

Giuseppe Leto

List of Publications by Year in descending order

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108
papers

3,326
citations

147801

31
h-index

161849

54
g-index

108
all docs

108
docs citations

108
times ranked

3936
citing authors

#	ARTICLE	IF	CITATIONS
1	Five carbon- and nitrogen-bearing species in a hot giant planet's atmosphere. <i>Nature</i> , 2021, 592, 205-208.	27.8	99
2	Dual-Wavelength Polarimetric Lidar Observations of the Volcanic Ash Cloud Produced during the 2016 Etna Eruption. <i>Remote Sensing</i> , 2021, 13, 1728.	4.0	3
3	HADES RV programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2021, 651, A93.	5.1	4
4	Small-scale volcanic aerosols variability, processes and direct radiative impact at Mount Etna during the EPL-RADIO campaigns. <i>Scientific Reports</i> , 2020, 10, 15224.	3.3	16
5	Multi-Sensor Analysis of a Weak and Long-Lasting Volcanic Plume Emission. <i>Remote Sensing</i> , 2020, 12, 3866.	4.0	5
6	A Decade with VAMDC: Results and Ambitions. <i>Atoms</i> , 2020, 8, 76.	1.6	53
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	Multiwavelength behaviour of the blazar 3C 279: decade-long study from γ -ray to radio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3829-3848.	4.4	40
9	The GAPS programme at TNG. <i>Astronomy and Astrophysics</i> , 2020, 639, A50.	5.1	9
10	Gliese 49: activity evolution and detection of a super-Earth. <i>Astronomy and Astrophysics</i> , 2019, 624, A123.	5.1	18
11	HADES RV program with HARPS-N at the TNG. <i>Astronomy and Astrophysics</i> , 2019, 622, A193.	5.1	21
12	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. <i>Astroparticle Physics</i> , 2019, 111, 35-53.	4.3	35
13	The GAPS Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2019, 621, A110.	5.1	8
14	Lower atmosphere and pressure evolution on Pluto from ground-based stellar occultations, 1988–2016. <i>Astronomy and Astrophysics</i> , 2019, 625, A42.	5.1	29
15	First Volcanic Plume Measurements by an Elastic/Raman Lidar Close to the Etna Summit Craters. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	9
16	A chemical survey of exoplanets with ARIEL. <i>Experimental Astronomy</i> , 2018, 46, 135-209.	3.7	249
17	The HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 617, A104.	5.1	28
18	The GAPS Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 616, A155.	5.1	24

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19	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 613, A41.	5.1	49
20	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
21	HADES RV programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 612, A89.	5.1	51
22	Maximum-Likelihood Retrieval of Volcanic Ash Concentration and Particle Size From Ground-Based Scanning Lidar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 5824-5842.	6.3	11
23	The ACS/OPC-UA based ICT infrastructure monitoring system of the ASTRI SST-2M prototype proposed for the Cherenkov Telescope Array. , 2018, , .		3
24	Spatio-temporal monitoring by ground-based and air- and space-borne lidars of a moderate Saharan dust event affecting southern Europe in June 2013 in the framework of the ADRIMED/ChArMEX campaign. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 261-285.	3.3	10
25	Prospects for Cherenkov Telescope Array Observations of the Young Supernova Remnant RX J1713.7âˆ’3946. <i>Astrophysical Journal</i> , 2017, 840, 74.	4.5	14
26	Synchrotron emission from the blazar PG 1553+113. An analysis of its flux and polarization variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3762-3774.	4.4	19
27	Monitoring crustal changes at volcanoes by seismic noise interferometry: Mt. Etna case of study. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 337, 165-174.	2.1	11
28	The size, shape, density and ring of the dwarf planet Haumea from a stellar occultation. <i>Nature</i> , 2017, 550, 219-223.	27.8	179
29	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 605, A92.	5.1	27
30	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 598, A27.	5.1	32
31	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 598, A28.	5.1	28
32	TOSC: an algorithm for the tomography of spotted transit chords. <i>Astronomy and Astrophysics</i> , 2017, 606, A134.	5.1	6
33	The GAPS Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 601, A53.	5.1	41
34	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 608, A63.	5.1	14
35	HADES RV program with HARPS-N at the TNG GJâ€™s3998: An early M-dwarf hosting a system of super-Earths. <i>Astronomy and Astrophysics</i> , 2016, 593, A117.	5.1	51
36	The virtual atomic and molecular data centre (VAMDC) consortium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 074003.	1.5	120

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37	Spot modelling of periodic weak-line T Tauri stars observed by CoRoT in NGC 2264. <i>Astronomy and Astrophysics</i> , 2016, 592, A140.	5.1	9
38	MULTIFREQUENCY PHOTO-POLARIMETRIC WEBT OBSERVATION CAMPAIGN ON THE BLAZAR S5 0716+714: SOURCE MICROVARIABILITY AND SEARCH FOR CHARACTERISTIC TIMESCALES*. <i>Astrophysical Journal</i> , 2016, 831, 92.	4.5	47
39	Contribution of EARLINET/ACTRIS to the summer 2013 Special Observing Period of the ChArMEx project: monitoring of a Saharan dust event over the western and central Mediterranean. <i>International Journal of Remote Sensing</i> , 2016, 37, 4698-4711.	2.9	5
40	The ICT monitoring system of the ASTRI SST-2M prototype proposed for the Cherenkov Telescope Array. , 2016, , .		1
41	The triple system AT Mic AB + AU Mic in the $\hat{\iota}^2$ \$eta \$ Pictoris association. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	4
42	The ASTRI mini-array software system (MASS) implementation: a proposal for the Cherenkov Telescope Array. , 2016, , .		2
43	Software use cases to elicit the software requirements analysis within the ASTRI project. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
44	Information and Communications Technology (ICT) Infrastructure for the ASTRI SST-2M telescope prototype for the Cherenkov Telescope Array. , 2016, , .		3
45	Volcanic ash concentration during the 12 August 2011 Etna eruption. <i>Geophysical Research Letters</i> , 2015, 42, 2634-2641.	4.0	34
46	All Sky Camera, LIDAR and Electric Field Meter: Auxiliary instruments for the ASTRI SST-2M prototype. <i>EPJ Web of Conferences</i> , 2015, 89, 02006.	0.3	1
47	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2015, 575, A111.	5.1	46
48	DISCOVERY OF A HIGHLY POLARIZED OPTICAL MICROFLARE IN BLAZAR S5 0716+714 DURING THE 2014 WEBT CAMPAIGN. <i>Astrophysical Journal Letters</i> , 2015, 809, L27.	8.3	24
49	The EChO science case. <i>Experimental Astronomy</i> , 2015, 40, 329-391.	3.7	31
50	Large Binocular Telescope view of the atmosphere of GJ1214b. <i>Astronomy and Astrophysics</i> , 2015, 579, A113.	5.1	26
51	The ASTRI SST-2M prototype for the Cherenkov Telescope Array: opto-mechanical test results. , 2015, , .		1
52	Total eclipse of the heart: the AM CVn Gaia14aae/ASSASN-14cn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1060-1067.	4.4	32
53	Preparing EChO space mission: laboratory simulation of planetary atmospheres. , 2014, , .		0
54	The GAPS programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2014, 567, L6.	5.1	26

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55	The ASTRI/CTA mini-array software system. , 2014, , .		3
56	The ASTRI SST-2M prototype for the next generation of Cherenkov telescopes: a single framework approach from requirement analysis to integration and verification strategy definition. , 2014, , .		2
57	The control, monitor, and alarm system for the ICT equipment of the ASTRI SST-2M telescope prototype for the Cherenkov Telescope Array. Proceedings of SPIE, 2014, , .	0.8	0
58	Î¼ Eridani from MOSTâ... and from the ground: an orbit, the SPB component's fundamental parameters and the SPB frequencies. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1032-1045.	4.4	9
59	The GAPS programme with HARPS-N at TNG. Astronomy and Astrophysics, 2013, 554, A28.	5.1	103
60	Linking the IR transmittance to size and type of volcanic ash particles. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,207.	3.3	5
61	Monitoring Etna volcanic plumes using a scanning LiDAR. Bulletin of Volcanology, 2012, 74, 2383-2395.	3.0	32
62	Lidar depolarization measurement of fresh volcanic ash from Mt. Etna, Italy. Atmospheric Environment, 2012, 62, 34-40.	4.1	30
63	EChO. Experimental Astronomy, 2012, 34, 311-353.	3.7	98
64	Photospheric activity, rotation, and star-planet interaction of the planet-hosting star CoRoT-6. Astronomy and Astrophysics, 2011, 525, A14.	5.1	35
65	VAMDCâ€”The Virtual Atomic and Molecular Data Centreâ€”A New Way to Disseminate Atomic and Molecular Dataâ€”VAMDC Level 1 Release. AIP Conference Proceedings, 2011, , .	0.4	24
66	The Usage of the Grid in the Simulation of the Comet Oort-Cloud Formation. Computer Communications and Networks, 2011, , 293-306.	0.8	0
67	The science of EChO. Proceedings of the International Astronomical Union, 2010, 6, 359-370.	0.0	5
68	H bonds in astrophysical ices. Journal of Molecular Structure, 2010, 972, 64-67.	3.6	44
69	Virtual atomic and molecular data centre. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 2151-2159.	2.3	164
70	A multi-site campaign to detect the transit of the second planet in HAT-P-13. Astronomy and Astrophysics, 2010, 523, A84.	5.1	17
71	Probing the relation between the structure of initial proto-planetary disc and the Oort-cloud formation. Astronomy and Astrophysics, 2010, 509, A48.	5.1	5
72	Photospheric activity, rotation, and radial velocity variations of the planet-hosting star CoRoT-7. Astronomy and Astrophysics, 2010, 520, A53.	5.1	66

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73	CoRoT and stellar activity: preliminary results from the modelling of CoRoT-Exo-2a. , 2009, , .		0
74	The RACE-OC project: Rotation and Activity Evolution in Open Clusters. , 2009, , .		0
75	Probing the Low-Mass Population in IC 2391: Constraining the IMF and Identifying Candidate Debris Disks. , 2009, , .		0
76	2-Gyr Simulation of the Oort-cloud Formation II. A Close View of the Inner Oort cloud after the First Two Giga-years. Earth, Moon and Planets, 2009, 105, 263-266.	0.6	2
77	2-Gyr Simulation of the Oort-Cloud Formation. I. Introduction on a New Model of the Outer Oort-Cloud Formation. Earth, Moon and Planets, 2009, 105, 257-261.	0.6	2
78	Few Comments on the Relation Between the Initial Proto-planetary Disc Model and the Oort Cloud Formation. Earth, Moon and Planets, 2009, 105, 367-371.	0.6	0
79	CoRoT-2a Magnetic Activity: Hints for Possible Star-Planet Interaction. Earth, Moon and Planets, 2009, 105, 373-378.	0.6	45
80	The Outer Part of the Scattered Disc from the Simulation of the Formation of Small-body Reservoirs. Earth, Moon and Planets, 2009, 105, 379-383.	0.6	0
81	Notes on the outer-Oort-cloud formation efficiency in the simulation of Oort cloud formation. Astronomy and Astrophysics, 2009, 497, 847-850.	5.1	1
82	A deep multi-band investigation of IC 2391. Astronomy and Astrophysics, 2009, 499, 541-555.	5.1	6
83	Photospheric activity and rotation of the planet-hosting star CoRoT-4a. Astronomy and Astrophysics, 2009, 506, 255-262.	5.1	39
84	Magnetic activity in the photosphere of CoRoT-Exo-2a. Astronomy and Astrophysics, 2009, 493, 193-200.	5.1	137
85	Raman spectroscopy of ion-irradiated astrophysically relevant materials. Journal of Raman Spectroscopy, 2008, 39, 211-219.	2.5	16
86	The structure of the inner Oort cloud from the simulation of its formation for 2 Gyr. Monthly Notices of the Royal Astronomical Society, 2008, 391, 1350-1358.	4.4	20
87	Sensitivity of different resistant tumour cell lines to the two novel compounds (2Z,4E)-2-methylsulfanyl-5-(1-naphthyl)-4-nitro-2,4-pentadienoate and (1E,3E)-1,4-bis(2-naphthyl)-2,3-dinitro-1,3-butadiene. European Journal of Pharmacology, 2008, 588, 47-51.	3.5	12
88	The simulation of the outer Oort cloud formation. Astronomy and Astrophysics, 2008, 487, 345-355.	5.1	16
89	Ion irradiation of astrophysical ices. Journal of Physics: Conference Series, 2008, 101, 012002.	0.4	25
90	Hydrate sulfuric acid after sulfur implantation in water ice. Icarus, 2007, 192, 623-628.	2.5	39

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91	Production of Oxidants by Ion Irradiation of Water/Carbon Dioxide Frozen Mixtures. <i>Astrobiology</i> , 2005, 5, 612-621.	3.0	28
92	Hydrogen peroxide production by ion irradiation of thin water ice films. <i>Astronomy and Astrophysics</i> , 2004, 420, 405-410.	5.1	55
93	Raman spectroscopy of ion-irradiated interplanetary carbon dust analogues. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 487-496.	2.5	34
94	Hydrogen peroxide formation by ion implantation in water ice and its relevance to the Galilean satellites. <i>Planetary and Space Science</i> , 2004, 52, 371-378.	1.7	73
95	Ion irradiation of CH ₄ -containing icy mixtures. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 209, 283-287.	1.4	29
96	Implantation of carbon and nitrogen ions in water ice. <i>Icarus</i> , 2003, 164, 163-169.	2.5	53
97	A comparison of ion irradiation and UV photolysis of CH ₄ and CH ₃ OH. <i>Astronomy and Astrophysics</i> , 2002, 384, 343-349.	5.1	104
98	A Search for Radio Emission at the Bottom of the Main Sequence and Beyond. <i>Astronomical Journal</i> , 1999, 118, 1369-1372.	4.7	19
99	Interaction of solar wind ions with planetary surfaces. <i>Advances in Space Research</i> , 1995, 15, 13-17.	2.6	4
100	Radiation chemistry of ices of planetological interest at low temperature. <i>Advances in Space Research</i> , 1995, 16, 61-71.	2.6	10
101	On the Observability of -SiH Vibrational Stretch on Solid Objects in the Solar System. <i>Icarus</i> , 1994, 108, 169-171.	2.5	7
102	Ion irradiation experiments relevant to the physics of comets. <i>Planetary and Space Science</i> , 1994, 42, 759-766.	1.7	39
103	Ion irradiation experiments. <i>Advances in Space Research</i> , 1993, 13, 189-198.	2.6	14
104	Ion-Beam-Induced Amorphization of Crystalline Water Ice. <i>Europhysics Letters</i> , 1992, 18, 517-522.	2.0	80
105	Application of ion irradiation experiments to planetary surfaces in the Outer Solar System. <i>Earth, Moon and Planets</i> , 1992, 56, 35-45.	0.6	3
106	Ion irradiation experiments relevant to cometary physics. <i>Journal of Geophysical Research</i> , 1991, 96, 17547-17552.	3.3	27
107	Vibrational spectroscopy of as-prepared and ion-irradiated glycine films. <i>Infrared Physics</i> , 1991, 31, 511-516.	0.5	9
108	Molecular Alteration and Carbonization of Glycine by Ion Irradiation. <i>Europhysics Letters</i> , 1991, 16, 201-204.	2.0	14