

Katja Poppenhaeger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7770298/publications.pdf>

Version: 2024-02-01

71
papers

2,355
citations

257450

24
h-index

233421

45
g-index

71
all docs

71
docs citations

71
times ranked

2557
citing authors

#	ARTICLE	IF	CITATIONS
1	CSI 2264: SIMULTANEOUS OPTICAL AND INFRARED LIGHT CURVES OF YOUNG DISK-BEARING STARS IN NGC 2264 WITH <i>CoRoT</i> and <i>SPITZER</i> "EVIDENCE FOR MULTIPLE ORIGINS OF VARIABILITY. <i>Astronomical Journal</i> , 2014, 147, 82.	4.7	307
2	The Next Generation Transit Survey (NGTS). <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4476-4493.	4.4	189
3	MAGNETOSPHERIC STRUCTURE AND ATMOSPHERIC JOULE HEATING OF HABITABLE PLANETS ORBITING M-DWARF STARS. <i>Astrophysical Journal</i> , 2014, 790, 57.	4.5	124
4	TRANSIT OBSERVATIONS OF THE HOT JUPITER HD 189733b AT X-RAY WAVELENGTHS. <i>Astrophysical Journal</i> , 2013, 773, 62.	4.5	112
5	EXPLAINING THE COEXISTENCE OF LARGE-SCALE AND SMALL-SCALE MAGNETIC FIELDS IN FULLY CONVECTIVE STARS. <i>Astrophysical Journal Letters</i> , 2015, 813, L31.	8.3	100
6	Coronal properties of planet-bearing stars. <i>Astronomy and Astrophysics</i> , 2010, 515, A98.	5.1	98
7	Indications for an influence of hot Jupiters on the rotation and activity of their host stars. <i>Astronomy and Astrophysics</i> , 2014, 565, L1.	5.1	97
8	NGTS-1b: a hot Jupiter transiting an M-dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4467-4475.	4.4	91
9	A CORRELATION BETWEEN HOST STAR ACTIVITY AND PLANET MASS FOR CLOSE-IN EXTRASOLAR PLANETS?. <i>Astrophysical Journal</i> , 2011, 735, 59.	4.5	79
10	YOUNG STELLAR OBJECT VARIABILITY (YSOVAR): LONG TIMESCALE VARIATIONS IN THE MID-INFRARED. <i>Astronomical Journal</i> , 2014, 148, 92.	4.7	75
11	Approaching a realistic force balance in geodynamo simulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12065-12070.	7.1	69
12	Multi-wavelength observations of Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2011, 534, A133.	5.1	66
13	Centroid vetting of transiting planet candidates from the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 295-307.	4.4	46
14	MAGNETIC CYCLES IN A DYNAMO SIMULATION OF FULLY CONVECTIVE M-STAR PROXIMA CENTAURI. <i>Astrophysical Journal Letters</i> , 2016, 833, L28.	8.3	43
15	A Chandra/LETGS Survey of Main-sequence Stars. <i>Astrophysical Journal</i> , 2018, 862, 66.	4.5	39
16	An improved age-activity relationship for cool stars older than a gigayear. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1012-1025.	4.4	38
17	YSOVAR: MID-INFRARED VARIABILITY IN THE STAR-FORMING REGION LYND 1688. <i>Astronomical Journal</i> , 2014, 148, 122.	4.7	37
18	A magnetic cycle of γ Bootis? The coronal and chromospheric view. <i>Astronomische Nachrichten</i> , 2012, 333, 26-29.	1.2	36

#	ARTICLE	IF	CITATIONS
19	X-ray irradiation and evaporation of the four young planets around V1298 Tau. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4560-4572.	4.4	36
20	Transit visibility zones of the Solar system planets. Monthly Notices of the Royal Astronomical Society, 2018, 473, 345-354.	4.4	35
21	NGTS-7Ab: an ultrashort-period brown dwarf transiting a tidally locked and active M dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5146-5164.	4.4	35
22	YSOVAR: MID-INFRARED VARIABILITY IN NGC 1333. Astronomical Journal, 2015, 150, 175.	4.7	34
23	Detection of a giant flare displaying quasi-periodic pulsations from a pre-main-sequence M star by the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5553-5566.	4.4	33
24	A search for star-planet interactions in the α -Andromedae system at X-ray and optical wavelengths. Astronomy and Astrophysics, 2011, 528, A58.	5.1	31
25	Flares in open clusters with K2. Astronomy and Astrophysics, 2021, 645, A42.	5.1	30
26	A test of the neutron star hypothesis for Fomalhaut b. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4018-4024.	4.4	29
27	Three small transiting planets around the M-dwarf host star LP 358-499. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 473, L131-L135.	3.3	27
28	Tuning the Exospace Weather Radio for Stellar Coronal Mass Ejections. Astrophysical Journal, 2020, 895, 47.	4.5	26
29	The potassium absorption on HD189733b and HD209458b. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 489, L37-L41.	3.3	24
30	Automatic vetting of planet candidates from ground-based surveys: machine learning with NGTS. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4225-4237.	4.4	23
31	Quiescent and flaring X-ray emission from the nearby M/T dwarf binary SCR 1845-6357. Astronomy and Astrophysics, 2010, 513, A12.	5.1	20
32	YSOVAR: MID-INFRARED VARIABILITY OF YOUNG STELLAR OBJECTS AND THEIR DISKS IN THE CLUSTER IRAS 20050+2720. Astronomical Journal, 2015, 150, 118.	4.7	19
33	Giant white-light flares on fully convective stars occur at high latitudes. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1723-1745.	4.4	19
34	YSOVAR: MID-INFRARED VARIABILITY AMONG YSOs IN THE STAR FORMATION REGION GGD12-15. Astronomical Journal, 2015, 150, 145.	4.7	18
35	Unmasking the hidden NGTS-3Ab: a hot Jupiter in an unresolved binary system. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4720-4737.	4.4	18
36	Exoplanet X-ray irradiation and evaporation rates with eROSITA. Astronomy and Astrophysics, 2022, 661, A23.	5.1	17

#	ARTICLE	IF	CITATIONS
37	Simulating the Space Weather in the AU Mic System: Stellar Winds and Extreme Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2022, 928, 147.	4.5	17
38	NGTS-2b: an inflated hot-Jupiter transiting a bright F-dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4960-4970.	4.4	16
39	YSOVAR: Mid-infrared Variability among YSOs in the Star Formation Region Serpens South. <i>Astronomical Journal</i> , 2018, 155, 99.	4.7	16
40	The high-energy environment in the super-Earth system CoRoT-7. <i>Astronomy and Astrophysics</i> , 2012, 541, A26.	5.1	16
41	X-RAY EMISSION FROM THE SUPER-EARTH HOST GJ 1214. <i>Astrophysical Journal Letters</i> , 2014, 790, L11.	8.3	15
42	The high energy Universe at ultra-high resolution: the power and promise of X-ray interferometry. <i>Experimental Astronomy</i> , 2021, 51, 1081-1107.	3.7	14
43	An Earth-like Stellar Wind Environment for Proxima Centauri c. <i>Astrophysical Journal Letters</i> , 2020, 902, L9.	8.3	14
44	Helium absorption in exoplanet atmospheres is connected to stellar coronal abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1751-1764.	4.4	14
45	The PEPSI exoplanet transit survey (PETS) I: investigating the presence of a silicate atmosphere on the super-earth 55 Cnc e. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1544-1556.	4.4	14
46	NGTS-5b: a highly inflated planet offering insights into the sub-Jovian desert. <i>Astronomy and Astrophysics</i> , 2019, 625, A142.	5.1	12
47	Tidal star-planet interaction and its observed impact on stellar activity in planet-hosting wide binary systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4380-4404.	4.4	11
48	A low-mass eclipsing binary within the fully convective zone from the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1897-1907.	4.4	10
49	Chromospheric emission of solar-type stars with asteroseismic ages. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 455-467.	4.4	9
50	Robustifying sum-product networks. <i>International Journal of Approximate Reasoning</i> , 2018, 101, 163-180.	3.3	8
51	Probing the atmosphere of HD189733b with the Na I and K I lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1023-1033.	4.4	8
52	Coronal mass ejections and exoplanets: A numerical perspective. <i>Astronomische Nachrichten</i> , 2022, 343, .	1.2	6
53	Searching for flaring star-planet interactions in AU Mic <i>TESS</i> observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4579-4586.	4.4	6
54	The corona of GJ 1151 in the context of star-planet interaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1015-1019.	4.4	5

#	ARTICLE	IF	CITATIONS
55	Destination exoplanet: Habitability conditions influenced by stellar winds properties. <i>Astronomische Nachrichten</i> , 0, , .	1.2	4
56	Solar H α excess during Solar Cycle 24 from full-disk filtergrams of the Chromospheric Telescope. <i>Astronomy and Astrophysics</i> , 2022, 661, A107.	5.1	4
57	Twenty-four New Transit Timings of the Mini-Neptune GJ1214 B. <i>Research Notes of the AAS</i> , 2019, 3, 123.	0.7	3
58	Estimating photoevaporative mass loss of exoplanets with PLATYPOS. <i>Astronomische Nachrichten</i> , 2022, 343, .	1.2	3
59	TYC 8241 2652 1 and the case of the disappearing disk: No smoking gun yet. <i>Astronomy and Astrophysics</i> , 2017, 598, A82.	5.1	2
60	Identifying interesting planetary systems for future X-ray observations. <i>Astronomische Nachrichten</i> , 2022, 343, .	1.2	2
61	Non-thermal processes in coronae and beyond. <i>Astronomische Nachrichten</i> , 2013, 334, 101-104.	1.2	1
62	X-ray line coincidence photopumping in a solar flare. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3782-3786.	4.4	1
63	Unconscious gender bias in academia: From PhD students to professors. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
64	Validation of a temperate fourth planet in the K2-133 multiplanet system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1865-1873.	4.4	1
65	How stars and planets interact: A look through the high-energy window. <i>Astronomische Nachrichten</i> , 2019, 340, 329-333.	1.2	1
66	H α Variability of V1298 Tau c. <i>Research Notes of the AAS</i> , 2021, 5, 195.	0.7	1
67	Planets spinning up their host stars: a twist on the age-activity relationship. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 239-242.	0.0	0
68	Observed effects of star-planet interaction. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 382-387.	0.0	0
69	Tidal effects on stellar activity. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 308-314.	0.0	0
70	Observable Impacts of Exoplanets on Stellar Hosts – An X-Ray Perspective. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 290-297.	0.0	0
71	Localizing flares to understand stellar magnetic fields and space weather in exoplanetary systems. <i>Astronomische Nachrichten</i> , 2022, 343, .	1.2	0