

# Emilio Molinari

## List of Publications by Year in descending order

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84  
papers

2,873  
citations

236925

25  
h-index

276875

41  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3353  
citing authors

#	ARTICLE	IF	CITATIONS
1	K2-79b and K2-222b: Mass Measurements of Two Small Exoplanets with Periods beyond 10 days that Overlap with Periodic Magnetic Activity Signals. <i>Astronomical Journal</i> , 2022, 163, 41.	4.7	3
2	Identifying Exoplanets with Deep Learning. IV. Removing Stellar Activity Signals from Radial Velocity Measurements Using Neural Networks. <i>Astronomical Journal</i> , 2022, 164, 49.	4.7	20
3	Five carbon- and nitrogen-bearing species in a hot giant planet's atmosphere. <i>Nature</i> , 2021, 592, 205-208.	27.8	99
4	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. <i>Astronomical Journal</i> , 2021, 162, 79.	4.7	25
5	Wolf 503 b: Characterization of a Sub-Neptune Orbiting a Metal-poor K Dwarf. <i>Astronomical Journal</i> , 2021, 162, 238.	4.7	5
6	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
7	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
8	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
9	An 11 Earth-mass, Long-period Sub-Neptune Orbiting a Sun-like Star. <i>Astronomical Journal</i> , 2019, 158, 165.	4.7	14
10	Using HARPS-N to characterize the long-period planets in the PH-2 and Kepler-103 systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5103-5121.	4.4	10
11	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
12	A microphotonic astrocomb. <i>Nature Photonics</i> , 2019, 13, 31-35.	31.4	215
13	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
14	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
15	An Accurate Mass Determination for Kepler-1655b, a Moderately Irradiated World with a Significant Volatile Envelope. <i>Astronomical Journal</i> , 2018, 155, 203.	4.7	19
16	Atomic iron and titanium in the atmosphere of the exoplanet KELT-9b. <i>Nature</i> , 2018, 560, 453-455.	27.8	179
17	Celebrating 20 years of scientific and technical results with the INAF-TNG Telescope. , 2018, , .		0
18	LOCNES: low cost NIR extended solar telescope. , 2018, , .		2

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19	The Kepler-19 System: A Thick-envelope Super-Earth with Two Neptune-mass Companions Characterized Using Radial Velocities and Transit Timing Variations. <i>Astronomical Journal</i> , 2017, 153, 224.	4.7	58
20	Three-planet system: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets. <i>Astronomical Journal</i> , 2017, 154, 122.	4.7	90
21	Precise Masses in the WASP-47 System. <i>Astronomical Journal</i> , 2017, 154, 237.	4.7	66
22	Astro-comb calibrator and spectrograph characterization using a turn-key laser frequency comb. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2017, 3, 1.	1.8	9
23	KEPLER-21b: A ROCKY PLANET AROUND A V=8.25 mag STAR*. <i>Astronomical Journal</i> , 2016, 152, 204.	4.7	80
24	A 1.9 EARTH RADIUS ROCKY PLANET AND THE DISCOVERY OF A NON-TRANSITING PLANET IN THE KEPLER-20 SYSTEM*. <i>Astronomical Journal</i> , 2016, 152, 160.	4.7	85
25	THE ORBIT AND MASS OF THE THIRD PLANET IN THE KEPLER-56 SYSTEM. <i>Astronomical Journal</i> , 2016, 152, 165.	4.7	58
26	An astro-comb calibrated solar telescope to search for the radial velocity signature of Venus. <i>Proceedings of SPIE</i> , 2016, , .	0.8	22
27	THE KEPLER-454 SYSTEM: A SMALL, NOT-ROCKY INNER PLANET, A JOVIAN WORLD, AND A DISTANT COMPANION. <i>Astrophysical Journal</i> , 2016, 816, 95.	4.5	55
28	THE MASS OF Kepler-93b AND THE COMPOSITION OF TERRESTRIAL PLANETS. <i>Astrophysical Journal</i> , 2015, 800, 135.	4.5	211
29	CHARACTERIZING K2 PLANET DISCOVERIES: A SUPER-EARTH TRANSITING THE BRIGHT K DWARF HIP 116454. <i>Astrophysical Journal</i> , 2015, 800, 59.	4.5	104
30	HARPS-N OBSERVES THE SUN AS A STAR. <i>Astrophysical Journal Letters</i> , 2015, 814, L21.	8.3	112
31	Approaches to the interferometric test of large flat mirrors: the case of the adaptive M4 for E-ELT. , 2014, , .		2
32	THE KEPLER-10 PLANETARY SYSTEM REVISITED BY HARPS-N: A HOT ROCKY WORLD AND A SOLID NEPTUNE-MASS PLANET. <i>Astrophysical Journal</i> , 2014, 789, 154.	4.5	164
33	BATMAN: a DMD-based multi-object spectrograph on Galileo telescope. , 2014, , .		7
34	Project overview and update on WEAVE: the next generation wide-field spectroscopy facility for the William Herschel Telescope. <i>Proceedings of SPIE</i> , 2014, , .	0.8	47
35	LaNotte, the TNG metric system after two years of data. , 2014, , .		0
36	ROS2: a multichannel vision for the robotic REM telescope. <i>Proceedings of SPIE</i> , 2014, , .	0.8	4

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37	HARPS-N @ TNG, two year harvesting data: performances and results. Proceedings of SPIE, 2014, , .	0.8	34
38	An Earth-sized planet with an Earth-like density. Nature, 2013, 503, 377-380.	27.8	199
39	DMD-based multi-object spectrograph on Galileo telescope. Proceedings of SPIE, 2013, , .	0.8	0
40	BATMAN: a DMD-based MOS demonstrator on Galileo Telescope. , 2012, , .		1
41	A software complex for TNG Observatory efficiency measurements. , 2012, , .		0
42	Harps-N: the new planet hunter at TNG. Proceedings of SPIE, 2012, , .	0.8	219
43	The new TNG-DIMM: calibrations and first data analysis. , 2012, , .		1
44	Path to the stars: the evolution of the species in the hunting to the GRBs. , 2010, , .		2
45	A Path to the Stars: The Evolution of the Species. Advances in Astronomy, 2010, 2010, 1-14.	1.1	1
46	REM: Automatic for the People. Advances in Astronomy, 2010, 2010, 1-7.	1.1	4
47	The REM Observing Software. Advances in Astronomy, 2010, 2010, 1-9.	1.1	10
48	The optical tests for the E-ELT adaptive mirror demonstration prototype. , 2010, , .		2
49	Optical testing of aspheres based on photochromic computer-generated holograms. , 2010, , .		1
50	Radetzky: a new, large grazing incidence interferometer for large plane surface testing. Proceedings of SPIE, 2008, , .	0.8	0
51	X-shooter-backbone and UV-blue and visible spectrographs: final AIV and measured performances. , 2008, , .		1
52	The field stabilization and adaptive optics mirrors for the European Extremely Large Telescope. Proceedings of SPIE, 2008, , .	0.8	10
53	GRB 080319B: the prompt emission of the "Naked Eye Burst". AIP Conference Proceedings, 2008, , .	0.4	0
54	Monitoring with high temporal resolution to search for optical transients in the wide field. AIP Conference Proceedings, 2008, , .	0.4	1

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55	VPHGs tunes. , 2008, , .		0
56	Panoramic detector with high time resolution on base of GaAs photocathode. Proceedings of SPIE, 2008, , .	0.8	2
57	Rewritable VPHGs based on photochromic materials. Proceedings of SPIE, 2008, , .	0.8	0
58	TORTORA discovery of Naked-Eye Burst fast optical variability. , 2008, , .		5
59	Ground-based complex for detection and investigation of fast optical transients in wide field. , 2008, , .		0
60	AMICA (Antarctic Multiband Infrared CAmera) project. , 2006, , .		3
61	VPHGs abused. , 2006, , .		0
62	AMICA â€œ the infrared eye at Dome C. Proceedings of the International Astronomical Union, 2006, 2, 700-701.	0.0	0
63	New developments in photochromic materials for volume phase holographic gratings. , 2006, 6273, 1213.		3
64	AGAR-AGAR: a high-efficiency narrow-band imager for ELTs. , 2006, 6269, 1895.		1
65	The International Robotic Antarctic Infrared Telescope (IRAIT). , 2006, , .		16
66	The REM optical slitless spectrograph (ROSS). , 2004, 5492, 689.		13
67	The commissioning of the REM-IR camera at La Silla. , 2004, , .		17
68	INCA: a light 1- to 5- $\frac{1}{4}$ m camera for ground and space applications. , 2004, , .		0
69	AQuA: an automatic pipeline for fast transients detection. , 2004, 5496, 729.		4
70	A fiber-fed VPHG-based high-resolution spectrograph for moderate-aperture robotic telescopes. , 2004, , .		0
71	Rewriting optical elements. , 2004, 5494, 545.		3
72	REM: a fully robotic telescope for GRB observations. , 2004, , .		35

#	ARTICLE	IF	CITATIONS
73	Where have our VPHGs gone?. , 2004, , .		2
74	The REM telescope: a robotic multiwavelength facility. , 2004, 5492, 1590.		15
75	Rewritable photochromic focal plane masks. , 2003, , .		2
76	Polarization properties at the Nasmyth: focus of the alt-azimuth TNG telescope. , 2003, , .		12
77	REM telescope, a robotic facility to monitor the prompt afterglow of Gamma Ray Bursts. , 2003, , .		2
78	VPHG in the cold. , 2003, 4842, 22.		6
79	Retrofitting focal reducer spectrographs with removable integral field units. , 2003, 4842, 219.		2
80	The REM-IR camera: High quality near infrared imaging with a small robotic telescope. , 2003, 4841, 627.		15
81	The ICE spectrograph for PEPSI at the LBT: preliminary optical design. , 2003, , .		1
82	<title>VPHG-based upgrade of the low-resolution spectrograph d.o.lo.res. at the Italian Galileo National Telescope</title>. , 2002, , .		1
83	<title>Photochromic polymers for erasable focal plane masks and rewritable volume-phase holographic gratings</title>. , 2002, , .		0
84	H $\pm$ Rotation Curves: The Soft Core Question. Astrophysical Journal, 2002, 575, 801-813.	4.5	103