

# Aurora Perez Martinez

## List of Publications by Year in descending order

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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	Quantum Magnetic Collapse. Physical Review Letters, 2000, 84, 5261-5264.	7.8	126
2	Magnetized strange quark matter and magnetized strange quark stars. Physical Review C, 2008, 77, .	2.9	79
3	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
4	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
5	Anisotropic stellar structure equations for magnetized strange stars. Research in Astronomy and Astrophysics, 2015, 15, 975-985.	1.7	21
6	Maximum mass of magnetic white dwarfs. Research in Astronomy and Astrophysics, 2015, 15, 1735-1741.	1.7	17
7	Thermodynamic properties of a neutral vector boson gas in a constant magnetic field. Physical Review C, 2017, 96, .	2.9	11
8	(Self-)Magnetized Bose-Einstein condensate stars. International Journal of Modern Physics D, 2019, 28, 1950135.	2.1	11
9	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
10	Modeling anisotropic magnetized white dwarfs with $\langle \hat{\rho}^3 \rangle$ metric. Physical Review D, 2019, 99, .	4.7	9
11	Quantized Faraday effect in (3+1)-dimensional and (2+1)-dimensional systems. Physical Review A, 2013, 88, .	2.5	7
12	Observables of spheroidal magnetized strange stars. Physical Review C, 2021, 103, .	2.9	7
13	Magnetic field effects on the mass-radius relation of white dwarfs. Astronomische Nachrichten, 2015, 336, 851-855.	1.2	6
14	Effects of magnetic fields and slow rotation in white dwarfs. International Journal of Modern Physics D, 2018, 27, 1850016.	2.1	5
15	2D massless QED Hall half-integer conductivity and graphene. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 445002.	2.1	4
16	Condensation of Neutral Vector Bosons with Magnetic Moment. International Journal of Modern Physics Conference Series, 2017, 45, 1760047.	0.7	4
17	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
18	A non-relativistic magnetized vector boson gas at any temperature. Journal of Physics: Conference Series, 2019, 1239, 012004.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Modeling anisotropic magnetized strange quark stars. <i>Astronomische Nachrichten</i> , 2019, 340, 1013-1017.	1.2	3
20	Magnetized vector boson gas at any temperature. <i>Physical Review C</i> , 2021, 104, .	2.9	3
21	Bose-Einstein condensation and antiparticles in a magnetized neutral vector boson gas at any temperature. <i>Astronomische Nachrichten</i> , 2019, 340, 952-956.	1.2	3
22	Magnetized Bose-Einstein condensate stars with boundary conditions depending on magnetic field. <i>Astronomische Nachrichten</i> , 2019, 340, 909-913.	1.2	3
23	Constraints on the braneworld from compact stars. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	2
24	A non-perturbative study of the evolution of cosmic magnetised sources. <i>General Relativity and Gravitation</i> , 2016, 48, 1.	2.0	2
25	Quantum magnetic collapse of a partially bosonized npe-gas: Implications for astrophysical jets. <i>International Journal of Modern Physics D</i> , 2021, 30, 2150007.	2.1	2
26	Magnetic fields in compact stars and related phenomena. <i>Revista Mexicana De Física</i> , 2020, 66, 538-558.	0.4	2
27	Astrophysical implications on the quantized Faraday effect. <i>Astronomische Nachrichten</i> , 2014, 335, 635-640.	1.2	1
28	Anisotropic structure equations in magnetized quark stars. <i>Astronomische Nachrichten</i> , 2015, 336, 856-860.	1.2	1
29	On propagation of photons in a magnetized medium. <i>Astronomische Nachrichten</i> , 2015, 336, 895-899.	1.2	1
30	Charged fermion gas polarization in strong magnetic fields. <i>Astronomische Nachrichten</i> , 2017, 338, 1131-1135.	1.2	1
31	Moment of inertia of magnetized strange stars. <i>Astronomische Nachrichten</i> , 2021, 342, 326-331.	1.2	1
32	Non-linear interaction of laser light with vacuum: contributions to the energy density and pressure in the presence of an intense magnetic field. <i>Plasma Physics and Controlled Fusion</i> , 2022, 64, 044011.	2.1	1
33	Quantum Faraday Effect in the Universe. <i>International Journal of Modern Physics Conference Series</i> , 2017, 45, 1760046.	0.7	0
34	The photon time delay in magnetized medium magnetosphere. <i>Astronomische Nachrichten</i> , 2021, 342, 382-387.	1.2	0