-1679.	0.9	4
48	Electronically tunable MOSFET-C mixed-mode quadrature oscillator. , 2009, , .		3
49	High input impedance SIMO versatile biquad filter. , 2009, , .		3
50	Subthreshold CMOS low-transconductance OTA based low-pass notch for EEG applications. , 2017, , .		3
51	Design of Configurable Analog Block-Based Oscillator and Possible Applications. Lecture Notes in Networks and Systems, 2020, , 621-630.	0.5	3
52	Simple voltage-mode quadrature oscillator using CMOS DDCC. , 2011, , .		2
53	Single input four output voltage-mode biquad filter with electronic tuning. , 2013, , .		2
54	High Speed and Low Power Sensing Amplifier based on MTJ. , 2018, , .		2

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55	All Pass Filter using DTMOS Technique. , 2020, , .		2
56	Configurable Analog Block Using Current-Mode Approach. Journal of Circuits, Systems and Computers, 2022, 31, .	1.0	2
57	Current-mode electronically tunable biquad filter. , 2011, , .		1
58	Grounded components based voltage-mode quadrature oscillators. , 2013, , .		1
59	Electronically tunable Quadrature Oscillator circuit using DXCCCII. , 2019, , .		1
60	Generalised approach for activeâ€œRC quadrature oscillator circuit with grounded capacitors. IET Circuits, Devices and Systems, 2020, 14, 758-761.	0.9	1
61	Electronic-Tuning-Facilitated Input Interface-Supported Load-Insensitive Filter with Extended Frequency Range. Journal of Circuits, Systems and Computers, 2021, 30, 2150130.	1.0	1
62	Switched-Capacitor phase shifter and topology application for other functions. Australian Journal of Electrical and Electronics Engineering, 2021, 18, 237-248.	0.7	1
63	Logic functions for mixed signal circuit design using analog block. Australian Journal of Electrical and Electronics Engineering, 0, , 1-6.	0.7	1
64	Grounded Capacitor First Order All-pass Filters Using Single Active Element. , 2009, , .		0
65	High Input Impedance VM-APs with Grounded Passive Components and One Active Element. , 2009, , .		0
66	CMOS compatible voltage-mode all-pass filters using minimum and grounded components. , 2011, , .		0
67	Electronically tunable current-mode quadrature oscillator. , 2011, , .		0
68	Digitally programmable analog building block and an application. , 2013, , .		0
69	Electronically controlled versions of analog filter and oscillator. , 2013, , .		0
70	Multi-functional electronically tunable filter using new DXCCCII. , 2019, , .		0
71	Electronically tunable mixed-mode third-order universal filter using a single EX-CCCII. Australian Journal of Electrical and Electronics Engineering, 0, , 1-17.	0.7	0