ClÃ³ves GonÃ§alves Rodrigues

List of Publications by Year
in descending order

57	433	566801 15	839053 18
papers	citations	h-index	g-index

57	57	57	108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimentos prÃ¡ticos e didÃ¡ticos de baixo custo para o ensino de Ã³ptica: reflexÃ£o, refraÃ§Ã£o e espelhos planos. Conjeturas, 2022, 22, 916-935.	0.0	0
2	Atividades experimentais de baixo custo para o ensino de mecÃ¢nica. , 2022, 22, 909-932.		0
3	Nonlinear charge transport in highly polar semiconductors: GaN, AlN, InN and GaAs. Pramana - Journal of Physics, 2021, 95, 1.	0.9	3
4	Hot carrier dynamics of photoinjected plasma in indium nitride. European Physical Journal B, 2021, 94, 1.	0.6	1
5	Nonlinear higher-order hydrodynamics: Fluids under driven flow and shear pressure. Physics of Fluids, 2021, 33, 067111.	1.6	4
6	Ultrafast dynamics of carriers and phonons of photoinjected double-plasma in aluminium nitride. Revista Mexicana De FÃsica, 2021, 67, 318-323.	0.2	2
7	Extended Navierâ€“Stokes Equations in the Framework of Higher-Order Generalized Hydrodynamics. Brazilian Journal of Physics, 2021, 51, 1904-1915.	0.7	0
8	Panorama do mercado global da indÃºstria de semicondutores / Overview of the global semiconductor industry market. Brazilian Journal of Development, 2021, 7, 74936-74944.	0.0	0
9	Electron Mobility in Bulk n-Doped SiC-Polytypes 3C-SiC, 4H-SiC, and 6H-SiC: A Comparison. Semiconductors, 2021, 55, 625-632.	0.2	2
10	Glucose is an active chemical agent on degradation of hydroxyapatite nanostructure. Materials Chemistry and Physics, 2020, 240, 122166.	2.0	10
11	Anisotropic Carrier Transport in n-Doped 6H-SiC. Physics of the Solid State, 2020, 62, 110-115.	0.2	4
12	Immobilization of Paclitaxel on Hydroxyapatite for Breast Cancer Investigations. Langmuir, 2020, 36, 8723-8732.	1.6	6
13	TRANSPORTE DE CARGA ELÃ‰TRICA NO SEMICONDUTOR 4H-SiC DOPADO TIPO p. Interfaces CientÃficas - Exatas E TecnolÃ³gicas, 2020, 4, 144-159.	0.0	1
14	Anisotropic hole drift velocity in 4H-SiC. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 249, 114426.	1.7	3
15	Statistical Mesoscopic Hydro-thermodynamics: the Description of Kinetics and Hydrodynamics of Nonequilibrium Processes in Single Liquids. Brazilian Journal of Physics, 2019, 49, 277-287.	0.7	4
16	Study of Electron Transport in 4H-SiC by Using Nonequilibrium Statistical Ensemble Formalism. Brazilian Journal of Physics, 2019, 49, 494-501.	0.7	2
17	CaracterizaÃ§Ã£o do transporte de portadores de carga no semicondutor Sulfeto de Zinco (ZnS) dopado tipo n. Revista TecnolÃ³gica, 2019, 28, 39-50.	0.1	0
18	Electron transport in bulk n-doped 3C-SiC by using a non-equilibrium quantum kinetic theory. European Physical Journal B, 2019, 92, 1.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Estudo do Transporte EletrÃ´nico no Semicondutor Arseneto de GÃ¡lio Usando a EquaÃ§Ã£o de Newton-Langevin. Revista ArithmÃ³s, 2019, 1, 47.	0.0	0
20	The calculated low-energy side of the luminescence spectrum in zinc selenide. Journal of Luminescence, 2018, 199, 450-453.	1.5	4
21	Statistical Irreversible Thermodynamics in the Framework of Zubarevâ€™s Nonequilibrium Statistical Operator Method. Theoretical and Mathematical Physics(Russian Federation), 2018, 194, 4-29.	0.3	18
22	Nonâ€Equilibrium Boseâ€“Einsteinâ€Like Condensation. Advanced Quantum Technologies, 2018, 1, 1800023.	1.8	7
23	Maxwell times in higher-order generalized hydrodynamics: Classical fluids, and carriers and phonons in semiconductors. Physical Review E, 2017, 95, 022104.	0.8	6
24	Ultrafast Transport Transient in n-Doped ZnS in Wurtzite and Zincblende Phases. Condensed Matter, 2017, 2, 12.	0.8	2
25	Interatomic correlations moments of atoms in the two-dimensional hexagonal lattice by using Morse and Lenardâ€“Jones potentials. Physica B: Condensed Matter, 2016, 490, 46-48.	1.3	1
26	Higherâ€order generalized hydrodynamics of carriers and phonons in semiconductors in the presence of electric fields: Macro to nano. Physica Status Solidi (B): Basic Research, 2015, 252, 2802-2819.	0.7	9
27	Topics in Present-day Science Technology and Innovation: Ultrafast Relaxation Processes in Semiconductors. Materials Research, 2015, 18, 453-467.	0.6	4
28	Response Function Theory for Many-Body Systems Away from Equilibrium: Conditions of Ultrafast-Time and Ultrasmall-Space Experimental Resolution. Brazilian Journal of Physics, 2015, 45, 166-193.	0.7	2
29	Higher-order generalized hydrodynamics: Foundations within a nonequilibrium statistical ensemble formalism. Physical Review E, 2015, 91, 063011.	0.8	12
30	Complexidade, auto-organizaÃ§Ã£o e informaÃ§Ã£o em sistemas dinÃ¢micos. Revista Brasileira De Ensino De Fisica, 2015, 37, 2314-1-2314-30.	0.2	1
31	Thermal conductivity in higher-order generalized hydrodynamics: Characterization of nanowires of silicon and gallium nitride. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 60, 50-58.	1.3	14
32	Mesoscopic hydro-thermodynamics of phonons in semiconductors: heat transport in III-nitrides. European Physical Journal B, 2013, 86, 1.	0.6	18
33	Drifting electron excitation of acoustic phonons: Cerenkov-like effect in n-GaN. Journal of Applied Physics, 2013, 113, 113701.	1.1	17
34	Onset for the Electron Velocity Overshoot in Indium Nitride. Chinese Physics Letters, 2012, 29, 127201.	1.3	2
35	Nonlinear electronic transport behavior in Indium Nitride. Materials Chemistry and Physics, 2012, 137, 317-322.	2.0	5
36	The role of nonequilibrium thermo-mechanical statistics in modern technologies and industrial processes: an overview. Brazilian Journal of Physics, 2010, 40, 63-91.	0.7	18

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37	Evolution kinetics of nonequilibrium longitudinal-optical phonons generated by drifting electrons in III-nitrides: longitudinal-optical-phonon resonance. Journal of Applied Physics, 2010, 108, 033716.	1.1	20
38	Theoretical calculations of nonlinear electronic transport behavior in IIIâ€nitrides: GaN and AlN. Physica Status Solidi (B): Basic Research, 2009, 246, 417-425.	0.7	9
39	Transient transport in III-nitrides: interplay of momentum and energy relaxation times. Journal of Physics Condensed Matter, 2007, 19, 346214.	0.7	14
40	Nonlinear hole transport and nonequilibrium thermodynamics in group III-nitrides under the influence of electric fields. Journal of Applied Physics, 2007, 102, 073714.	1.1	17
41	Hot-carrier relaxation in photoinjected ZnSe. Microelectronics Journal, 2007, 38, 24-26.	1.1	5
42	Electron transport in GaN(ZB) and AlN(WZ). Journal of Materials Science, 2007, 42, 396-400.	1.7	5
43	Nonlinear charge transport in III-N semiconductors: Mobility, diffusion, and a generalized Einstein relation. Journal of Applied Physics, 2006, 99, 073701.	1.1	21
44	Non-Linear electron mobility in n-doped III-Nitrides. Brazilian Journal of Physics, 2006, 36, 255.	0.7	19
45	Electron mobility in n-doped zinc sulphide. Microelectronics Journal, 2006, 37, 657-660.	1.1	15
46	Nonlinear transport in n-III-nitrides: Selective amplification and emission of coherent LO phonons. Solid State Communications, 2006, 140, 135-140.	0.9	21
47	Ultrafast relaxation kinetics of photoinjected plasma in III-nitrides. Journal Physics D: Applied Physics, 2005, 38, 3584-3589.	1.3	18
48	Nonlinear transport properties of doped III-N and GaAs polar semiconductors: A comparison. Journal of Applied Physics, 2005, 98, 043703.	1.1	19
49	Nonlinear transport properties of III-nitrides in electric field. Journal of Applied Physics, 2005, 98, 043702.	1.1	24
50	The Melting Curve of Argon by Using Lindemann's Criterion. European Physical Journal D, 2004, 54, 849-856.	0.4	0
51	Electron mobility in nitride materials. Brazilian Journal of Physics, 2002, 32, 439-441.	0.7	17
52	Urbachâ€™s tail in III-nitrides under an electric field. Journal of Applied Physics, 2001, 90, 1879-1882.	1.1	20
53	ComparaÃ§Ã£o entre as Ementas de um Curso de MecÃ¢nica QuÃ¢ntica e FÃsica Moderna. Revista Brasileira De Ensino De Fisica, 2001, 23, 360-365.	0.2	0
54	Nonequilibrium ensemble derivation of hydrodynamic heat transport and higher-order generalizations. Indian Journal of Physics, 0, , 1.	0.9	1

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55	Sobre modelagem matemÃ¡tica e formalismos estatÃsticos de sistemas complexos. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	1
56	A funÃ§Ã£o relativÃstica de distribuiÃ§Ã£o de velocidades de Maxwell-JÃ¼ttner. Revista Brasileira De Ensino De Fisica, 0, 44, .	0.2	1
57	Transporte EletrÃ´nico no Semicondutor Carbeto de SilÃcio na Fase 3C. , 0, 8, .		0