

**PUBLICAÇÕES DO PROGRAMA DE PÓS-GRADUAÇÃO EM FÍSICA**  
**2018**

ID	Artigo	JCR 2018	Qualis (2013-16)
1.	<p style="text-align: center;"><b>Complex network analysis of the Brazilian power grid</b> G. C. Martins, L. S. Oliveira, <a href="#">F. L. Ribeiro</a>, F. L. Forgerini. <b><i>Scientia Plena</i> 14, 10 (2018).</b> <a href="https://www.scienciaplena.org.br/sp/article/view/4265/2071">https://www.scienciaplena.org.br/sp/article/view/4265/2071</a></p>	–	–
2.	<p style="text-align: center;"><b>Cities, from information to interaction</b> Vinicius. M. Netto, Eduardo Brigatti, João Meirelles, <a href="#">Fabiano L. Ribeiro</a>, Bruno Pace, Caio Cacholas, Patricia Sanches. <b><i>Entropy</i> 20(11), 834 (2018).</b> <a href="https://www.mdpi.com/1099-4300/20/11/834">https://www.mdpi.com/1099-4300/20/11/834</a></p>	2,419	B2
3.	<p style="text-align: center;"><b>Carbon stability of engineered biochar-based phosphate fertilizers</b> J. Carneiro, J. Lustosa Filho, B. Nardis, <a href="#">J. Ribeiro-Soares</a>, Y. Zinn, L. C. Melo. <b><i>ACS Sustainable Chemistry &amp; Engineering</i> 6, 14203 (2018).</b> <a href="https://pubs.acs.org/doi/10.1021/acssuschemeng.8b02841">https://pubs.acs.org/doi/10.1021/acssuschemeng.8b02841</a></p>	6,970	A1

4.	<p style="text-align: center;"><b>Evolution of urban scaling: Evidence from Brazilian</b></p> <p>João Meirelles, Camilo Rodrigues Neto, Fernando Fagundes Ferreira, <a href="#">Fabiano Lemes Ribeiro</a>, Claudia Rebeca Binder.</p> <p style="text-align: center;"><b><i>Plos One 13(10), e0204574 (2018).</i></b></p> <p style="text-align: center;"><a href="https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0204574">https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0204574</a></p>	2,776	A2
5.	<p style="text-align: center;"><b>Thermal conductivity determination of erbium-doped crystals measured by spatially resolved confocal luminescence</b></p> <p>A. F. G. Monte, G. A. Alves, <a href="#">F. A. M. Marques</a>.</p> <p style="text-align: center;"><b><i>Applied Optics 57, 7910 (2018).</i></b></p> <p style="text-align: center;"><a href="https://www.osapublishing.org/ao/abstract.cfm?uri=ao-57-27-7910">https://www.osapublishing.org/ao/abstract.cfm?uri=ao-57-27-7910</a></p>	1,973	B2
6.	<p style="text-align: center;"><b>Anomalies in finite amplitudes: Two-dimensional single and triple axial-vector triangles</b></p> <p>O. A. Battistel, <a href="#">F. Traboussy</a>, <a href="#">G. Dallabona</a>.</p> <p style="text-align: center;"><b><i>International Journal of Modern Physics A 33, 1850136 (2018).</i></b></p> <p style="text-align: center;"><a href="https://www.worldscientific.com/doi/10.1142/S0217751X18501361">https://www.worldscientific.com/doi/10.1142/S0217751X18501361</a></p>	1,153	B2
7.	<p style="text-align: center;"><b>Cidade e interação: o papel do espaço urbano na organização social</b></p> <p>Vinicius M. Netto, João Meirelles, <a href="#">Fabiano L. Ribeiro</a>.</p> <p style="text-align: center;"><b><i>Revista Brasileira de Gestão Urbana 10, 249 (2018).</i></b></p> <p style="text-align: center;"><a href="http://dx.doi.org/10.1590/2175-3369.010.002.ao06">http://dx.doi.org/10.1590/2175-3369.010.002.ao06</a></p>	-	-

8.	<p style="text-align: center;"><b>Higher-order one-loop contributions in Lorentz-breaking QED</b></p> <p>A. P. Baeta Scarpelli, <a href="#">L. C. T. Brito</a>, J. C. C. Felipe, J. R. Nascimento, A. Yu Petrov.</p> <p style="text-align: center;"><b><i>Europhysics Letters</i> 123, 21001 (2018).</b></p> <p style="text-align: center;"><a href="https://iopscience.iop.org/article/10.1209/0295-5075/123/21001/meta">https://iopscience.iop.org/article/10.1209/0295-5075/123/21001/meta</a></p>	2,229	B1
9.	<p style="text-align: center;"><b>On the singular effects in the relativistic Landau levels in graphene with a disclination</b></p> <p>Rosinildo Fidelis, Diego Cogollo, Edilberto O. Silva, <a href="#">Moises Rojas</a>, <a href="#">Cleverson Filgueiras</a></p> <p style="text-align: center;"><b><i>Communications in Theoretical Physics</i> 70, 817 (2018).</b></p> <p style="text-align: center;"><a href="https://iopscience.iop.org/article/10.1088/0253-6102/70/6/817">https://iopscience.iop.org/article/10.1088/0253-6102/70/6/817</a></p>	1,416	B4
10.	<p style="text-align: center;"><b>Synthesis and characterization of nanocomposites consisting of polyaniline, chitosan and tin dioxide</b></p> <p><a href="#">A. L. C. Silva</a>, J. C. Ugucioni, S. Correa, J. D. Ardisson, W. A. A. Macedo, <a href="#">J. P. Silva</a>, A. A. C. Cotta, A. D. B. Brito.</p> <p style="text-align: center;"><b><i>Materials Chemistry and Physics</i> 216, 402 (2018).</b></p> <p style="text-align: center;"><a href="https://www.sciencedirect.com/science/article/abs/pii/S0254058418305248">https://www.sciencedirect.com/science/article/abs/pii/S0254058418305248</a></p>	2,781	B1
11.	<p style="text-align: center;"><b>Noncommutative Jackiw-Pi model: One-loop renormalization</b></p> <p><a href="#">R. Bufalo</a>, M. Ghasemkhani, M. Alipour.</p> <p style="text-align: center;"><b><i>Physical Review D</i> 97, 125007 (2018).</b></p> <p style="text-align: center;"><a href="https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.125007">https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.125007</a></p>	4,368	A2

12.	<p><b>Quantum entanglement in the neighborhood of pseudo-transition for a spin-1/2 Ising-XYZ diamond chain</b></p> <p>I. M. Carvalho, J. Torrico, <a href="#">S. M. de Souza</a>, <a href="#">M. Rojas</a>, <a href="#">O. Rojas</a>.  <i>Journal of Magnetism and Magnetic Materials</i> 465, 323 (2018).  <a href="https://www.sciencedirect.com/science/article/abs/pii/S0304885317335114">https://www.sciencedirect.com/science/article/abs/pii/S0304885317335114</a></p>	1,672	B1
13.	<p><b>Renormalization of Generalized Scalar Duffin-Petiau Electrodynamics</b></p> <p><a href="#">R. Bufalo</a>, <a href="#">T. R. Cardoso</a>, A. A. Nogueira, B. M. Pimentel  <i>Physical Review D</i> 97, 105029 (2018).  <a href="https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.105029">https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.105029</a></p>	4,368	A2
14.	<p><b>Curved non-interacting two-dimensional electron gas with anisotropic mass</b></p> <p><a href="#">Pedro H. Souza</a>, Edilberto O. Silva, <a href="#">Moises Rojas</a>, <a href="#">Cleverson Filgueiras</a>  <i>Annalen der Physik</i> 530, 1800112 (2018).  <a href="https://onlinelibrary.wiley.com/doi/full/10.1002/andp.201800112">https://onlinelibrary.wiley.com/doi/full/10.1002/andp.201800112</a></p>	3,276	A2
15.	<p><b>Can really regularized amplitudes be obtained as consistent with their expected symmetry properties</b></p> <p>Orimar Antonio Battistel, <a href="#">Gilson Dallabona</a>, Marcus Vinicios Fonseca, <a href="#">Luciana Ebani</a>.  <i>Journal of Modern Physics</i> 9, 1153 (2018)  <a href="https://www.scirp.org/Journal/PaperInformation.aspx?PaperID=84481">https://www.scirp.org/Journal/PaperInformation.aspx?PaperID=84481</a></p>	–	C

16.	<p><b>Stable holey two-dimensional C<sub>2</sub>N structures with tunable electronic structure</b>  <u>R. Longinhos, J. Ribeiro-Soares</u>  <i>Physical Review B</i> 97, 195119 (2018).  <a href="https://journals.aps.org/prb/abstract/10.1103/PhysRevB.97.195119">https://journals.aps.org/prb/abstract/10.1103/PhysRevB.97.195119</a></p>	3,736	A2
17.	<p><b>Heterobimetallic Dy-Cu coordination compound as a classical-quantum ferrimagnetic chain of regularly alternating Ising and Heisenberg spins</b>  J. M. Torrico, J. Strecka, M. Hagiwara, <u>O. Rojas, S. M. de Souza</u>, Y. Han, Z. Honda, M. L. Lyra  <i>Journal of Magnetism and Magnetic Materials</i> 460, 368 (2018).  <a href="https://www.sciencedirect.com/science/article/pii/S0304885318301872">https://www.sciencedirect.com/science/article/pii/S0304885318301872</a></p>	1,672	B1
18.	<p><b>Perturbative effective action for the photon in noncommutative QED and exactness of Schwinger mass</b>  M. Gasemkhani, A. A. Varshovi, <u>R. Bufalo</u>  <i>Physical Review D</i> 97, 065005 (2018).  <a href="https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.044014">https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.044014</a></p>	4,368	A2
19.	<p><b>Canonical structure and extra mode of generalized unimodular gravity</b>  <u>R. Bufalo</u>, Markku Oksanen  <i>Physical Review D</i> 97, 044014 (2018).  <a href="https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.044014">https://journals.aps.org/prd/abstract/10.1103/PhysRevD.97.044014</a></p>	4,368	A2

20.	<p style="text-align: center;"><b>Different Plant Biomasses Characterization for Biochar Production</b></p> <p>Tais Regina Lima Abreu Veiga, José Tarcísio Lima, Anelise Lima de Abreu Dessimoni, Matheus Felipe Freire Pego, <a href="#">Jenaina Ribeiro Soares</a>, Paulo Fernando Trugilho</p> <p style="text-align: center;"><i>Cerne</i> 23, 4 (2017).</p> <p style="text-align: center;"><a href="http://www.cerne.ufla.br/site/index.php/CERNE/article/view/1585">http://www.cerne.ufla.br/site/index.php/CERNE/article/view/1585</a></p>	0,795	–
21.	<p style="text-align: center;"><b>Non-conserved magnetization operator and “fire-and-ice“ ground states in the Ising-Heisenberg diamond chain</b></p> <p>Jordana Torrico, Vadim Ohanyan, <a href="#">Onofre Rojas</a></p> <p style="text-align: center;"><i>Journal of Magnetism and Magnetic Material</i> 454, 85 (2018).</p> <p style="text-align: center;"><a href="https://www.sciencedirect.com/science/article/pii/S0304885317335400">https://www.sciencedirect.com/science/article/pii/S0304885317335400</a></p>	1,672	B1
22.	<p style="text-align: center;"><b>Tunable magnetism and spin-polarized electronic transport in graphene mediated by molecular functionalization of extended defects</b></p> <p>J. B. de Oliveira, <a href="#">I. S. S. de Oliveira</a>, J. E. Padilha, R. H. Miwa</p> <p style="text-align: center;"><i>Physical Review B</i> 97, 045107 (2018).</p> <p style="text-align: center;"><a href="https://journals.aps.org/prb/abstract/10.1103/PhysRevB.97.045107">https://journals.aps.org/prb/abstract/10.1103/PhysRevB.97.045107</a></p>	3,736	A2
23.	<p style="text-align: center;"><b>Topological and non inertial effects on the interband light absorption</b></p> <p><a href="#">Moises Rojas</a>, <a href="#">Cleverson Filgueiras</a>, Julio Brandão, Fernando Moraes</p> <p style="text-align: center;"><i>Physics Letters A</i> 382, 432 (2018).</p> <p style="text-align: center;"><a href="https://www.sciencedirect.com/science/article/pii/S037596011731201X">https://www.sciencedirect.com/science/article/pii/S037596011731201X</a></p>	2,087	B3

24.	<p><b>Quasi-phases and pseudo-transitions in one-dimensional models with nearest neighbour interactions</b></p> <p><b><a href="#">S. M. de Souza, Onofre Rojas.</a></b></p> <p><b><i>Solid State Communications</i> 269, 131 (2018)</b></p> <p><a href="https://www.sciencedirect.com/science/article/pii/S0038109817303319">https://www.sciencedirect.com/science/article/pii/S0038109817303319</a></p>	1,433	B2
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