PUBLICAÇÕES DO PROGRAMA DE PÓS-GRADUAÇÃO EM FÍSICA

2020

ID	Artigo	JCR 2020	Qualis (2017-18)
1.	**Induced Maxwell-Chern-Simons effective action in very special relativity** R. Bufalo, M. Ghasemkhani, Z. Haghgouyan, A. Soto. ***The European Physical Journal C 80, 1129 (2020)*** https://doi.org/10.1140/epjc/s10052-020-08660-x	**4,389**	**A2**
2.	**Magnetoelastic properties of a spin-1/2 Ising-Heisenberg diamond chain in vicinity of a triple coexistence point** Nayara Ferreira, J. Torrico, S.M. de Souza, O. Rojas, J. Strecka. ***Condensed Matter Physics 23, 43713 (2020)*** https://doi.org/10.5488/CMP.23.43713	**0,581**	**B2**
3.	**Quantum particle motion on the surface of a helicoid in the presence of harmonic oscillator** M. C. R. Ribeiro Jr. , M. M. Cunha, , Cleverson Filgueiras, E. O. Silva. ***Physics Open 5, 100045 (2020)*** https://www.sciencedirect.com/science/article/pii/S2666032620300326	**XX**	**XX**

4.	**Higher-order one-loop renormalization in the spinor sector of minimal LV extended QED** L. C. T. Brito, J. C. C. Felipe, J. R. Nascimento, A. Y. Petrov, A. P. Baêta Scarpelli. ***Physical Review D 102, 075017 (2020)*** https://doi.org/10.1103/PhysRevD.102.075017	**4,833**	**A2**
5.	**Raman spectroscopy polarization dependence analysis in two-dimensional gallium sulfide** R. S. Alencar, R. Longuinhos, C. Rabelo, H. Miranda, B. C. Viana, A. G. Souza Filho, L. G. Cançado, A. Jorio, Jenaina Ribeiro-Soares. ***Physical Review B 102, 165307 (2020)*** https://doi.org/10.1103/PhysRevB.102.165307	**3,575**	**A2**
6.	**Equivalency between adaptative notch filter PLL and inverse park PLL by modeling and parameter adjustment** M. J. da Silva, S. C. C. Ferreira, J.P. da Silva, M. G. dos Santos, A. L. Paganotti, L. M. Barbosa. ***IEEE Latim American Transactions (2020)*** https://latamt.ieeer9.org/index.php/transactions/article/view/4511/902	**0,804**	**B2**
7.	**A conjecture on the relationship between critical residual entropy and finite temperature pseudo-transitions of one-dimensional models** O. Rojas ***Brazilian Journal of Physics 50, 675 (2020)*** https://link.springer.com/article/10.1007%2Fs13538-020-00773-8	**0,895**	**A4**

8.	**A física das cidades** **F.L. Ribeiro.** ***Revista de Morfologia Urbana 8, e00159 (2020)*** http://revistademorfologiaurbana.org/index.php/rmu/article/view/159	**XX**	**B1**
9.	**Evolução das leis de escala urbanas** J. V. Meirelles, C. R. Neto, F. F. Ferreira, **F.L. Ribeiro**, C. R. Binder. ***Revista de Morfologia Urbana 8, e00168 (2020)*** http://revistademorfologiaurbana.org/index.php/rmu/article/view/168	**XX**	**B1**
10.	**Temperature-dependent phonon dynamics and anharmonicity of suspended and supported few-layer gallium sulfide** F. V. de Araujo, V. V. Oliveira, A. C. Gadelha, T. C. V. Carvalho, T. F. D. Fernandes, F. W. N. Silva, **R. Longuinhos**, **J. Ribeiro-Soares**, A. Jorio, A. G. S. Filho, R. S. Alencar, B. C. Viana. ***Nanotechnology 31, 495702 (2020)*** https://iopscience.iop.org/article/10.1088/1361-6528/abb107	**3,551**	**A3**
11.	**Extended metastable dark energy** J. A. S. Lima, G. J. M. Zilioti, **L. C. T. Brito.** ***Physics of the Dark Universe 30, 100713 (2020)*** https://www.sciencedirect.com/science/article/abs/pii/S221268642030426X	**4,473**	**A3**

12.	**Thermal entanglement and correlated coherence in two coupled double quantum dots systems** **C. Filgueiras, O. Rojas, M. Rojas.** ***Annalen der Physik 532, 2000207 (2020)*** https://onlinelibrary.wiley.com/doi/full/10.1002/andp.202000207	**3,317**	**A2**
13.	**Utilizing Splintex 2.0 for estimating the soil hydraulic conductivity curve measured with in-stantaneous profile method** A. C. da Silva, **R. A. Armindo**, C. L. Prevedello. ***Soil and Tillage Research 204, 104722 (2020)*** https://www.sciencedirect.com/science/article/pii/S0167198720305043	**4,601**	**A1**
14.	**Estimation and mapping of field capacity in Brazilian soils** M. E. Turek, Q. de J. van Lier, **R. A. Armindo**. ***Geoderma 376, 114557 (2020)*** https://www.sciencedirect.com/science/article/abs/pii/S0016706120301300	**4,848**	**A1**
15.	**Residual entropy and low temperature pseudo-transition for one-dimensional models** **Onofre Rojas**. ***Acta Physica Polonica A 137, 933 (2020)*** http://przyrbwn.icm.edu.pl/APP/PDF/137/app137z5p105.pdf	**0,579**	**B1**

16.	**On the relation between transversal and longitudinal scaling cities** F.L. Ribeiro, J. Meirelles, V. M. Netto, C. R. Neto, A. Baronchelli. ***Plos One 15, e0233003 (2020)*** https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0233003	**2,870**	**A1**
17.	**Superior stiffness and vibrational spectroscopic signature of two-dimensional diamond-like carbon nitrides** R. Longuinhos, J. Ribeiro-Soares. ***Physica E: Low-dimensional Systems and Nanostructures 119, 114007 (2020)*** https://www.sciencedirect.com/science/article/pii/S1386947719316960?via%3Dihub	**3,570**	**B1**
18.	**Tuning the Schottky barrier height in graphene/monolayer-Ge2 van der Waals heterostructure** D. P. de Andrade, I. S. S. de Oliveira. ***Journal of Physics: Condensed Matter 32, 355501 (2020)*** https://iopscience.iop.org/article/10.1088/1361-648X/ab8bf8	**2,707**	**A3**
19.	**Soil water and fuel permeability of a Cambisol in southern Brazil and its spatial behavior: A case study** L. Gonçalves-Maduro, R. A. Armindo, M. E. Turek, O. Wendroth. ***Vadose Zone Journal 19, 104722 (2020)*** https://acsess.onlinelibrary.wiley.com/doi/full/10.1002/vzj2.20035	**2,504**	**A2**

20.	**Preparation of mesoporous activated carbon from defective coffee beans for adsorption of fresh whey proteins** Giovanni Aleixo Batista, Maria Letícia Martins Silva, Willian de Paula Gomes, Isabelle Cristina Oliveira Neves, Paula Chequer Gouveia Mól, Jaime Vilela de Resende, Lizzy Ayra Alcântara Veríssimo, **J. Ribeiro-Soares** ***Acta Scientiarum Technology 42, e45914 (2020)*** http://www.periodicos.uem.br/ojs/index.php/ActaSciTechnol/article/view/45914	**0,315**	**B2**
21.	**Splintex 2.0: a physically-based model to estimate water retention and hydraulic conductivity parameters from soil physical data** Alessandra Silva, **R. A. Armindo**, Celso Prevedello. ***Computers and Electronics in Agriculture 169, 105157 (2020)*** https://www.sciencedirect.com/science/article/pii/S016816991931511X	**3,858**	**A1**
22.	**18- Cities and Entopy: Assssing Urban Sustainability as a Problem of Coordination** V. M. Netto, J. Meirelles, **F.L. Ribeiro**. ***Capítulo de Livro: Focal Points of Urban Sustainability (2020)*** https://www.cambridge.org/core/books/sustainability-assessment-of-urban-systems/cities-and-entropy-assessing-urban-sustainability-as-a-problem-of-coordination/83D93195E53A8B8579E974CEF9AEEB81#	**XX**	**XX**

23.	**Magnetic behavior of a ferroferrimagnetic ternary alloy ABρC1-ρ with a selective site disorder: Case study of a mixed-spin Ising model on a honeycomb lattice** J. Torrico, J. Strecka, **Onofre Rojas**, **S. M. de Souza**, M. L. Lyra. ***Physical Review E 101, 032104 (2020)*** https://doi.org/10.1103/PhysRevE.101.032104	**2,296**	**A2**
24.	**Spontaneous decay of a dressed harmonic oscillator inside a spherical cavity** **G. Flores-Hidalgo, M. M. Silva, Onofre Rojas**. ***Brazilian Journal of Physics 50, 215 (2020)*** https://link.springer.com/article/10.1007/s13538-020-00748-9	**0,895**	**A4**
25.	**One-loop photon's effective action in the noncommutative scalar QED3** M. Ghasemkhani, **R. Bufalo**, V. Rahmanpour, M. Alipour. ***Physical Review D 101, 025001 (2020)*** https://journals.aps.org/prd/abstract/10.1103/PhysRevD.101.025001	**4,833**	**A2**
26.	**Coffee growing altitude influences the microbiota, chemical compounds and the quality of fermented coffees** Pâmela Mynsen Machado Martins, Nádia Nara Batista, Maria Gabriela da Cruz Pedrozo Miguel, João Batista Pavesi Simão, **J. Ribeiro-Soares**, Rosane Freitas Schwan. ***Food Research International 129, 108872 (2020)*** https://www.sciencedirect.com/science/article/abs/pii/S0963996919307586	**4,972**	**A1**

27.	**Peculiarities in pseudo-transitions of a mixed spin-(1/2,1) Ising-Heisenberg double-tetrahedral chain in an external magnetic field** **Onofre Rojas**, Jozef Strecka, Oleg Derzhko, **S. M. de Souza.** ***Journal of Physics: Condensed Matter 32, 035804 (2020)*** https://iopscience.iop.org/article/10.1088/1361-648X/ab4acc/meta	**2,707**	**A3**
28.	**Raman Spectrum of Layered Jacutingaite (Pt_2Hgse_3) Crystals – Experimental and Theoretical Study** **R. Longuinhos**, A. Vymazalová, A. R. Cabral, S. S. Alexandre, R. W. Nunes, **J. Ribeiro-Soares** ***Journal of Raman Spectroscopy 51, 357 (2020)*** https://onlinelibrary.wiley.com/doi/10.1002/jrs.5764	**2,000**	**A4**