

Annelies Mortier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

2,987
citations

31
h-index

54
g-index

79
ext. papers

3,626
ext. citations

4.8
avg. IF

4.46
L-index

#	Paper	IF	Citations
75	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	4.9	1
74	The First Near-infrared Transmission Spectrum of HIP 41378 f, A Low-mass Temperate Jovian World in a Multiplanet System. <i>Astrophysical Journal Letters</i> , 2022 , 927, L5	7.9	3
73	The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. <i>Astronomical Journal</i> , 2022 , 163, 171	4.9	0
72	Wolf 503 b: Characterization of a Sub-Neptune Orbiting a Metal-poor K Dwarf. <i>Astronomical Journal</i> , 2021 , 162, 238	4.9	0
71	Estimating Magnetic Filling Factors from Simultaneous Spectroscopy and Photometry: Disentangling Spots, Plage, and Network. <i>Astrophysical Journal</i> , 2021 , 920, 21	4.7	1
70	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	4.3	10
69	Long-term stellar activity variations and their effect on radial-velocity measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 830-850	4.3	1
68	Three years of HARPS-N high-resolution spectroscopy and precise radial velocity data for the Sun. <i>Astronomy and Astrophysics</i> , 2021 , 648, A103	5.1	11
67	Planet Hunters TESS III: two transiting planets around the bright G dwarf HD 152843. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 1827-1840	4.3	1
66	Separating planetary reflex Doppler shifts from stellar variability in the wavelength domain. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 1699-1717	4.3	12
65	Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities. <i>Astronomical Journal</i> , 2021 , 161, 287	4.9	4
64	The HARPS search for southern extra-solar planets XLV. Two Neptune mass planets orbiting HD 13808: a study of stellar activity modelling impact on planet detection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 503, 1248-1263	4.3	6
63	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. <i>Astronomical Journal</i> , 2021 , 162, 79	4.9	5
62	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	4.3	1
61	Decoding the radial velocity variations of HD 41248 with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020 , 635, A13	5.1	17
60	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , 2020 , 160, 22	4.9	19
59	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , 2020 , 160, 3	4.9	35

58	TESS Hunt for Young and Maturing Exoplanets (THYME). III. A Two-planet System in the 400 Myr Ursa Major Group. <i>Astronomical Journal</i> , 2020 , 160, 179	4.9	32
57	Testing the Spectroscopic Extraction of Suppression of Convective Blueshift. <i>Astrophysical Journal</i> , 2020 , 888, 117	4.7	8
56	An ultra-short period rocky super-Earth orbiting the G2-star HD 80653. <i>Astronomy and Astrophysics</i> , 2020 , 633, A133	5.1	14
55	K2-111: an old system with two planets in near-resonance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 5004-5021	4.3	9
54	The spectral impact of magnetic activity on disc-integrated HARPS-N solar observations: exploring new activity indicators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 4279-4290	4.3	6
53	Global analysis of the TRAPPIST Ultra-Cool Dwarf Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 497, 3790-3808	4.3	5
52	Three years of Sun-as-a-star radial-velocity observations on the approach to solar minimum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 1082-1100	4.3	40
51	HARPS-N radial velocities confirm the low densities of the Kepler-9 planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 3233-3243	4.3	18
50	K2-291b: A Rocky Super-Earth in a 2.2 day Orbit. <i>Astronomical Journal</i> , 2019 , 157, 116	4.9	11
49	The metallicity-period-mass diagram of low-mass exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 3981-3990	4.3	11
48	HARPS-N Solar RVs Are Dominated by Large, Bright Magnetic Regions. <i>Astrophysical Journal</i> , 2019 , 874, 107	4.7	32
47	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	4.3	29
46	Temporal evolution and correlations of optical activity indicators measured in Sun-as-a-star observations. <i>Astronomy and Astrophysics</i> , 2019 , 627, A118	5.1	14
45	An 11 Earth-mass, Long-period Sub-Neptune Orbiting a Sun-like Star. <i>Astronomical Journal</i> , 2019 , 158, 165	4.9	8
44	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	4.3	5
43	A giant impact as the likely origin of different twins in the Kepler-107 exoplanet system. <i>Nature Astronomy</i> , 2019 , 3, 416-423	12.1	34
42	So close, so different: characterization of the K2-36 planetary system with HARPS-N. <i>Astronomy and Astrophysics</i> , 2019 , 624, A38	5.1	7
41	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	4.9	66

40	An Accurate Mass Determination for Kepler-1655b, a Moderately Irradiated World with a Significant Volatile Envelope. <i>Astronomical Journal</i> , 2018 , 155, 203	4.9	15
39	SWEET-Cat updated. <i>Astronomy and Astrophysics</i> , 2018 , 620, A58	5.1	44
38	Planets around evolved intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2018 , 619, A2	5.1	12
37	K2-263 b: a 50 d period sub-Neptune with a mass measurement using HARPS-N. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 1839-1847	4.3	8
36	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	20
35	Stacked Bayesian general Lomb-Scargle periodogram: Identifying stellar activity signals. <i>Astronomy and Astrophysics</i> , 2017 , 601, A110	5.1	40
34	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	4.9	46
33	SWEET-Cat update and FASMA. <i>Astronomy and Astrophysics</i> , 2017 , 600, A69	5.1	27
32	ThreeË Company: 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	4.9	72
31	Precise Masses in the WASP-47 System. <i>Astronomical Journal</i> , 2017 , 154, 237	4.9	46
30	The HARPS search for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2016 , 585, A135	5.1	20
29	An extreme planetary system around HD 219828. <i>Astronomy and Astrophysics</i> , 2016 , 592, A13	5.1	10
28	WASP-92b, WASP-93b and WASP-118b: three new transiting close-in giant planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 3276-3289	4.3	30
27	The HARPS search for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2016 , 589, A25	5.1	8
26	KEPLER-21b: A ROCKY PLANET AROUND AV= 8.25 mag STAR. <i>Astronomical Journal</i> , 2016 , 152, 204	4.9	71
25	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	4.9	65
24	Li abundances in F stars: planets, rotation, and Galactic evolution. <i>Astronomy and Astrophysics</i> , 2015 , 576, A69	5.1	72
23	The HARPS-N Rocky Planet Search. <i>Astronomy and Astrophysics</i> , 2015 , 584, A72	5.1	89

22	Chemical abundances and kinematics of 257[G-, K-type field giants. Setting a base for further analysis of giant-planet properties orbiting evolved stars?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 1900-1915	4.3	23
21	Homogeneous spectroscopic parameters for bright planet host stars from the northern hemisphere. <i>Astronomy and Astrophysics</i> , 2015 , 576, A94	5.1	28
20	BGLS: A Bayesian formalism for the generalised Lomb-Scargle periodogram. <i>Astronomy and Astrophysics</i> , 2015 , 573, A101	5.1	72
19	Constraining planet structure from stellar chemistry: the cases of CoRoT-7, Kepler-10, and Kepler-93. <i>Astronomy and Astrophysics</i> , 2015 , 580, L13	5.1	54
18	Star-planet connection through metallicity. <i>EAS Publications Series</i> , 2014 , 67-68, 351-352	0.2	
17	The HARPS search for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2014 , 566, A35	5.1	66
16	Li depletion in solar analogues with exoplanets. <i>Astronomy and Astrophysics</i> , 2014 , 562, A92	5.1	75
15	Correcting the spectroscopic surface gravity using transits and asteroseismology. <i>Astronomy and Astrophysics</i> , 2014 , 572, A95	5.1	62
14	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , 2014 , 38, 249-330	1.3	672
13	On the mass estimation for FGK stars: comparison of several methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 2223-2231	4.3	5
12	Spectroscopic parameters for solar-type stars with moderate-to-high rotation. <i>Astronomy and Astrophysics</i> , 2014 , 570, A80	5.1	21
11	Atmospheric parameters of 169 F-, G-, K- and M-type stars in the Kepler field?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 434, 1422-1434	4.3	80
10	SWEET-Cat: A catalogue of parameters for Stars With ExoplanETs. <i>Astronomy and Astrophysics</i> , 2013 , 556, A150	5.1	168
9	On the functional form of the metallicity-giant planet correlation. <i>Astronomy and Astrophysics</i> , 2013 , 551, A112	5.1	50
8	Deriving precise parameters for cool solar-type stars. <i>Astronomy and Astrophysics</i> , 2013 , 555, A150	5.1	110
7	New and updated stellar parameters for 71 evolved planet hosts. <i>Astronomy and Astrophysics</i> , 2013 , 557, A70	5.1	75
6	New and updated stellar parameters for 90 transit hosts. <i>Astronomy and Astrophysics</i> , 2013 , 558, A106	5.1	71
5	Orbital and physical properties of planets and their hosts: new insights on planet formation and evolution. <i>Astronomy and Astrophysics</i> , 2013 , 560, A51	5.1	65

4	A new analysis of the WASP-3 system: no evidence for an additional companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 2757-2771	4.3	38
3	The frequency of giant planets around metal-poor stars. <i>Astronomy and Astrophysics</i> , 2012 , 543, A45	5.1	38
2	Spectroscopic properties of young stellar objects in the Lupus molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 418, 1194-1207	4.3	36
1	SWEET-Cat 2.0: The Cat just got SWEETer. Higher quality spectra and precise parallaxes from GAIA eDR3. <i>Astronomy and Astrophysics</i> ,	5.1	5