Rawid Banchuin

List of Publications by Year
in descending order

33 papers	89 citations	2257833 3 h-index	1474057 9 g-index
35 all docs	35 docs citations	35 times ranked	86 citing authors

#	ARTICLE	IF	CITATIONS
1	On the Dimensional Consistency Aware Fractional Domain Generalization of Simplest Chaotic Circuits. Mathematical Problems in Engineering, 2020, 2020, 1-20.	0.6	42
2	On the Memristances, Parameters, and Analysis of the Fractional Order Memristor. Active and Passive Electronic Components, 2018, 2018, 1-14.	0.3	9
3	Novel expressions for time domain responses of fractance device. Cogent Engineering, 2017, 4, 1320823.	1.1	5
4	Novel Complete Probabilistic Models of Random Variation in High Frequency Performance of Nanoscale MOSFET. Journal of Electrical and Computer Engineering, 2013, 2013, 1-10.	0.6	3
5	Analytical Model of Random Variation in Drain Current of FGMOSFET. Active and Passive Electronic Components, 2015, 2015, 1-12.	0.3	3
6	Effects of Parasitic Fractional Elements to the Dynamics of Memristor. Journal of Electrical and Computer Engineering, 2019, 2019, 1-13.	0.6	3
7	On the fractional domain generalization of memristive parametric oscillators. Cogent Engineering, 2019, 6, .	1.1	3
8	Analytical model of inverse memelement with fractional order kinetic. International Journal of Circuit Theory and Applications, 0, , .	1.3	3
9	Analytical analysis and modelling of variation in gate capacitance of subthreshold MOSFET. , 2014, , .		2
10	Analytical analysis and modelling of variation in maximum frequency of oscillation of subthreshold MOSFET. , 2014, , .		2
11	The probabilistic modeling of random variation in FGMOSFET. , 2016, , .		2
12	Analysis of Memreactance with Fractional Kinetics. Mathematical Problems in Engineering, 2020, 2020, 1-25.	0.6	2
13	The Fractional Order Generalization of HP Memristor Based Chaotic Circuit with Dimensional Consistency. Cogent Engineering, 2021, 8, 1891731.	1.1	2
14	On the Application of Fractional Derivatives to the Study of Memristor Dynamics. Advances in Computer and Electrical Engineering Book Series, 2020, , 342-363.	0.2	2
15	On The Fractional Domain Analysis of HP TiO2 Memristor Based Circuits with Fractional Conformable Derivative. Cogent Engineering, 2021, 8, .	1.1	2
16	Stochastic inductance model of on chip active inductor. , 2010, , .		1
17	Batik price estimation system for textile production. , 2014, , .		1
18	A generic analytical model of fractance response in time domain. , 2015, , .		1

#	Article	IF	Citations
19	Analysis of Random Variation in Subthreshold FGMOSFET. Active and Passive Electronic Components, 2016, 2016, 1-10.	0.3	1
20	Stochastic inductance model of OTA-based inductor. , 2009, , .		0
21	Analytical expression of time domain response of arbitrary order fractance. , 2014, , .		0
22	Analytical prediction formula of random variation in high frequency performance of weak inversion scaled MOSFET. , 2014, , .		0
23	Alpha power law based model of random variation in nanometer FGMOSFET. , 2017, , .		0
24	Probabilistic model of nanometer MIFGMOSFET. , 2017, , .		0
25	Comprehensive Analytical Models of Random Variations in Subthreshold MOSFETâ€™s High-Frequency Performances. , 0, , .		0
26	A Tensor Algebraic Model of On-chip Monolithic Transformer. , 2018, , .		0
27	Time domain FDE based analysis of active fractional circuit. , 2018, , .		0
28	The modified alpha power law based model of statistical fluctuation in nanometer FGMOSFET. Cogent Engineering, 2018, 5, 1426523.	1.1	0
29	The analysis of active circuit in fractional domain. , 2018, , .		0
30	An SDE based Stochastic Analysis of Transformer. , 2019, , .		0
31	The SDE Based Stochastic Analysis of Active Filter. , 2019, , .		0
32	The Stochastic Analysis of OTA-C Filter. , 2019, , .		0
33	The FDE Based Time Domain Analysis of Nonzero Input/Nonzero Damping Ratio Fractional Order Biquadratic System. , 2020, , .		0