

# Mario Damasso

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

4,513  
citations

136950

32  
h-index

110387

64  
g-index

90  
all docs

90  
docs citations

90  
times ranked

3224  
citing authors

#	ARTICLE	IF	CITATIONS
1	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , 2014, 38, 249-330.	3.7	912
2	Growth model interpretation of planet size distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9723-9728.	7.1	311
3	A chemical survey of exoplanets with ARIEL. <i>Experimental Astronomy</i> , 2018, 46, 135-209.	3.7	249
4	ESPRESSO at VLT. <i>Astronomy and Astrophysics</i> , 2021, 645, A96.	5.1	221
5	The GAPS Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 602, A107.	5.1	185
6	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2013, 554, A28.	5.1	103
7	An Ultra-short Period Rocky Super-Earth with a Secondary Eclipse and a Neptune-like Companion around K2-141. <i>Astronomical Journal</i> , 2018, 155, 107.	4.7	103
8	Five carbon- and nitrogen-bearing species in a hot giant planet's atmosphere. <i>Nature</i> , 2021, 592, 205-208.	27.8	99
9	Six transiting planets and a chain of Laplace resonances in TOI-178. <i>Astronomy and Astrophysics</i> , 2021, 649, A26.	5.1	94
10	Radial-velocity fitting challenge. <i>Astronomy and Astrophysics</i> , 2017, 598, A133.	5.1	87
11	Neutral Iron Emission Lines from the Dayside of KELT-9b: The GAPS Program with HARPS-N at TNG XX. <i>Astrophysical Journal Letters</i> , 2020, 894, L27.	8.3	84
12	Revisiting Proxima with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 639, A77.	5.1	81
13	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2016, 588, A118.	5.1	76
14	A path towards understanding the rotation-activity relation of M dwarfs with K2 mission, X-ray and UV data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1844-1864.	4.4	65
15	A giant impact as the likely origin of different twins in the Kepler-107 exoplanet system. <i>Nature Astronomy</i> , 2019, 3, 416-423.	10.1	64
16	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , 2020, 160, 3.	4.7	62
17	Stellar parameters of early-M dwarfs from ratios of spectral features at optical wavelengths. <i>Astronomy and Astrophysics</i> , 2015, 577, A132.	5.1	60
18	A low-mass planet candidate orbiting Proxima Centauri at a distance of 1.5 AU. <i>Science Advances</i> , 2020, 6, eaax7467.	10.3	57

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19	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2015, 578, A64.	5.1	52
20	HADES RV program with HARPS-N at the TNG GJ 3998: An early M-dwarf hosting a system of super-Earths. <i>Astronomy and Astrophysics</i> , 2016, 593, A117.	5.1	51
21	HADES RV programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 612, A89.	5.1	51
22	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2015, 583, A135.	5.1	50
23	The GAPS programme at TNG. <i>Astronomy and Astrophysics</i> , 2020, 639, A49.	5.1	47
24	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2015, 575, A111.	5.1	46
25	Warm terrestrial planet with half the mass of Venus transiting a nearby star. <i>Astronomy and Astrophysics</i> , 2021, 653, A41.	5.1	46
26	A possibly inflated planet around the bright young star DS Tucanae A. <i>Astronomy and Astrophysics</i> , 2019, 630, A81.	5.1	45
27	The GAPS Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2019, 631, A34.	5.1	44
28	A precise architecture characterization of the <i>Kepler-90</i> Mensae planetary system. <i>Astronomy and Astrophysics</i> , 2020, 642, A31.	5.1	43
29	A candidate short-period sub-Earth orbiting Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2022, 658, A115.	5.1	43
30	Masses and compositions of three small planets orbiting the nearby M dwarf L231-32 (TOI-270) and the M dwarf radius valley. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	41
31	Rapid contraction of giant planets orbiting the 20-million-year-old star V1298 Tau. <i>Nature Astronomy</i> , 2022, 6, 232-240.	10.1	40
32	Masses and radii for the three super-Earths orbiting GJ 9827, and implications for the composition of small exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3731-3745.	4.4	38
33	The GAPS Programme at TNG. <i>Astronomy and Astrophysics</i> , 2020, 638, A5.	5.1	35
34	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 598, A26.	5.1	34
35	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , 2020, 160, 22.	4.7	33
36	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 598, A27.	5.1	32

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37	An unusually low density ultra-short period super-Earth and three mini-Neptunes around the old star TOI-561. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4148-4166.	4.4	32
38	Constraints on the mass and on the atmospheric composition and evolution of the low-density young planet DS Tucanae A b. <i>Astronomy and Astrophysics</i> , 2021, 650, A66.	5.1	30
39	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2013, 554, A29.	5.1	29
40	The APACHE Project. <i>EPJ Web of Conferences</i> , 2013, 47, 03006.	0.3	29
41	Exploring the realm of scaled solar system analogues with HARPS. <i>Astronomy and Astrophysics</i> , 2018, 615, A175.	5.1	29
42	Eyes on K2-3: A system of three likely sub-Neptunes characterized with HARPS-N and HARPS. <i>Astronomy and Astrophysics</i> , 2018, 615, A69.	5.1	29
43	Rotation-activity relations and flares of M dwarfs with K2 long- and short-cadence data. <i>Astronomy and Astrophysics</i> , 2020, 637, A22.	5.1	29
44	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 598, A28.	5.1	28
45	The HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 617, A104.	5.1	28
46	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 605, A92.	5.1	27
47	Searching for planetary signals in Doppler time series: a performance evaluation of tools for periodogram analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3775-3784.	4.4	27
48	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2014, 567, L6.	5.1	26
49	The GAPS Programme at TNG. <i>Astronomy and Astrophysics</i> , 2021, 645, A71.	5.1	25
50	The GAPS Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 616, A155.	5.1	24
51	An ultra-short period rocky super-Earth orbiting the G2-star HD 80653. <i>Astronomy and Astrophysics</i> , 2020, 633, A133.	5.1	24
52	The GAPS Programme at TNG. <i>Astronomy and Astrophysics</i> , 2020, 642, A133.	5.1	23
53	A sub-Neptune and a non-transiting Neptune-mass companion unveiled by ESPRESSO around the bright late-F dwarf HD 5278 (TOI-130). <i>Astronomy and Astrophysics</i> , 2021, 648, A75.	5.1	22
54	Photometric transit search for planets around cool stars from the western Italian Alps: a pilot study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 3101-3122.	4.4	21

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55	HADES RV program with HARPS-N at the TNG. <i>Astronomy and Astrophysics</i> , 2019, 622, A193.	5.1	21
56	Proxima Centauri reloaded: Unravelling the stellar noise in radial velocities. <i>Astronomy and Astrophysics</i> , 2017, 599, A126.	5.1	20
57	New Perspectives on the Exoplanet Radius Gap from a Mathematica Tool and Visualized Water Equation of State. <i>Astrophysical Journal</i> , 2021, 923, 247.	4.5	20
58	Gliese 49: activity evolution and detection of a super-Earth. <i>Astronomy and Astrophysics</i> , 2019, 624, A123.	5.1	18
59	Characterization of the K2-38 planetary system. <i>Astronomy and Astrophysics</i> , 2020, 641, A92.	5.1	17
60	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2015, 581, L6.	5.1	16
61	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 608, A63.	5.1	14
62	An 11 Earth-mass, Long-period Sub-Neptune Orbiting a Sun-like Star. <i>Astronomical Journal</i> , 2019, 158, 165.	4.7	14
63	K2-291b: A Rocky Super-Earth in a 2.2 day Orbit <sup>*</sup> â€. <i>Astronomical Journal</i> , 2019, 157, 116.	4.7	13
64	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2019, 624, A27.	5.1	13
65	So close, so different: characterization of the K2-36 planetary system with HARPS-N. <i>Astronomy and Astrophysics</i> , 2019, 624, A38.	5.1	13
66	New Constraints on the Future Evaporation of the Young Exoplanets in the V1298 Tau System. <i>Astrophysical Journal</i> , 2022, 925, 172.	4.5	13
67	The HADES RV programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2019, 625, A126.	5.1	12
68	Mapping of shadows cast on a protoplanetary disk by a close binary system. <i>Nature Astronomy</i> , 2019, 3, 167-172.	10.1	11
69	Searching for the near-infrared counterpart of Proxima c using multi-epoch high-contrast SPHERE data at VLT. <i>Astronomy and Astrophysics</i> , 2020, 638, A120.	5.1	11
70	A HARPS-N mass for the elusive Kepler-37d: a case study in disentangling stellar activity and planetary signals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1847-1868.	4.4	10
71	The GAPS Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 599, A90.	5.1	9
72	Biases in retrieving planetary signals in the presence of quasi-periodic stellar activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2555-2571.	4.4	9

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73	Photometric rotation periods for 107 Å dwarfs from the APACHE survey. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5216-5237.	4.4	9
74	The GAPS programme at TNG. Astronomy and Astrophysics, 2020, 639, A50.	5.1	9
75	The GAPS programme at TNG. Astronomy and Astrophysics, 2020, 641, A68.	5.1	9
76	Photometric Transit Search for Planets around Cool Stars from the Western Italian Alps: A Site Characterization Study1. Publications of the Astronomical Society of the Pacific, 2010, 122, 1077-1091.	3.1	8
77	The GAPS Programme with HARPS-N at TNG. Astronomy and Astrophysics, 2019, 621, A110.	5.1	8
78	The GAPS Programme at TNG. Astronomy and Astrophysics, 2021, 646, A159.	5.1	8
79	A super-Earth on a close-in orbit around the M1V star GJ 740. Astronomy and Astrophysics, 2021, 648, A20.	5.1	7
80	The ultra-hot-Jupiter KELT-16â€%b: dynamical evolution and atmospheric properties. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1447-1464.	4.4	7
81	HADES RV Programme with HARPS-N at TNG. Astronomy and Astrophysics, 2021, 649, A157.	5.1	6
82	HD 22496 b: The first ESPRESSO stand-alone planet discovery. Astronomy and Astrophysics, 2021, 654, A60.	5.1	6
83	HADES RV programme with HARPS-N at TNG. Astronomy and Astrophysics, 2021, 651, A93.	5.1	4
84	Two Transiting Hot Jupiters from the WASP Survey: WASP-150b and WASP-176b. Astronomical Journal, 2020, 159, 255.	4.7	4
85	K2-79b and K2-222b: Mass Measurements of Two Small Exoplanets with Periods beyond 10 days that Overlap with Periodic Magnetic Activity Signals. Astronomical Journal, 2022, 163, 41.	4.7	3
86	Expectations for the confirmation of Proxima c from a long-term radial velocity follow-up. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1387-1394.	4.4	2
87	The highly inflated giant planet WASP-174b. Astronomy and Astrophysics, 2020, 633, A30.	5.1	2
88	PyExoRaMa: An Interactive Tool in Python to Investigate the Radiusâ€“Mass Diagram for Exoplanets. Research Notes of the AAS, 2022, 6, 28.	0.7	1