Rero Marques Rubinger

List of Publications by Year
in descending order

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43 papers	794 citations	623734 14 h-index	501196 28 g-index
43 all docs	43 docs citations	43 times ranked	1063 citing authors

#	Article	IF	Citations
1	Doping strategies for increased performance in BiFeO3. Journal of Magnetism and Magnetic Materials, 2009, 321, 1692-1698.	2.3	161
2	Sulfonated polystyrene polymer humidity sensor: Synthesis and characterization. Sensors and Actuators B: Chemical, 2007, 123, 42-49.	7.8	90
3	Self-similar structures in a 2D parameter-space of an inductorless Chua's circuit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4793-4798.	2.1	71
4	Influence of the strong magnetocrystalline anisotropy on the magnetocaloric properties of MnP single crystal. Physical Review B, 2008, 77, .	3.2	62
5	Impacts of temperature and irradiance on polycrystalline silicon solar cells parameters. Solar Energy, 2018, 174, 628-639.	6.1	57
6	Hopping conduction on PAni/PSS blends. Synthetic Metals, 2009, 159, 523-527.	3.9	28
7	Complex periodic structures in bi-dimensional bifurcation diagrams of a RLC circuit model with a nonlinear NDC device. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2050-2053.	2.1	27
8	Lyapunov exponent diagrams of a 4-dimensional Chua system. Chaos, 2011, 21, 033105.	2.5	26
9	Spin resonance of electrons localized on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Ge</mml:mi><mml:mo>â^•</mml:mo><mml:mi mathvariant="normal">Si</mml:mi></mml:mrow></mml:math>quantum dots. Physical Review B, 2008, 77, .	3.2	24
10	Temperature-dependent activation energy and variable range hopping in semi-insulating GaAs. Semiconductor Science and Technology, 2006, 21, 1681-1685.	2.0	22
11	High-resolution parameter space of an experimental chaotic circuit. Chaos, 2010, 20, 023110.	2.5	22
12	Mutual Information Rate and Bounds for It. PLoS ONE, 2012, 7, e46745.	2.5	22
13	Coexistence of spontaneous ferroelectricity and weak ferromagnetism in Bi_{0.8}Pb_{0.2}FeO_{2.9}perovskite. Journal of Physics Condensed Matter, 2008, 20, 155207.	1.8	18
14	Theoretical and experimental time series analysis of an inductorless Chuaâ€™s circuit. Physica D: Nonlinear Phenomena, 2007, 233, 66-72.	2.8	15
15	Periodicity detection on the parameter-space ofÂaÂforced Chuaâ€™s circuit. Nonlinear Dynamics, 2012, 67, 385-392.	5.2	14
16	Thermally stimulated current spectroscopy on silicon planar-doped GaAs samples. Journal of Applied Physics, 1998, 84, 3764-3769.	2.5	13
17	Magnetic and Electrical Properties of MnxCu1-xFe2O4 Ferrite. Materials Research, 2016, 19, 786-790.	1.3	13
18	Characterization of a Sulfonated Polycarbonate Resistive Humidity Sensor. Sensors, 2013, 13, 2023-2032.	3.8	12

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19	Inductorless Chua's Circuit: Experimental Time Series Analysis. Mathematical Problems in Engineering, 2007, 2007, 1-16.	1.1	11
20	Parameter space of experimental chaotic circuits with high-precision control parameters. Chaos, 2016, 26, 083107.	2.5	11
21	Ferromagnetic Resonance and Hall Effect Characterization of GaMnSb Layers. Journal of Superconductivity and Novel Magnetism, 2007, 20, 399-403.	1.8	10
22	Antilocalization effect on photo-generated carriers in semi-insulating GaAs sample. Materials Research, 2012, 15, 530-535.	1.3	8
23	Low frequency oscillations in semi-insulating GaAs: A nonlinear analysis. Chaos, 2003, 13, 457-466.	2.5	7
24	Magnetic properties of MnP nanowhiskers grown by MBE. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2037-2039.	2.7	7
25	Comparative and quantitative analysis of white light-emitting diodes and other lamps used for home illumination. Optical Engineering, 2015, 54, 014104.	1.0	6
26	Main scattering mechanisms in InAs/GaAs multi-quantum-well: a new approach by the global optimization method. Journal of Materials Science, 2016, 51, 1333-1343.	3.7	6
27	Blockade of free carriers by hopping carriers leading to the low-frequency current oscillations in semi-insulating GaAs. Physical Review B, 2006, 74, .	3.2	5
28	Effects of Work Function and Electron Affinity on the Performance of Carrier-Selective Contacts in Silicon Solar Cells Using ZnSn_{$_ext{} x $} Ge_{$_ext{} 1-x $}N$_ext{2}$ as a Case Study. IEEE Journal of Photovoltaics, 2021, 11, 1350-1357.	2.5	5
29	Conduction mechanisms inp-type Pb1â^'xEuxTe alloys in the insulator regime. Journal of Applied Physics, 2012, 111, 123708.	2.5	4
30	Determination of thickness and refractive index of SiO2 thin films using the cross-entropy global optimization method. Research, Society and Development, 2021, 10, e326101019028.	0.1	3
31	Controlling chaos with magnetic field in semi-insulating GaAs. Physical Review B, 2007, 76, .	3.2	2
32	A Robust System for Thermoelectric Device Characterization. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-7.	4.7	2
33	InstrumentaÃ§Ã£o para medidas de mobilidade eletrÃ´nica e concentraÃ§Ã£o de portadores em amostras semicondutoras, pelo mÃ©todo de van der Pauw. Research, Society and Development, 2021, 10, e41310615229.	0.1	2
34	Preparation and characterization of palladium-doped titanium dioxide for solar cell applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 280, 115702.	3.5	2
35	Concentrated Solar Power with Thermoelectric Generatorâ€"An Approach Using the Cross-Entropy Optimization Method. Energies, 2022, 15, 4774.	3.1	2
36	On the effect of a parallel resistor in the Chua's circuit. Journal of Physics: Conference Series, 2011, 285, 012005.	0.4	1

#	Article	IF	Citations
37	Characterization of a solar concentration thermoelectric generator. European Journal of Physics, 0, , .	0.6	1
38	Investigation of electronic transport in InAs/GaAs samples. A study using the metaheuristic self-adaptive differential evolution method. Physica B: Condensed Matter, 2021, 621, 413293.	2.7	1
39	Magnetic properties and potential barrier between crystallites model of MgGa2-xFexO4 ceramics. Ceramica, 2016, 62, 365-369.	0.8	1
40	Asymmetry effect on the spin relaxation in quantum dot structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 833-836.	0.8	0
41	SÃntese, caracterizaÃ§Ã£o magnÃ©tica e elÃ©trica da ferrita de aluminato de cobre. Research, Society and Development, 2021, 10, e31210817314.	0.1	0
42	MICROESTRUTURA, PROPRIEDADES MAGNÃ‰TICAS E DIELETRICAS DA FERRITA DE COBRE E NIÃ“BIO. Tecnologia Em Metalurgia, Materiais E Mineracao, 2018, 15, 115-121.	0.2	0
43	Low-temperature impedance spectroscopic analyses of ceramic electrodes based on Mo and Co co-doped SnO2. Processing and Application of Ceramics, 2019, 13, 360-367.	0.8	0