Aurora Perez Martinez

List of Publications by Year
in descending order

34 papers	448 citations	1040056 9 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	191 citing authors

#	Article	IF	Citations
1	Non-linear interaction of laser light with vacuum: contributions to the energy density and pressure in the presence of an intense magnetic field. Plasma Physics and Controlled Fusion, 2022, 64, 044011.	2.1	1
2	The photon time delay in magnetized medium magnetosphere. Astronomische Nachrichten, 2021, 342, 382-387.	1.2	0
3	Observables of spheroidal magnetized strange stars. Physical Review C, 2021, 103, .	2.9	7
4	Magnetized vector boson gas at any temperature. Physical Review C, 2021, 104, .	2.9	3
5	Moment of inertia of magnetized strange stars. Astronomische Nachrichten, 2021, 342, 326-331.	1.2	1
6	Quantum magnetic collapse of a partially bosonized npe-gas: Implications for astrophysical jets. International Journal of Modern Physics D, 2021, 30, 2150007.	2.1	2
7	Magnetic fields in compact stars and related phenomena. Revista Mexicana De Física, 2020, 66, 538-558.	0.4	2
8	A non-relativistic magnetized vector boson gas at any temperature. Journal of Physics: Conference Series, 2019, 1239, 012004.	0.4	4
9	(Self-)Magnetized Bose–Einstein condensate stars. International Journal of Modern Physics D, 2019, 28, 1950135.	2.1	11
10	Modeling anisotropic magnetized strange quark stars. Astronomische Nachrichten, 2019, 340, 1013-1017.	1.2	3
11	Modeling anisotropic magnetized white dwarfs with γ metric. Physical Review D, 2019, 99, .	4.7	9
12	Bose–Einstein condensation and antiparticles in a magnetized neutral vector boson gas at any temperature. Astronomische Nachrichten, 2019, 340, 952-956.	1.2	3
13	Magnetized Bose–Einstein condensate stars with boundary conditions depending on magnetic field. Astronomische Nachrichten, 2019, 340, 909-913.	1.2	3
14	Effects of magnetic fields and slow rotation in white dwarfs. International Journal of Modern Physics D, 2018, 27, 1850016.	2.1	5
15	Condensation of Neutral Vector Bosons with Magnetic Moment. International Journal of Modern Physics Conference Series, 2017, 45, 1760047.	0.7	4
16	Thermodynamic properties of a neutral vector boson gas in a constant magnetic field. Physical Review C, 2017, 96, .	2.9	11
17	Quantum Faraday Effect in the Universe. International Journal of Modern Physics Conference Series, 2017, 45, 1760046.	0.7	0
18	Anisotropic equation of state of charged and neutral vector boson gases in a constant magnetic field: Astrophysical implications. Astronomische Nachrichten, 2017, 338, 1127-1130.	1.2	4

#	Article	IF	Citations
19	Charged fermion gas polarization in strong magnetic fields. Astronomische Nachrichten, 2017, 338, 1131-1135.	1.2	1
20	Constraints on the braneworld from compact stars. European Physical Journal C, 2016, 76, 1.	3.9	2
21	A non-perturbative study of the evolution of cosmic magnetised sources. General Relativity and Gravitation, 2016, 48, 1.	2.0	2
22	Insignificance of the anomalous magnetic moment of charged fermions for the equation of state of a magnetized and dense medium. Physical Review D, 2015, 91, .	4.7	60
23	Maximum mass of magnetic white dwarfs. Research in Astronomy and Astrophysics, 2015, 15, 1735-1741.	1.7	17
24	Anisotropic structure equations in magnetized quark stars. Astronomische Nachrichten, 2015, 336, 856-860.	1.2	1
25	Magnetic field effects on the mass–radius relation of white dwarfs. Astronomische Nachrichten, 2015, 336, 851-855.	1.2	6
26	On propagation of photons in a magnetized medium. Astronomische Nachrichten, 2015, 336, 895-899.	1.2	1
27	Anisotropic stellar structure equations for magnetized strange stars. Research in Astronomy and Astrophysics, 2015, 15, 975-985.	1.7	21
28	Astrophysical implications on the quantized Faraday effect. Astronomische Nachrichten, 2014, 335, 635-640.	1.2	1
29	Quantized Faraday effect in (3+1)-dimensional and (2+1)-dimensional systems. Physical Review A, 2013, 88, .	2.5	7
30	2D massless QED Hall half-integer conductivity and graphene. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 445002.	2.1	4
31	Stability window and mass–radius relation for magnetized strange quark stars. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 075202.	3.6	38
32	Magnetized strange quark matter and magnetized strange quark stars. Physical Review C, 2008, 77, .	2.9	79
33	Quantum Magnetic Collapse. Physical Review Letters, 2000, 84, 5261-5264.	7.8	126
34	RELATIVISTIC QUANTUM HALL CONDUCTIVITY FOR 3D AND 2D ELECTRON PLASMA IN AN EXTERNAL MAGNETIC FIELD. Modern Physics Letters B, 1990, 04, 1103-1109.	1.9	9