

Jorge David Castaño-Yepes

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

207
citations

1040018

9
h-index

1058452

14
g-index

24
all docs

24
docs citations

24
times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy exchange and thermal fluctuations in the Jaynes-Cummings model. European Physical Journal Plus, 2022, 137, 1.	2.6	2
2	The role of morphology on the emergence of topologically trivial surface states and selection rules in topological-insulator nano-particles. Results in Physics, 2022, 39, 105712.	4.1	1
3	Comments on Superstatistical properties of the one-dimensional Dirac oscillator by Abdelmalek Boumali et Al.. Physica A: Statistical Mechanics and Its Applications, 2021, 580, 125206.	2.6	7
4	Gluon polarization tensor and dispersion relation in a weakly magnetized medium. European Physical Journal A, 2021, 57, 1.	2.5	14
5	Fermion mass and width in QED in a magnetic field. Physical Review D, 2021, 104, .	4.7	6
6	Superstatistics and quantum entanglement in the isotropic spin-1/2 X dimer from a nonadditive thermodynamics perspective. Physical Review E, 2021, 104, 024139.	2.6	7
7	Super-statistical description of thermo-magnetic properties of a system of 2D GaAs quantum dots with gaussian confinement and Rashba spin-orbit interaction. Physica A: Statistical Mechanics and Its Applications, 2020, 548, 123871.	2.6	13
8	Centrality dependence of photon yield and elliptic flow from gluon fusion and splitting induced by magnetic fields in relativistic heavy-ion collisions. European Physical Journal A, 2020, 56, 1.	2.5	13
9	New channels of prompt-photon production by magnetic fields in heavy-ion collisions. Journal of Physics: Conference Series, 2020, 1602, 012014.	0.4	0
10	Gluon polarization tensor in a magnetized medium: Analytic approach starting from the sum over Landau levels. Physical Review D, 2020, 101, .	4.7	7
11	Optical intersubband properties of a core-shell semiconductor topological insulator quantum dot described by \hat{I} -electrodynamics. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 123, 114202.	2.7	6
12	Thermal corrections to the gluon magnetic Debye mass. Revista Mexicana De Física, 2020, 66, 446-461.	0.4	6
13	Impact of a topological defect and Rashba spin-orbit interaction on the thermo-magnetic and optical properties of a 2D semiconductor quantum dot with Gaussian confinement. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 109, 59-66.	2.7	28
14	Using the Linear Sigma Model with quarks to describe the QCD phase diagram and to locate the critical end point. EPJ Web of Conferences, 2018, 172, 08002.	0.3	0
15	Prompt photon yield and v_2 coefficient from gluon fusion induced by magnetic field in heavy-ion collisions. EPJ Web of Conferences, 2018, 172, 08004.	0.3	0
16	Perturbation theory for open quantum systems at the steady state. Results in Physics, 2018, 10, 353-355.	4.1	5
17	Modeling the photoacoustic signal during the porous silicon formation. Journal of Applied Physics, 2017, 121, 025103.	2.5	17
18	Prompt photon yield and elliptic flow from gluon fusion induced by magnetic fields in relativistic heavy-ion collisions. Physical Review D, 2017, 96, .	4.7	25

#	ARTICLE	IF	CITATIONS
19	Thermal photons from gluon fusion with magnetic fields. EPJ Web of Conferences, 2017, 141, 02007.	0.3	13
20	<i>In situ</i> photoacoustic characterization for porous silicon growing: Detection principles. Journal of Applied Physics, 2016, 119, .	2.5	18
21	Chiral symmetry transition in the linear sigma model with quarks: Counting effective QCD degrees of freedom from low to high temperature. International Journal of Modern Physics A, 2016, 31, 1650199.	1.5	5
22	Impact of the energy-loss spatial profile and shear-viscosity to entropy-density ratio for the Mach cone versus head-shock signals produced by a fast-moving parton in a quark-gluon plasma. Physical Review C, 2015, 92, .	2.9	4