

# Bhartendu Chaturvedi

## List of Publications by Year in descending order

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53  
papers

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citations

516710  
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713466  
21  
g-index

53  
all docs

53  
docs citations

53  
times ranked

141  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current-Mode MOS Only Precision Full-Wave Rectifier. IETE Journal of Research, 2023, 69, 472-481.	2.6	5
2	Single Chip Realizable High Performance Full-Wave Rectifier. International Journal of Electronics, 2022, 109, 1661-1679.	1.4	4
3	A Categorical Review on First Order Universal Filters. Recent Advances in Electrical and Electronic Engineering, 2022, 15, .	0.3	0
4	CMOS Compatible First-Order Current Mode Universal Filter Structure and its Possible Tunable Variant. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	4
5	A new CMOS compatible high performance first-order all-pass filter realisation. Australian Journal of Electrical and Electronics Engineering, 2022, 19, 349-362.	1.2	2
6	All-Pass Frequency Selective Structures: Application for Analog Domain. Journal of Circuits, Systems and Computers, 2021, 30, 2150150.	1.5	9
7	New CMOS Realizable All-Pass Frequency Selective Structures. Journal of Circuits, Systems and Computers, 2021, 30, .	1.5	6
8	CMOS Realizable and Highly Cascadable Structures of First-Order All-Pass Filters. Walailak Journal of Science and Technology, 2021, 18, .	0.5	7
9	Current-Mode First-Order Universal Filter and its Voltage-Mode Transformation. Journal of Circuits, Systems and Computers, 2020, 29, 2050149.	1.5	22
10	A Novel Voltage-Mode Configuration for First Order All-Pass Filter with One Active Element and All Grounded Passive Components. , 2020, , .		5
11	Experimental Realization of Square/Triangular Wave Generator using Commercially Available ICs. Journal of Circuits, Systems and Computers, 2020, 29, 2050224.	1.5	3
12	A general configuration for phase equalization. AIP Conference Proceedings, 2020, , .	0.4	2
13	Orthogonally Controllable VQO for Low-Voltage Applications. Energy Systems in Electrical Engineering, 2020, , 45-63.	0.7	0
14	Electronically Tunable First-Order Filters and Dual-Mode Multiphase Oscillator. Circuits, Systems, and Signal Processing, 2019, 38, 2-25.	2.0	29
15	Fully Electronically Tunable and Easily Cascadable Square/Triangular Wave Generator with Duty Cycle Adjustment. Journal of Circuits, Systems and Computers, 2019, 28, 1950105.	1.5	12
16	A Novel Realization of Current-Mode First Order Universal Filter. , 2019, , .		10
17	High CMRR Current-Mode Instrumentation Amplifier for Low Voltage and Low Power Applications. AEU - International Journal of Electronics and Communications, 2019, 104, 147-154.	2.9	7
18	SIMO Type Voltage-Mode Biquadratic Multifunction Filter. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Possible Active Elements Transposition and Applications. , 2019, , .		1
20	Multiple-Output Multiple-Mode Biquad Filter with all Grounded Passive Components. , 2019, , .		1
21	Low Voltage Operated Current-Mode First-Order Universal Filter and Sinusoidal Oscillator Suitable for Signal Processing Applications. AEU - International Journal of Electronics and Communications, 2019, 99, 110-118.	2.9	36
22	Dual-Mode Quadrature Oscillator Based on Single FDCCII with All Grounded Passive Components. Lecture Notes in Electrical Engineering, 2019, , 317-326.	0.4	5
23	Realization of ASK/BPSK Modulators and Precision Full-Wave Rectifier using DXCCII. AEU - International Journal of Electronics and Communications, 2019, 99, 146-152.	2.9	22
24	Index Seek Versus Table Scan Performance and Implementation of RDBMS. Lecture Notes in Electrical Engineering, 2019, , 411-420.	0.4	0
25	A New Versatile Universal Biquad Configuration for Emerging Signal Processing Applications. Journal of Circuits, Systems and Computers, 2018, 27, 1850196.	1.5	18
26	A novel electronically controlled Schmitt trigger with clockwise and anticlockwise hystereses. AEU - International Journal of Electronics and Communications, 2018, 89, 136-145.	2.9	9
27	Novel CMOS Dual-X Current Conveyor Transconductance Amplifier Realization with Current-Mode Multifunction Filter and Quadrature Oscillator. Circuits, Systems, and Signal Processing, 2018, 37, 2250-2277.	2.0	33
28	A novel linear square/triangular wave generator with tunable duty cycle. AEU - International Journal of Electronics and Communications, 2018, 84, 206-209.	2.9	19
29	Electronically tunable current-mode instrumentation amplifier with high CMRR and wide bandwidth. AEU - International Journal of Electronics and Communications, 2018, 92, 116-123.	2.9	16
30	Novel CMOS MOâ€CFDITA based fully electronically controlled square/triangular wave generator with adjustable duty cycle. IET Circuits, Devices and Systems, 2018, 12, 817-826.	1.4	22
31	A fully electronically controllable Schmitt trigger and duty cycleâ€modulated waveform generator. International Journal of Circuit Theory and Applications, 2017, 45, 2157-2180.	2.0	23
32	Single Active Element-Based Tunable Square/Triangular Wave Generator with Grounded Passive Components. Circuits, Systems, and Signal Processing, 2017, 36, 3875-3900.	2.0	17
33	Novel electronically controlled current-mode Schmitt trigger based on single active element. AEU - International Journal of Electronics and Communications, 2017, 82, 160-166.	2.9	16
34	Novel CMOS Current Inverting Differential Input Transconductance Amplifier and Its Application. Journal of Circuits, Systems and Computers, 2017, 26, 1750010.	1.5	19
35	Single active element based orthogonally controllable MOSFET-C quadrature oscillator. , 2017, , .		7
36	Load Insensitive, Low Voltage Quadrature Oscillator Using Single Active Element. Advances in Electrical and Electronic Engineering, 2017, 15, .	0.3	3

#	ARTICLE	IF	CITATIONS
37	DXCCTA: A new active element. , 2016, , .		7
38	Cascadable first-order current-mode all-pass filter with electronic tuning. , 2016, , .		4
39	CMOS CIDITA and its application. , 2016, , .		2
40	Novel CMOS CFDITA and its application as electronically-tunable bistable multivibrator. , 2016, , .		11
41	A Novel MO-DXCCII based CMQO Operated at Low Voltage. GRENZE International Journal of Engineering and Technology, 2016, 2, .	0.5	4
42	Single Active Element Based Cascadable Band-Pass Filters for Low-Q Applications. Journal of Circuits, Systems and Computers, 2015, 24, 1550075.	1.5	8
43	Single Active Element Based Voltage-Mode Multifunction Filter. Advances in Electrical Engineering, 2014, 2014, 1-7.	1.1	6
44	Grounded components based voltage-mode quadrature oscillators. , 2013, , .		1
45	Additional High Input Low Output Impedance Analog Networks. Active and Passive Electronic Components, 2013, 2013, 1-9.	0.3	6
46	Third-Order Quadrature Oscillator Circuit with Current and Voltage Outputs. ISRN Electronics, 2013, 2013, 1-8.	1.1	27
47	Novel Current-Mode All-Pass Filter with Minimum Component Count. International Journal of Image Graphics and Signal Processing, 2013, 5, 32-37.	1.2	11
48	Second Order Mixed Mode Quadrature Oscillator using DVCCs and Grounded Components. International Journal of Computer Applications, 2012, 58, 42-45.	0.2	17
49	Simple voltage-mode quadrature oscillator using CMOS DDCC. , 2011, , .		2
50	High output impedance CMQOs using DVCCs and grounded components. International Journal of Circuit Theory and Applications, 2011, 39, 427-435.	2.0	25
51	Current Mode Biquad Filter with Minimum Component Count. Active and Passive Electronic Components, 2011, 2011, 1-7.	0.3	28
52	Versatile quadrature oscillator with grounded components. , 2009, , .		1
53	Realization of Generalized Current-Mode Multifunction Filter. Journal of Circuits, Systems and Computers, 0, , 2150211.	1.5	2