

Antonio Garc a Mu oz

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,210
citations

257450

24
h-index

233421

45
g-index

47
all docs

47
docs citations

47
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	H α and He I absorption in HAT-P-32 b observed with CARMENES. <i>Astronomy and Astrophysics</i> , 2022, 657, A6.	5.1	29
2	A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of ϵ Men c. <i>Astronomical Journal</i> , 2022, 163, 79.	4.7	22
3	Signatures of strong magnetization and a metal-poor atmosphere for a Neptune-sized exoplanet. <i>Nature Astronomy</i> , 2022, 6, 141-153.	10.1	26
4	Spectropolarimetry as a tool for understanding the diversity of planetary atmospheres. <i>Experimental Astronomy</i> , 2022, 54, 1187-1196.	3.7	2
5	The Hubble PanCET Program: A Featureless Transmission Spectrum for WASP-29b and Evidence of Enhanced Atmospheric Metallicity on WASP-80b. <i>Astronomical Journal</i> , 2022, 164, 30.	4.7	4
6	A Heavy Molecular Weight Atmosphere for the Super-Earth ϵ Men c. <i>Astrophysical Journal Letters</i> , 2021, 907, L36.	8.3	35
7	Investigation of UV Absorbers on Venus Using the 283 and 365 nm Phase Curves Obtained From Akatsuki. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090577.	4.0	5
8	HST PanCET program: non-detection of atmospheric escape in the warm Saturn-sized planet WASP-29 b. <i>Astronomy and Astrophysics</i> , 2021, 649, A40.	5.1	7
9	The Hubble PanCET program: long-term chromospheric evolution and flaring activity of the M dwarf host GJ 3470. <i>Astronomy and Astrophysics</i> , 2021, 650, A73.	5.1	8
10	Catalogue of exoplanets accessible in reflected starlight to the Nancy Grace Roman Space Telescope. <i>Astronomy and Astrophysics</i> , 2021, 651, A7.	5.1	11
11	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. <i>Astronomical Journal</i> , 2021, 162, 87.	4.7	13
12	The Hubble PanCET Program: A Metal-rich Atmosphere for the Inflated Hot Jupiter HAT-P-41b. <i>Astronomical Journal</i> , 2021, 161, 51.	4.7	16
13	The Hubble PanCET program: Transit and Eclipse Spectroscopy of the Hot-Jupiter WASP-74b. <i>Astronomical Journal</i> , 2021, 162, 271.	4.7	3
14	Brightness modulations of our nearest terrestrial planet Venus reveal atmospheric super-rotation rather than surface features. <i>Nature Communications</i> , 2020, 11, 5720.	12.8	10
15	Transmission Spectroscopy of WASP-79b from 0.6 to 5.0 μ m. <i>Astronomical Journal</i> , 2020, 159, 5.	4.7	22
16	Detection of Na, K, and H ₂ O in the hazy atmosphere of WASP-6b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5449-5472.	4.4	30
17	Is ϵ Men c's Atmosphere Hydrogen-dominated? Insights from a Non-detection of H I Ly α Absorption. <i>Astrophysical Journal Letters</i> , 2020, 888, L21.	8.3	37
18	Three-dimensional hydrodynamic simulations of the upper atmosphere of ϵ Men c: Comparison with Ly α transit observations. <i>Astronomy and Astrophysics</i> , 2020, 639, A109.	5.1	17

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19	Effect of mantle oxidation state and escape upon the evolution of Earth's magma ocean atmosphere. <i>Astronomy and Astrophysics</i> , 2020, 643, A81.	5.1	19
20	The Hubble Space Telescope PanCET Program: An Optical to Infrared Transmission Spectrum of HAT-P-32Ab. <i>Astronomical Journal</i> , 2020, 160, 51.	4.7	26
21	The Hubble Space Telescope's Near-UV and Optical Transmission Spectrum of Earth as an Exoplanet. <i>Astronomical Journal</i> , 2020, 160, 100.	4.7	3
22	The Hubble Space Telescope PanCET Program: Exospheric Mg ii and Fe ii in the Near-ultraviolet Transmission Spectrum of WASP-121b Using Jitter Decorrelation. <i>Astronomical Journal</i> , 2019, 158, 91.	4.7	112
23	Photochemical Hazes in Sub-Neptunian Atmospheres with a Focus on GJ 1214b. <i>Astrophysical Journal</i> , 2019, 878, 118.	4.5	34
24	The Hubble PanCET program: an extensive search for metallic ions in the exosphere of GJ 436 b. <i>Astronomy and Astrophysics</i> , 2019, 629, A47.	5.1	34
25	Rapid Escape of Ultra-hot Exoplanet Atmospheres Driven by Hydrogen Balmer Absorption. <i>Astrophysical Journal Letters</i> , 2019, 884, L43.	8.3	35
26	On Mapping Exoplanet Atmospheres with High-dispersion Spectro-polarimetry: Some Model Predictions. <i>Astrophysical Journal</i> , 2018, 854, 108.	4.5	8
27	An Optical Transmission Spectrum for the Ultra-hot Jupiter WASP-121b Measured with the Hubble Space Telescope. <i>Astronomical Journal</i> , 2018, 156, 283.	4.7	106
28	Hubble PanCET: an extended upper atmosphere of neutral hydrogen around the warm Neptune GJ 3470b. <i>Astronomy and Astrophysics</i> , 2018, 620, A147.	5.1	128
29	The HST PanCET Program: Hints of Na i and Evidence of a Cloudy Atmosphere for the Inflated Hot Jupiter WASP-52b. <i>Astronomical Journal</i> , 2018, 156, 298.	4.7	30
30	The Transiting Exoplanet Community Early Release Science Program for JWST. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114402.	3.1	100
31	A chemical survey of exoplanets with ARIEL. <i>Experimental Astronomy</i> , 2018, 46, 135-209.	3.7	249
32	Exoplanet phase curves at large phase angles. Diagnostics for extended hazy atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1801-1818.	4.4	31
33	Hubble PanCET: an isothermal day-side atmosphere for the bloated gas-giant HAT-P-32Ab. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1705-1717.	4.4	55
34	Recovering the colour-dependent albedo of exoplanets with high-resolution spectroscopy: from ESPRESSO to the ELT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 5240-5262.	4.4	7
35	Titan brighter at twilight than in daylight. <i>Nature Astronomy</i> , 2017, 1, .	10.1	17
36	An ultrahot gas-giant exoplanet with a stratosphere. <i>Nature</i> , 2017, 548, 58-61.	27.8	192

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37	HST PanCET Program: A Cloudy Atmosphere for the Promising JWST Target WASP-101b. <i>Astrophysical Journal Letters</i> , 2017, 835, L12.	8.3	56
38	Transiting Exoplanet Studies and Community Targets for JWST's Early Release Science Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 094401.	3.1	98
39	Towards a comprehensive model of Earth's disk-integrated Stokes vector. <i>International Journal of Astrobiology</i> , 2015, 14, 379-390.	1.6	36
40	Pre-conditioned backward Monte Carlo solutions to radiative transport in planetary atmospheres. <i>Astronomy and Astrophysics</i> , 2015, 573, A72.	5.1	19
41	Probing exoplanet clouds with optical phase curves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13461-13466.	7.1	42
42	Glory revealed in disk-integrated photometry of Venus. <i>Astronomy and Astrophysics</i> , 2014, 566, L1.	5.1	28
43	GLANCING VIEWS OF THE EARTH: FROM A LUNAR ECLIPSE TO AN EXOPLANETARY TRANSIT. <i>Astrophysical Journal</i> , 2012, 755, 103.	4.5	99
44	The impact of the Kasatochi eruption on the Moon's illumination during the August 2008 lunar eclipse. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	15
45	Lunar eclipse theory revisited: Scattered sunlight in both the quiescent and the volcanically perturbed atmosphere. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 1609-1621.	2.3	26
46	Physical and chemical aeronomy of HD 209458b. <i>Planetary and Space Science</i> , 2007, 55, 1426-1455.	1.7	294
47	Formulation of molecular diffusion in planetary atmospheres. <i>Planetary and Space Science</i> , 2007, 55, 1414-1425.	1.7	14