Ludmila Carone

List of Publications by Year
in descending order

56 papers	2,510 citations	172457 29 h-index	206112 48 g-index
57 all docs	57 docs citations	57 times ranked	1778 citing authors

#	Article	IF	Citations
1	An upper limit on late accretion and water delivery in the TRAPPIST-1 exoplanet system. Nature Astronomy, 2022, 6, 80-88.	10.1	25
2	Grid of pseudo-2D chemistry models for tidally locked exoplanets â€“ II. The role of photochemistry. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4877-4892.	4.4	15
3	3D Radiative Transfer for Exoplanet Atmospheres. gCMCRT: A GPU-accelerated MCRT Code. Astrophysical Journal, 2022, 929, 180.	4.5	20
4	Indications for very high metallicity and absence of methane in the eccentric exo-Saturn WASP-117b. Astronomy and Astrophysics, 2021, 646, A168.	5.1	15
5	Habitability Models for Planetary Sciences. , 2021, 53, .		3
6	Cloud property trends in hot and ultra-hot giant gas planets (WASP-43b, WASP-103b, WASP-121b,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.1	32
7	Grid of pseudo-2D chemistry models for tidally locked exoplanets â€“ I. The role of vertical and horizontal mixing. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5603-5653.	4.4	27
8	Magma Ocean Evolution of the TRAPPIST-1 Planets. Astrobiology, 2021, 21, 1325-1349.	3.0	24
9	Habitability Models for Astrobiology. Astrobiology, 2021, 21, 1017-1027.	3.0	13
10	Probing the atmosphere of WASP-69 b with low- and high-resolution transmission spectroscopy. Astronomy and Astrophysics, 2021, 656, A142.	5.1	11
11	Equatorial retrograde flow in WASP-43b elicited by deep wind jets?. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3582-3614.	4.4	50
12	A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. Astronomical Journal, 2020, 160, 275.	4.7	19
13	Global Chemistry and Thermal Structure Models for the Hot Jupiter WASP-43b and Predictions for JWST. Astrophysical Journal, 2020, 890, 176.	4.5	53
14	The influence of planetary engulfment on stellar rotation in metal-poor main-sequence stars. Astronomy and Astrophysics, 2020, 643, A34.	5.1	7
15	Ephemeris refinement of 21 hot Jupiter exoplanets with high timing uncertainties. Astronomy and Astrophysics, 2019, 622, A81.	5.1	22
16	The Transiting Exoplanet Community Early Release Science Program for JWST. Publications of the Astronomical Society of the Pacific, 2018, 130, 114402.	3.1	100
17	Stratosphere circulation on tidally locked ExoEarths. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4672-4685.	4.4	51
18	Connecting the dots â€“ III. Nightside cooling and surface friction affect climates of tidally locked terrestrial planets. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1981-2002.	4.4	48

#	Article	IF	Citations
19	Connecting the dots â€“ II. Phase changes in the climate dynamics of tidally locked terrestrial exoplanets. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2413-2438.	4.4	73
20	Connecting the dots: a versatile model for the atmospheres of tidally locked Super-Earths. Monthly Notices of the Royal Astronomical Society, 2014, 445, 930-945.	4.4	56
21	Atmospheric dynamics on tidally locked Earth-like planets in the habitable zone of an M dwarf star. Proceedings of the International Astronomical Union, 2013, 8, 376-377.	0.0	1
22	Kepler-77b: a very low albedo, Saturn-mass transiting planet around a metal-rich solar-like star. Astronomy and Astrophysics, 2013, 557, A74.	5.1	37
23	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2012, 545, A6.	5.1	20
24	Planetary transit candidates in the CoRoT-SRc01 field. Astronomy and Astrophysics, 2012, 539, A14.	5.1	22
25	Planetary transit candidates in the CoRoT LRa01 field. Astronomy and Astrophysics, 2012, 538, A112.	5.1	27
26	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2012, 541, A149.	5.1	13
27	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2012, 537, A136.	5.1	25
28	The needle in the haystack: searching for transiting extrasolar planets inâ€,CoRoTâ€,stellar light curves. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1045-1052.	4.4	51
29	Transiting exoplanets from the CoRoT space mission Resolving the nature of transit candidates for the LRa03 and SRa03 fields. Astrophysics and Space Science, 2012, 337, 511-529.	1.4	15
30	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2011, 531, A41.	5.1	33
31	Transiting exoplanets from theCoRoTspace mission. Astronomy and Astrophysics, 2011, 525, A68.	5.1	83
32	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2011, 528, A97.	5.1	21
33	Transiting exoplanets from the CoRoT spaceÂmission. Astronomy and Astrophysics, 2011, 533, A130.	5.1	42
34	THE MASS OF CoRoT-7b. Astrophysical Journal, 2011, 743, 75.	4.5	127
35	Transiting exoplanets from theCoRoTspace mission. Astronomy and Astrophysics, 2010, 524, A55.	5.1	59
36	Transiting exoplanets from the CoRoTÂspace mission. Astronomy and Astrophysics, 2010, 512, A14.	5.1	53

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37	An algorithm for correcting CoRoT raw light curves. Astronomy and Astrophysics, 2010, 522, A86.	5.1	16
38	Exoplanet discoveries with the CoRoT space observatory. Solar System Research, 2010, 44, 520-526.	0.7	4
39	Hot subdwarfs in binary systems and the nature of their unseen companions. Astrophysics and Space Science, 2010, 329, 91-99.	1.4	6
40	The SARS algorithm: detrending CoRoT light curves with Sysrem using simultaneous external parameters. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 404, L99-L103.	3.3	51
41	A transiting giant planet with a temperature between 250â€‰K and 430â€‰K. Nature, 2010, 464, 384-387.	27.8	111
42	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2010, 520, A66.	5.1	55
43	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2010, 522, A110.	5.1	41
44	PRE-DISCOVERY OBSERVATIONS OF CoRoT-1b AND CoRoT-2b WITH THE BEST SURVEY. Astronomical Journal, 2010, 139, 53-58.	4.7	37
45	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2010, 520, A65.	5.1	62
46	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2010, 520, A97.	5.1	33
47	Planetary transit candidates in Corot-IRa01 field. Astronomy and Astrophysics, 2009, 506, 491-500.	5.1	32
48	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2009, 506, 281-286.	5.1	48
49	Rate and nature of false positives in the CoRoT exoplanet search. Astronomy and Astrophysics, 2009, 506, 337-341.	5.1	44
50	Planetary transit candidates in CoRoT-LRc01 field. Astronomy and Astrophysics, 2009, 506, 501-517.	5.1	34
51	Transiting exoplanets from the CoRoT space mission. Astronomy and Astrophysics, 2009, 506, 287-302.	5.1	460
52	Constraints on the tidal dissipation factor of a main sequence star: The case of OGLE-TR-56b. Planetary and Space Science, 2007, 55, 643-650.	1.7	54
53	Rosetta Radio Science Investigations (RSI). Space Science Reviews, 2007, 128, 599-627.	8.1	34
54	Stability of terrestrial planets in the habitable zone of GlÂ777ÂA, HD 72659, Gl 614, 47 Uma and HD 4208. Astronomy and Astrophysics, 2004, 426, 353-365.	5.1	65

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55	Tidal interactions of close-in extrasolar planets: The OGLE cases. Astronomy and Astrophysics, 2004, 427, 1075-1080.	5.1	28
56	Detecting life outside our solar system with a large high-contrast-imaging mission. Experimental Astronomy, 0, , 1.	3.7	2