Federico Marocco

List of Publications by Year
in descending order

38 papers	1,448 citations	331670 21 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	1851 citing authors

#	Article	IF	Citations
1	The CatWISE2020 Catalog. Astrophysical Journal, Supplement Series, 2021, 253, 8.	7.7	131
2	The discovery of a very cool, very nearby brown dwarf in the Galactic plane. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 408, L56-L60.	3.3	109
3	76 T dwarfs from the UKIDSS LAS: benchmarks, kinematics and an updated space density. Monthly Notices of the Royal Astronomical Society, 2013, 433, 457-497.	4.4	108
4	VIRAC: the VVV Infrared Astrometric Catalogue. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1826-1849.	4.4	103
5	The Field Substellar Mass Function Based on the Full-sky 20 pc Census of 525 L, T, and Y Dwarfs. Astrophysical Journal, Supplement Series, 2021, 253, 7.	7.7	87
6	Preliminary Trigonometric Parallaxes of 184 Late-T and Y Dwarfs and an Analysis of the Field Substellar Mass Function into the â€œPlanetaryâ€•Mass Regime. Astrophysical Journal, Supplement Series, 2019, 240, 19.	7.7	83
7	PARALLAXES OF SOUTHERN EXTREMELY COOL OBJECTS (PARSEC). II. SPECTROSCOPIC FOLLOW-UP AND PARALLAXES OF 52 TARGETS. Astronomical Journal, 2013, 146, 161.	4.7	67
8	A large spectroscopic sample of L and T dwarfs from UKIDSS LAS: peculiar objects, binaries, and space density. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3651-3692.	4.4	64
9	The CatWISE Preliminary Catalog: Motions from WISE and NEOWISE Data. Astrophysical Journal, Supplement Series, 2020, 247, 69.	7.7	63
10	Discovery of the benchmark metal-poor T8 dwarf BD +01Â° 2920B. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1922-1932.	4.4	57
11	The extremely red L dwarf ULAS J222711â’004547 â€“ dominated by dust. Monthly Notices of the Royal Astronomical Society, 2014, 439, 372-386.	4.4	49
12	Primeval very low-mass stars and brown dwarfs â€“ I. Six new L subdwarfs, classification and atmospheric properties. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3040-3059.	4.4	47
13	The Gaia ultracool dwarf sample â€“ I. Known L and T dwarfs and the first Gaia data release. Monthly Notices of the Royal Astronomical Society, 2017, 469, 401-415.	4.4	44
14	The first planet detected in the WTS: an inflated hot Jupiter in a 3.35â€‰d orbit around a late F star. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1877-1890.	4.4	42
15	The sub-stellar birth rate from UKIDSSâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1171-1187.	4.4	42
16	A catalogue of bright (K < 9) M dwarfs. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2161-2170.	4.4	40
17	Identifying ultra-cool dwarfs at low Galactic latitudes: a southern candidate catalogue. Monthly Notices of the Royal Astronomical Society, 2012, 427, 3280-3319.	4.4	30
18	A spectroscopic and proper motion search of Sloan Digital Sky Survey: red subdwarfs in binary systems. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1005-1027.	4.4	28

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19	Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations. Astronomical Journal, 2020, 160, 26.	4.7	28
20	Expanding the Y Dwarf Census with Spitzer Follow-up of the Coldest CatWISE Solar Neighborhood Discoveries. Astrophysical Journal, 2020, 889, 74.	4.5	26
21	Two new ultracool benchmark systems from WISE+2MASS. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2745-2755.	4.4	24
22	WISEA J041451.67â€“585456.7 and WISEA J181006.18â€“101000.5: The First Extreme T-type Subdwarfs?. Astrophysical Journal, 2020, 898, 77.	4.5	24
23	Discovery of a brown dwarf companion to the A3V star Î² Circini. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4476-4483.	4.4	20
24	CWISEP J193518.59â€“154620.3: An Extremely Cold Brown Dwarf in the Solar Neighborhood Discovered with CatWISE. Astrophysical Journal, 2019, 881, 17.	4.5	17
25	New Candidate Extreme T Subdwarfs from the Backyard Worlds: Planet 9 Citizen Science Project. Astrophysical Journal, 2021, 915, 120.	4.5	17
26	WISEP J061135.13â€“041024.0 AB: AJ-BAND FLUX REVERSAL BINARY AT THE L/T TRANSITION. Astronomical Journal, 2014, 148, 6.	4.7	11
27	A Late-type L Dwarf at 11 pc Hiding in the Galactic Plane Characterized Using Gaia DR2. Astrophysical Journal, 2018, 868, 44.	4.5	11
28	Improved Infrared Photometry and a Preliminary Parallax Measurement for the Extremely Cold Brown Dwarf CWISEP J144606.62-231717.8. Astrophysical Journal Letters, 2020, 888, L19.	8.3	11
29	The Enigmatic Brown Dwarf WISEA J153429.75-104303.3 (a.k.a. â€œThe Accidentâ€). Astrophysical Journal Letters, 2021, 915, L6.	8.3	11
30	Ultracool dwarf benchmarks with Gaia primaries. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4885-4907.	4.4	10
31	Ross 19B: An Extremely Cold Companion Discovered via the Backyard Worlds: Planet 9 Citizen Science Project. Astrophysical Journal, 2021, 921, 140.	4.5	9
32	A Wide Planetary Mass Companion Discovered through the Citizen Science Project Backyard Worlds: Planet 9. Astrophysical Journal, 2021, 923, 48.	4.5	9
33	Parallaxes and infrared photometry of three Y0 dwarfs. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3764-3774.	4.4	7
34	The GaiaÂUltra-Cool Dwarf Sample â€“ III: seven new multiple systems containing at least one GaiaÂDR2 ultracool dwarf.. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4891-4906.	4.4	6
35	WISE J064336.71-022315.4: A Thick-disk L8 Brown Dwarf Discovered by Gaia DR2 at 13.9 pc. Research Notes of the AAS, 2018, 2, 205.	0.7	4
36	Discovery of 16 New Members of the Solar Neighborhood Using Proper Motions from CatWISE2020. Astronomical Journal, 2022, 163, 116.	4.7	4

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37	Serendipitous discovery of a dusty disc around WDJ181417.84â˜’735459.83. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3916-3925.	4.4	3
38	Low-resolution near-infrared spectroscopic signatures of unresolved ultracool companions to M dwarfs. Monthly Notices of the Royal Astronomical Society, 2017, 467, 5001-5021.	4.4	2