

Ronilson Rocha

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

208
citations

1040056

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1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

229
citing authors

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