

# Ronilson Rocha

## List of Publications by Year in descending order

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17  
papers

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g-index

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docs citations

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times ranked

229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chua circuit based on the exponential characteristics of semiconductor devices. Chaos, Solitons and Fractals, 2022, 156, 111761.	5.1	4
2	Stability analysis for the Chua circuit with cubic polynomial nonlinearity based on root locus technique and describing function method. Nonlinear Dynamics, 2020, 102, 2859-2874.	5.2	5
3	Memristive oscillator based on Chua's circuit: stability analysis and hidden dynamics. Nonlinear Dynamics, 2017, 88, 2577-2587.	5.2	33
4	Finding hidden oscillations in the operation of nonlinear electronic circuits. Electronics Letters, 2016, 52, 1010-1011.	1.0	10
5	Stability Analysis and Mapping of Multiple Dynamics of Chua's Circuit in Full Four-Parameter Spaces. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530037.	1.7	15
6	The Negative Side of Chua's Circuit Parameter Space: Stability Analysis, Period-Adding, Basin of Attraction Metamorphoses, and Experimental Investigation. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1430025.	1.7	17
7	A Rotor Flux and Speed Observer for Sensorless Single-Phase Induction Motor Applications. International Journal of Rotating Machinery, 2012, 2012, 1-13.	0.8	24
8	A sensorless control for a variable speed wind turbine operating at partial load. Renewable Energy, 2011, 36, 132-141.	8.9	39
9	Inductor-Free Version for Chua's Oscillator Based in Electronic Analogy. , 2011, , 405-411.		0
10	Experimental characterization of nonlinear systems: a real-time evaluation of the analogous Chua's circuit behavior. Nonlinear Dynamics, 2010, 62, 237-251.	5.2	18
11	Multivariable H2 and H $\infty$ control for a wind energy conversion system: a comparison. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2010, 32, 510-518.	1.6	4
12	A sensorless control for wind turbine. , 2009, , .		0
13	An inductor-free realization of the Chua's circuit based on electronic analogy. Nonlinear Dynamics, 2009, 56, 389-400.	5.2	21
14	Efficiency parameters estimation in gemstones cut design using artificial neural networks. Computational Materials Science, 2007, 38, 727-736.	3.0	6
15	A Methodology for the Teaching of Dynamical Systems Using Analogous Electronic Circuits. International Journal of Electrical Engineering and Education, 2006, 43, 334-345.	0.8	12
16	Desenvolvimento de ferramenta computacional para auxílio ao projeto de gemas lapidadas. Revista Escola De Minas, 2005, 58, 367-373.	0.1	0
17	Analogia eletrônica no ensino de física. Revista Brasileira De Ensino De Fisica, 2005, 27, 211-218.	0.2	0