

Katja Poppenhaeger

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,355
citations

257450

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2557
citing authors

#	ARTICLE	IF	CITATIONS
1	Exoplanet X-ray irradiation and evaporation rates with eROSITA. <i>Astronomy and Astrophysics</i> , 2022, 661, A23.	5.1	17
2	Coronal mass ejections and exoplanets: A numerical perspective. <i>Astronomische Nachrichten</i> , 2022, 343, .	1.2	6
3	Estimating photoevaporative mass loss of exoplanets with <sc>PLATYPOS</sc>. <i>Astronomische Nachrichten</i> , 2022, 343, .	1.2	3
4	Localizing flares to understand stellar magnetic fields and space weather in exo“systems. <i>Astronomische Nachrichten</i> , 2022, 343, .	1.2	0
5	Identifying interesting planetary systems for future X“ray observations. <i>Astronomische Nachrichten</i> , 2022, 343, .	1.2	2
6	Solar H“i>±</i> excess during Solar Cycle 24 from full-disk filtergrams of the Chromospheric Telescope. <i>Astronomy and Astrophysics</i> , 2022, 661, A107.	5.1	4
7	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
8	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
9	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
10	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
11	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
12	Flares in open clusters with K2. <i>Astronomy and Astrophysics</i> , 2021, 645, A42.	5.1	30
13	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
14	Giant white-light flares on fully convective stars occur at high latitudes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1723-1745.	4.4	19
15	H“± Variability of V1298 Tau c. <i>Research Notes of the AAS</i> , 2021, 5, 195.	0.7	1
16	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
17	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
18	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

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19	X-ray irradiation and evaporation of the four young planets around V1298 Tau. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4560-4572.	4.4	36
20	Tuning the Exospace Weather Radio for Stellar Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2020, 895, 47.	4.5	26
21	An Earth-like Stellar Wind Environment for Proxima Centauri c. <i>Astrophysical Journal Letters</i> , 2020, 902, L9.	8.3	14
22	Unconscious gender bias in academia: From PhD students to professors. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
23	NGTS-7Ab: an ultrashort-period brown dwarf transiting a tidally locked and active M dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5146-5164.	4.4	35
24	The potassium absorption on HD189733b and HD209458b. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 489, L37-L41.	3.3	24
25	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
26	How stars and planets interact: A look through the high-energy window. <i>Astronomische Nachrichten</i> , 2019, 340, 329-333.	1.2	1
27	NGTS-5b: a highly inflated planet offering insights into the sub-Jovian desert. <i>Astronomy and Astrophysics</i> , 2019, 625, A142.	5.1	12
28	Detection of a giant flare displaying quasi-periodic pulsations from a pre-main-sequence M star by the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5553-5566.	4.4	33
29	Twenty-four New Transit Timings of the Mini-Neptune GJ1214 B. <i>Research Notes of the AAS</i> , 2019, 3, 123.	0.7	3
30	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
31	The Next Generation Transit Survey (NGTS). <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4476-4493.	4.4	189
32	Transit visibility zones of the Solar system planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 345-354.	4.4	35
33	A Chandra/LETGS Survey of Main-sequence Stars. <i>Astrophysical Journal</i> , 2018, 862, 66.	4.5	39
34	Three small transiting planets around the M-dwarf host star LP 358-499. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 473, L131-L135.	3.3	27
35	Automatic vetting of planet candidates from ground-based surveys: machine learning with NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4225-4237.	4.4	23
36	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

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37	A low-mass eclipsing binary within the fully convective zone from the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1897-1907.	4.4	10
38	X-ray line coincidence photopumping in a solar flare. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3782-3786.	4.4	1
39	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
40	YSOVAR: Mid-infrared Variability among YSOs in the Star Formation Region Serpens South. Astronomical Journal, 2018, 155, 99.	4.7	16
41	Robustifying sum-product networks. International Journal of Approximate Reasoning, 2018, 101, 163-180.	3.3	8
42	Centroid vetting of transiting planet candidates from the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2017, 472, 295-307.	4.4	46
43	A test of the neutron star hypothesis for Fomalhaut b. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4018-4024.	4.4	29
44	TYC 8241 2652 1 and the case of the disappearing disk: No smoking gun yet. Astronomy and Astrophysics, 2017, 598, A82.	5.1	2
45	An improved age-activity relationship for cool stars older than a gigayear. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1012-1025.	4.4	38
46	MAGNETIC CYCLES IN A DYNAMO SIMULATION OF FULLY CONVECTIVE M-STAR PROXIMA CENTAURI. Astrophysical Journal Letters, 2016, 833, L28.	8.3	43
47	Approaching a realistic force balance in geodynamo simulations. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12065-12070.	7.1	69
48	Tidal effects on stellar activity. Proceedings of the International Astronomical Union, 2016, 12, 308-314.	0.0	0
49	Observable Impacts of Exoplanets on Stellar Hosts – An X-Ray Perspective. Proceedings of the International Astronomical Union, 2016, 12, 290-297.	0.0	0
50	YSOVAR: MID-INFRARED VARIABILITY IN NGC 1333. Astronomical Journal, 2015, 150, 175.	4.7	34
51	Observed effects of star-planet interaction. Proceedings of the International Astronomical Union, 2015, 11, 382-387.	0.0	0
52	YSOVAR: MID-INFRARED VARIABILITY AMONG YSOs IN THE STAR FORMATION REGION GGD12-15. Astronomical Journal, 2015, 150, 145.	4.7	18
53	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
54	EXPLAINING THE COEXISTENCE OF LARGE-SCALE AND SMALL-SCALE MAGNETIC FIELDS IN FULLY CONVECTIVE STARS. Astrophysical Journal Letters, 2015, 813, L31.	8.3	100

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55	YOUNG STELLAR OBJECT VARIABILITY (YSOVAR): LONG TIMESCALE VARIATIONS IN THE MID-INFRARED. <i>Astronomical Journal</i> , 2014, 148, 92.	4.7	75
56	YSOVAR: MID-INFRARED VARIABILITY IN THE STAR-FORMING REGION LYND 1688. <i>Astronomical Journal</i> , 2014, 148, 122.	4.7	37
57	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
58	X-RAY EMISSION FROM THE SUPER-EARTH HOST GJ 1214. <i>Astrophysical Journal Letters</i> , 2014, 790, L11.	8.3	15
59	MAGNETOSPHERIC STRUCTURE AND ATMOSPHERIC JOULE HEATING OF HABITABLE PLANETS ORBITING M-DWARF STARS. <i>Astrophysical Journal</i> , 2014, 790, 57.	4.5	124
60	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
61	TRANSIT OBSERVATIONS OF THE HOT JUPITER HD 189733b AT X-RAY WAVELENGTHS. <i>Astrophysical Journal</i> , 2013, 773, 62.	4.5	112
62	Non-thermal processes in coronae and beyond. <i>Astronomische Nachrichten</i> , 2013, 334, 101-104.	1.2	1
63	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
64	A magnetic cycle of <i>γ</i> Bootis? The coronal and chromospheric view. <i>Astronomische Nachrichten</i> , 2012, 333, 26-29.	1.2	36
65	The high-energy environment in the super-Earth system CoRoT-7. <i>Astronomy and Astrophysics</i> , 2012, 541, A26.	5.1	16
66	Multi-wavelength observations of Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2011, 534, A133.	5.1	66
67	A CORRELATION BETWEEN HOST STAR ACTIVITY AND PLANET MASS FOR CLOSE-IN EXTRASOLAR PLANETS?. <i>Astrophysical Journal</i> , 2011, 735, 59.	4.5	79
68	A search for star-planet interactions in the <i>γ</i> Andromedae system at X-ray and optical wavelengths. <i>Astronomy and Astrophysics</i> , 2011, 528, A58.	5.1	31
69	Quiescent and flaring X-ray emission from the nearby M/T dwarf binary SCR 1845-6357. <i>Astronomy and Astrophysics</i> , 2010, 513, A12.	5.1	20
70	Coronal properties of planet-bearing stars. <i>Astronomy and Astrophysics</i> , 2010, 515, A98.	5.1	98
71	Destination exoplanet: Habitability conditions influenced by stellar winds properties. <i>Astronomische Nachrichten</i> , 0, , .	1.2	4