

# Sudhanshu Maheshwari

## List of Publications by Year in descending order

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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	Configurable Analog Block Using Current-Mode Approach. Journal of Circuits, Systems and Computers, 2022, 31, .	1.0	2
2	Single Chip Realizable High Performance Full-Wave Rectifier. International Journal of Electronics, 2022, 109, 1661-1679.	0.9	4
3	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
4	High-Performance Electronically Tunable Analog Filter Using a Single EX-CCCII. Circuits, Systems, and Signal Processing, 2021, 40, 1127-1151.	1.2	18
5	Design and implementation of current mode circuit for digital modulation. The Integration VLSI Journal, 2021, 78, 118-123.	1.3	4
6	Switched-Capacitor phase shifter and topology application for other functions. Australian Journal of Electrical and Electronics Engineering, 2021, 18, 237-248.	0.7	1
7	Realization Approach for Sinusoidal Signal Generation and Circuit with Easy Control. Journal of Circuits, Systems and Computers, 2020, 29, 2050031.	1.0	4
8	High Performance Four-Quadrant Analog Multiplier Using DXCCII. Circuits, Systems, and Signal Processing, 2020, 39, 54-64.	1.2	13
9	Generalised approach for activeâ€œRC quadrature oscillator circuit with grounded capacitors. IET Circuits, Devices and Systems, 2020, 14, 758-761.	0.9	1
10	All Pass Filter using DT MOS Technique. , 2020, , .		2
11	Electronically tunable grounded immittance simulators using an EX-CCCII. International Journal of Electronics, 2020, 107, 1625-1648.	0.9	16
12	Design of Configurable Analog Block-Based Oscillator and Possible Applications. Lecture Notes in Networks and Systems, 2020, , 621-630.	0.5	3
13	Low Voltage Current Mode Instrumentation Amplifier. , 2019, , .		5
14	Multi-functional electronically tunable filter using new DXCCCII. , 2019, , .		0
15	Electronically tunable Quadrature Oscillator circuit using DXCCCII. , 2019, , .		1
16	An Active-C Current-Mode Universal First-Order Filter and Oscillator. Journal of Circuits, Systems and Computers, 2019, 28, 1950219.	1.0	32
17	Some Analog Filters of Reduced Complexity with Shelving and Multifunctional Characteristics. Journal of Circuits, Systems and Computers, 2018, 27, 1850150.	1.0	11
18	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

#	ARTICLE	IF	CITATIONS
19	High Speed and Low Power Sensing Amplifier based on MTJ. , 2018, , .		2
20	Tuning approach for first-order filters and new current-mode circuit example. IET Circuits, Devices and Systems, 2018, 12, 478-485.	0.9	30
21	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
22	Cascadable and Tunable Analog Building Blocks Using EX-CCCII. Journal of Circuits, Systems and Computers, 2017, 26, 1750093.	1.0	17
23	Realization of Simple Electronic Functions Using EXCCII. Journal of Circuits, Systems and Computers, 2017, 26, 1750171.	1.0	19
24	Current-Mode Precision Full-Wave Rectifier Circuits. Circuits, Systems, and Signal Processing, 2017, 36, 4293-4308.	1.2	23
25	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
26	Single active element based orthogonally controllable MOSFET-C quadrature oscillator. , 2017, , .		7
27	Subthreshold CMOS low-transconductance OTA based low-pass notch for EEG applications. , 2017, , .		3
28	Current Conveyor Based Window Comparator Circuits. Advances in Electrical Engineering, 2016, 2016, 1-8.	1.1	5
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	Single Active Element Based Cascadable Band-Pass Filters for Low-Q Applications. Journal of Circuits, Systems and Computers, 2015, 24, 1550075.	1.0	8
31	High Performance Voltage-Mode Tunable All-Pass Section. Journal of Circuits, Systems and Computers, 2015, 24, 1550080.	1.0	34
32	ADDITIONAL HIGH-INPUT LOW-OUTPUT IMPEDANCE VOLTAGE-MODE ALL-PASS SECTIONS. Journal of Circuits, Systems and Computers, 2014, 23, 1450077.	1.0	13
33	Sinusoidal Generator with $\pm I$ /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
34	Generalized Filter Topology Using Grounded Components and Single Novel Active Element. Circuits, Systems, and Signal Processing, 2014, 33, 3603-3619.	1.2	8
35	Digitally programmable analog building block and an application. , 2013, , .		0
36	Grounded components based voltage-mode quadrature oscillators. , 2013, , .		1

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37	Electronically controlled versions of analog filter and oscillator. , 2013, , .		0
38	Single input four output voltage-mode biquad filter with electronic tuning. , 2013, , .		2
39	Current Conveyor All-Pass Sections: Brief Review and Novel Solution. Scientific World Journal, The, 2013, 2013, 1-6.	0.8	36
40	Biphase amplifier based precision rectifiers using current conveyors. , 2012, , .		8
41	High-input low-output impedance all-pass filters using one active element. IET Circuits, Devices and Systems, 2012, 6, 103.	0.9	51
42	Simple voltage-mode quadrature oscillator using CMOS DDCC. , 2011, , .		2
43	CMOS compatible voltage-mode all-pass filters using minimum and grounded components. , 2011, , .		0
44	Electronically tunable low-voltage mixed-mode universal biquad filter. IET Circuits, Devices and Systems, 2011, 5, 149.	0.9	55
45	Novel Cascadable All-Pass/Notch Filters Using a Single FDCCII and Grounded Capacitors. Circuits, Systems, and Signal Processing, 2011, 30, 643-654.	1.2	26
46	Current-mode electronically tunable biquad filter. , 2011, , .		1
47	Electronically tunable current-mode quadrature oscillator. , 2011, , .		0
48	Single CCCCTA-based SITO biquad filter with electronic tuning. , 2011, , .		7
49	Current-mode third-order quadrature oscillator. IET Circuits, Devices and Systems, 2010, 4, 188.	0.9	72
50	HIGH INPUT IMPEDANCE VOLTAGE-MODE UNIVERSAL FILTER AND QUADRATURE OSCILLATOR. Journal of Circuits, Systems and Computers, 2010, 19, 1597-1607.	1.0	22
51	Electronically tunable MOSFET-C mixed-mode quadrature oscillator. , 2009, , .		3
52	Analogue signal processing applications using a new circuit topology. IET Circuits, Devices and Systems, 2009, 3, 106-115.	0.9	67
53	Quadrature oscillator using grounded components with current and voltage outputs. IET Circuits, Devices and Systems, 2009, 3, 153-160.	0.9	42
54	High input impedance SIMO versatile biquad filter. , 2009, , .		3

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55	Grounded Capacitor First Order All-pass Filters Using Single Active Element. , 2009, , .		0
56	High Input Impedance VM-APs with Grounded Passive Components and One Active Element. , 2009, , .		0
57	Electronically Tunable Current-Mode Universal Biquad Filter Based on the CCCCTA. , 2009, , .		6
58	A Canonical Voltage-Controlled VM-APS with a Grounded Capacitor. Circuits, Systems, and Signal Processing, 2008, 27, 123-132.	1.2	51
59	GROUNDING CAPACITOR CM-APS WITH HIGH OUTPUT IMPEDANCE. Journal of Circuits, Systems and Computers, 2007, 16, 567-576.	1.0	10
60	CURRENT CONTROLLED PRECISION RECTIFIER CIRCUITS. Journal of Circuits, Systems and Computers, 2007, 16, 129-138.	1.0	34
61	Novel cascable current-mode first order all-pass sections. International Journal of Electronics, 2007, 94, 995-1003.	0.9	30
62	GROUNDING CAPACITOR FIRST-ORDER FILTERS INCLUDING CANONICAL FORMS. Journal of Circuits, Systems and Computers, 2006, 15, 289-300.	1.0	39
63	NOVEL VOLTAGE-MODE UNIVERSAL FILTER USING ONLY TWO CDBAs. Journal of Circuits, Systems and Computers, 2005, 14, 159-164.	1.0	16
64	New voltage and current-mode APS using current controlled conveyor. International Journal of Electronics, 2004, 91, 735-743.	0.9	67
65	Novel Cascable Current Mode Translinear-C Universal Filter. Active and Passive Electronic Components, 2004, 27, 215-218.	0.3	19
66	High CMRR wide bandwidth instrumentation amplifier using current controlled conveyors. International Journal of Electronics, 2004, 91, 137-137.	0.9	7
67	Electronically Tunable Quadrature Oscillator Using Translinear Conveyors and Grounded Capacitors. Active and Passive Electronic Components, 2003, 26, 193-196.	0.3	20
68	Novel first order all-pass sections using a single CCIII. International Journal of Electronics, 2001, 88, 773-778.	0.9	98
69	Simple first order all-pass section using a single CCII. International Journal of Electronics, 2000, 87, 303-306.	0.9	111
70	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
71	Logic functions for mixed signal circuit design using analog block. Australian Journal of Electrical and Electronics Engineering, 0, , 1-6.	0.7	1