Odilon LourenÃ§o

List of Publications by Year
in descending order

58 papers	1,615 citations	430874 18 h-index	289244 40 g-index
59 all docs	59 docs citations	59 times ranked	932 citing authors

#	Article	IF	Citations
1	Skyrme interaction and nuclear matter constraints. Physical Review C, 2012, 85, .	2.9	473
2	Relativistic mean-field hadronic models under nuclear matter constraints. Physical Review C, 2014, 90, .	2.9	331
3	Inverse magnetic catalysis in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo) Tj ET Q q 1 1 0 0 1 84.314 g Polyakovâ€“Nambuâ€“Jona-Lasinio models. Physical Review D, 2014, 89, .	4.7	78
4	Stellar properties and nuclear matter constraints. Physical Review C, 2016, 93, .	2.9	61
5	Consistent relativistic mean-field models constrained by GW170817. Physical Review C, 2019, 99, .	2.9	58
6	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>violation and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:math>invariance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>B</mml:mi><mml:mo>Â±</mml:mo></mml:msup></mml:math>decays	4.7	41
7	Neutron stars in f(â„›,T) gravity using realistic equations of state in the light of massive pulsars and GW170817. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 039-039.	5.4	33
8	Vector interaction strength in Polyakovâ€“Nambuâ€“Jona-Lasinio models from hadron-quark phase diagrams. Physical Review D, 2012, 85, .	4.7	32
9	On the Influence of Topological Catenation and Bonding Constraints on Ring Polymers. Macromolecules, 2010, 43, 2564-2573.	4.8	30
10	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>violation: Dalitz interference,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:math>, and final state interactions. Physical Review D, 2015, 92, .	4.7	28
11	Hadron-quark phase transition in a hadronic and Polyakovâ€“Nambuâ€“Jona-Lasinio models perspective. Physical Review D, 2011, 84, .	4.7	26
12	Consistent Skyrme parametrizations constrained by GW170817. European Physical Journal A, 2020, 56, 1.	2.5	24
13	Effects of short-range nuclear correlations on the deformability of neutron stars. Physical Review C, 2020, 101, .	2.9	23
14	Critical parameters of consistent relativistic mean-field models. Physical Review C, 2017, 95, .	2.9	22
15	Polyakovâ€“Nambuâ€“Jona-Lasinio phase diagrams and quarkyonic phase from order parameters. Physical Review D, 2013, 88, .	4.7	21
16	Critical behavior of mean-field hadronic models for warm nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 664, 246-252.	4.1	19
17	Correlations between critical parameters and bulk properties of nuclear matter. Physical Review C, 2016, 94, .	2.9	19
18	Skyrme forces versus relativistic models: Reexamining instabilities. Physical Review C, 2008, 77, .	2.9	18

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19	Correlations between the nuclear matter symmetry energy, its slope, and curvature from a nonrelativistic solvable approach and beyond. Physical Review C, 2014, 90, .	2.9	18
20	POINT-COUPLING AND NONLINEAR WALECKA MODELS CONNECTION. International Journal of Modern Physics E, 2007, 16, 3037-3040.	1.0	17
21	Tidal deformability of strange stars and the GW170817 event. Physical Review D, 2021, 103, .	4.7	17
22	Dark matter component in hadronic models with short-range correlations. Physical Review D, 2022, 105, .	4.7	16
23	Final state interaction in D + â†' K â^' Ï€ + Ï€ + with KÏ€ I = 1/2 and 3/2 channels. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
24	Correlations between bulk parameters in relativistic and nonrelativistic hadronic mean-field models. Physical Review C, 2015, 92, .	2.9	15
25	A Density-dependent van der Waals Model under the GW170817 Constraint. Astrophysical Journal, 2019, 882, 67.	4.5	15
26	GW170817 constraints analyzed with Gogny forces and momentum-dependent interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135306.	4.1	14
27	Constraints and correlations of nuclear matter parameters from a density-dependent van der Waals model. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 035101.	3.6	8
28	Thermodynamical phases in a PNJL model at zero temperature. European Physical Journal C, 2021, 81, 1.	3.9	8
29	Revisiting the thermal relaxation of neutron stars. Astronomy and Astrophysics, 2020, 642, A42.	5.1	8
30	The symmetry energy ${oldsymbol{gamma }}$ parameter of relativistic mean-field models. Chinese Physics C, 2018, 42, 064105.	3.7	6
31	PNJL model at zero temperature: The three-flavor case. Physical Review D, 2021, 104, .	4.7	5
32	Nonlinear Walecka models and point-coupling relativistic models. Physical Review C, 2009, 80, .	2.9	4
33	Nonrelativistic approaches derived from point-coupling relativistic models. Physical Review C, 2010, 81, .	2.9	4
34	$$B^+ightarrow K^-pi ^+pi ^+$$ B + â†' K - Ï€ + Ï€ + : Three-Body Final State Interactions and $$Kpi $$ K Ï€ Isospin States. Few-Body Systems, 2017, 58, 1.	1.5	4
35	Confinement effects from a PNJL model at zero temperature regime. Journal of Physics: Conference Series, 2019, 1291, 012031.	0.4	4
36	Neutron star cooling and GW170817 constraint within quark-meson coupling models *. Chinese Physics C, 2021, 45, 025101.	3.7	4

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37	Correlations between the nuclear matter symmetry energy, its slope, and curvature. Journal of Physics: Conference Series, 2015, 630, 012033.	0.4	3
38	Quark Condensate and Nucleon-Antinucleon Phase Transition from Hadronic Models at Finite Temperature. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 349-352.	0.4	2
39	SKYRME MODELS AND NUCLEAR MATTER PROPERTIES. International Journal of Modern Physics D, 2010, 19, 1583-1586.	2.1	2
40	Relativistic mean-field models and nuclear matter constraints. , 2013, , .		2
41	Heavy Meson Decay in Three-Mesons and FSI. Few-Body Systems, 2014, 55, 441.	1.5	2
42	The holographic paradigm of hadron dynamics for medium modified nuclear matters. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135339.	4.1	2
43	Neutron star crustal properties from relativistic mean-field models and bulk parameters effects. European Physical Journal A, 2021, 57, 1.	2.5	2
44	PHASE TRANSITIONS IN ASYMMETRIC NUCLEAR MATTER. International Journal of Modern Physics D, 2007, 16, 277-283.	2.1	1
45	RELATIVISTIC SOMMERFELD LOW TEMPERATURE EXPANSION. International Journal of Modern Physics D, 2007, 16, 285-289.	2.1	1
46	PHASE COEXISTENCE AND SPINODALS IN ASYMMETRIC NUCLEAR MATTER. International Journal of Modern Physics E, 2007, 16, 3006-3009.	1.0	1
47	NONRELATIVISTIC LIMITS OF THE NONLINEAR POINT-COUPLING MODELS AND THEIR NATURALNESS. International Journal of Modern Physics D, 2010, 19, 1469-1475.	2.1	1
48	Point-coupling Models from Mesonic Hypermassive Limit and Mean-field Approaches. Brazilian Journal of Physics, 2012, 42, 227-236.	1.4	1
49	CP violation and CPT invariance in charmless B decays. Nuclear and Particle Physics Proceedings, 2015, 258-259, 167-170.	0.5	1
50	Consistent Skyrme parametrization and its critical parameter values. Journal of Physics: Conference Series, 2019, 1291, 012040.	0.4	1
51	Consistent relativistic mean-field models: symmetry energy parameter. Journal of Physics: Conference Series, 2019, 1291, 012043.	0.4	1
52	USING SKYRME MODELS TO DESCRIBE ASYMMETRIC NUCLEAR MATTER. , 2010, , .		0
53	Influence of pions on the hadron-quark phase transition. , 2013, , .		0
54	Nuclear Matter Bulk Parameter Scales and Correlations. Few-Body Systems, 2015, 56, 779-785.	1.5	0

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55	Charmless Three-Body B-decays: final state interaction and CP violation. Journal of Physics: Conference Series, 2016, 706, 042010.	0.4	0
56	Analysis of critical parameters for nonrelativistic models of symmetric nuclear matter. Physical Review C, 2021, 103, .	2.9	0
57	COLD NUCLEAR MATTER DESCRIBED BY NONLINEAR RELATIVISTIC POINT-COUPLING MODELS IN Ïs = Ï• APPROACH. , 2010, , .		0
58	Skyrme and Relativistic Mean-Field Models in the Description of Symmetric, Asymmetric, and Stellar Nuclear Matter. , 2020, , 27-65.		0