

Heidi H Korhonen

List of Publications by Year in descending order

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133
papers

3,547
citations

126907

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135
all docs

135
docs citations

135
times ranked

3445
citing authors

#	ARTICLE	IF	CITATIONS
1	Planet Hunters IX. KIC8462852 â€“ where's the flux?. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3988-4004.	4.4	222
2	Multiple and changing cycles of active stars. Astronomy and Astrophysics, 2009, 501, 703-713.	5.1	144
3	THE ASTEROSEISMIC POTENTIAL OF <i>KEPLER</i> : FIRST RESULTS FOR SOLAR-TYPE STARS. Astrophysical Journal Letters, 2010, 713, L169-L175.	8.3	122
4	PATHWAY TO THE GALACTIC DISTRIBUTION OF PLANETS: COMBINED<i>SPITZER</i>AND GROUND-BASED MICROLENS PARALLAX MEASUREMENTS OF 21 SINGLE-LENS EVENTS. Astrophysical Journal, 2015, 804, 20.	4.5	104
5	Optical atmospheric extinction over Cerro Paranal. Astronomy and Astrophysics, 2011, 527, A91.	5.1	103
6	The unusual $\hat{1}^3$ -ray burst GRB 101225A from a helium star/neutron star merger at redshift 0.33. Nature, 2011, 480, 72-74.	27.8	100
7	SPITZER PARALLAX OF OGLE-2015-BLG-0966: A COLD NEPTUNE IN THE GALACTIC DISK. Astrophysical Journal, 2016, 819, 93.	4.5	95
8	GRB 120422A/SN 2012bz: Bridging the gap between low- and high-luminosity gamma-ray bursts. Astronomy and Astrophysics, 2014, 566, A102.	5.1	87
9	Investigating magnetic activity in very stable stellar magnetic fields. Astronomy and Astrophysics, 2016, 590, A11.	5.1	83
10	Campaign 9 of the<i>K2</i>Mission: Observational Parameters, Scientific Drivers, and Community Involvement for a Simultaneous Space- and Ground-based Microlensing Survey. Publications of the Astronomical Society of the Pacific, 2016, 128, 124401.	3.1	79
11	High-precision photometry by telescope defocussing â€“ VI. WASP-24, WASP-25 and WASP-26â€“.... Monthly Notices of the Royal Astronomical Society, 2014, 444, 776-789.	4.4	73
12	An Optical Time Delay Estimate for the Double Gravitational Lens System B1600+434. Astrophysical Journal, 2000, 544, 117-122.	4.5	66
13	High-precision photometry by telescope defocusing â€“ VII. The ultrashort period planet WASP-103â€“.... Monthly Notices of the Royal Astronomical Society, 2015, 447, 711-721.	4.4	66
14	No Sun-like dynamo on the active star $\hat{1}^{\eta}$ Andromedae from starspot asymmetry. Nature, 2016, 533, 217-220.	27.8	66
15	Orbital alignment and star-spot properties in the WASP-52 planetary system. Monthly Notices of the Royal Astronomical Society, 2017, 465, 843-857.	4.4	64
16	Stellar activity as noise in exoplanet detection â€“ II. Application to M dwarfs. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3053-3069.	4.4	61
17	The quest for stellar coronal mass ejections in late-type stars. Astronomy and Astrophysics, 2019, 623, A49.	5.1	60
18	The Time Delay of the Quadruple Quasar RX J0911.4+0551. Astrophysical Journal, 2002, 572, L11-L14.	4.5	57

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19	The Young Supernova Experiment: Survey Goals, Overview, and Operations. <i>Astrophysical Journal</i> , 2021, 908, 143.	4.5	52
20	Study of FK Comae Berenices. <i>Astronomy and Astrophysics</i> , 2002, 390, 179-185.	5.1	51
21	A search for flares and mass ejections on young late-type stars in the open cluster Blanco-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 898-910.	4.4	51
22	High-resolution Imaging of Transiting Extrasolar Planetary systems (HITEP). <i>Astronomy and Astrophysics</i> , 2016, 589, A58.	5.1	45
23	Magnetic fields of HgMn stars. <i>Astronomy and Astrophysics</i> , 2012, 547, A90.	5.1	43
24	The Jet and Circumburst Stellar Wind of GRB 980519. <i>Astrophysical Journal</i> , 2001, 546, 127-133.	4.5	43
25	A SUPER-JUPITER ORBITING A LATE-TYPE STAR: A REFINED ANALYSIS OF MICROLENSING EVENT OGLE-2012-BLG-0406. <i>Astrophysical Journal</i> , 2014, 782, 48.	4.5	42
26	High-precision photometry by telescope defocussing. VIII. WASP-22, WASP-41, WASP-42 and WASP-55. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 4205-4217.	4.4	42
27	Spectroscopic Limits on the Distance and Energy Release of GRB 990123. <i>Science</i> , 1999, 283, 2075-2077.	12.6	41
28	Do A-type stars flare?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3060-3076.	4.4	41
29	Physical properties and transmission spectrum of the WASP-80 planetary system from multi-colour photometry. <i>Astronomy and Astrophysics</i> , 2014, 562, A126.	5.1	40
30	Dynamical evolution of titanium, strontium, and yttrium spots on the surface of the HgMn star HD 11753. <i>Astronomy and Astrophysics</i> , 2010, 511, A71.	5.1	39
31	THE SPITZER MICROLENSING PROGRAM AS A PROBE FOR GLOBULAR CLUSTER PLANETS: ANALYSIS OF OGLE-2015-BLG-0448. <i>Astrophysical Journal</i> , 2016, 823, 63.	4.5	39
32	MASS MEASUREMENTS OF ISOLATED OBJECTS FROM SPACE-BASED MICROLENSING. <i>Astrophysical Journal</i> , 2016, 825, 60.	4.5	39
33	The First Post-Kepler Brightness Dips of KIC 8462852. <i>Astrophysical Journal Letters</i> , 2018, 853, L8.	8.3	38
34	Physical properties of the planetary systems WASP-45 and WASP-46 from simultaneous multiband photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 990-1002.	4.4	37
35	The Optical/IR Counterpart of the 1998 July 3 Gamma-Ray Burst and Its Evolution. <i>Astrophysical Journal</i> , 1999, 511, L85-L88.	4.5	33
36	Flip-flop phenomenon: observations and theory. <i>Astronomische Nachrichten</i> , 2005, 326, 278-282.	1.2	33

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37	Flip-flops of FK Comae Berenices. <i>Astronomy and Astrophysics</i> , 2013, 553, A40.	5.1	33
38	The first close-up of the "flip-flop" phenomenon in a single star. <i>Astronomy and Astrophysics</i> , 2001, 379, L30-L33.	5.1	32
39	The magnetic field and the evolution of element spots on the surface of the HgMn eclipsing binary AR Aur. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 408, L61-L65.	3.3	32
40	Larger and faster: revised properties and a shorter orbital period for the WASP-57 planetary system from a pro-am collaboration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3094-3107.	4.4	32
41	MOA-2016-BLG-227Lb: A Massive Planet Characterized by Combining Light-curve Analysis and Keck AO Imaging. <i>Astronomical Journal</i> , 2017, 154, 3.	4.7	31
42	Study of FK Comae Berenices. <i>Astronomy and Astrophysics</i> , 2007, 476, 881-891.	5.1	31
43	Transit timing variations in the WASP-4 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4230-4236.	4.4	28
44	Magnetic activity on V889 Herculis. <i>Astronomy and Astrophysics</i> , 2008, 488, 1047-1055.	5.1	27
45	Chemical surface inhomogeneities in late B-type stars with Hg and Mn peculiarity. <i>Astronomy and Astrophysics</i> , 2013, 553, A27.	5.1	27
46	Physical properties of the WASP-67 planetary system from multi-colour photometry. <i>Astronomy and Astrophysics</i> , 2014, 568, A127.	5.1	27
47	Photospheric and chromospheric activity in V405 Andromedae. <i>Astronomy and Astrophysics</i> , 2009, 504, 1021-1029.	5.1	27
48	The variability of magnetic activity in solar-type stars. <i>Astronomische Nachrichten</i> , 2017, 338, 753-772.	1.2	26
49	Contemporaneous Imaging Comparisons of the Spotted Giant ϵ Geminorum Using Interferometric, Spectroscopic, and Photometric Data. <i>Astrophysical Journal</i> , 2017, 849, 120.	4.5	26
50	Study of FK Comae Berenices. <i>Astronomy and Astrophysics</i> , 2006, 452, 303-309.	5.1	25
51	Faint-source-star planetary microlensing: the discovery of the cold gas-giant planet OGLE-2014-BLG-0676Lb. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2710-2717.	4.4	24
52	A detailed census of variable stars in the globular cluster NGC 6333 (M9) from CCD differential photometry.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1220-1238.	4.4	23
53	OGLE-2015-BLG-0479LA,B: BINARY GRAVITATIONAL MICROLENS CHARACTERIZED BY SIMULTANEOUS GROUND-BASED AND SPACE-BASED OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 828, 53.	4.5	23
54	A census of coronal mass ejections on solar-like stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4570-4589.	4.4	23

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55	EK Draconis. <i>Astronomy and Astrophysics</i> , 2007, 472, 887-895.	5.1	22
56	First measurement of the magnetic field on FK Com and its relation to the contemporaneous star-spot locations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 282-289.	4.4	21
57	A census of variability in globular cluster Mâ€™68 (NGC 4590). <i>Astronomy and Astrophysics</i> , 2015, 578, A128.	5.1	21
58	DETECTING THE COMPANIONS AND ELLIPSOIDAL VARIATIONS OF RS CVn PRIMARIES. I. GEMINORUM. <i>Astrophysical Journal</i> , 2015, 807, 23.	4.5	21
59	THE FIRST SIMULTANEOUS MICROLENSING OBSERVATIONS BY TWO SPACE TELESCOPES: SPITZER AND SWIFT REVEAL A BROWN DWARF IN EVENT OGLE-2015-BLG-1319. <i>Astrophysical Journal</i> , 2016, 831, 183.	4.5	21
60	IDENTIFYING THE LOCATION IN THE HOST GALAXY OF THE SHORT GRB 111117A WITH THE CHANDRA SUBARCSECOND POSITION. <i>Astrophysical Journal</i> , 2013, 766, 41.	4.5	20
61	Surface magnetism of cool stars. <i>Astronomische Nachrichten</i> , 2017, 338, 428-441.	1.2	20
62	Surface imaging of stellar non-radial pulsations. <i>Astronomy and Astrophysics</i> , 2003, 406, 273-280.	5.1	19
63	Measuring differential rotation of the K-giant κ Andromedae. <i>Astronomy and Astrophysics</i> , 2012, 539, A50.	5.1	19
64	SPITZER OBSERVATIONS OF OGLE-2015-BLG-1212 REVEAL A NEW PATH TOWARD BREAKING STRONG MICROLENS DEGENERACIES. <i>Astrophysical Journal</i> , 2016, 820, 79.	4.5	19
65	High-resolution Imaging of Transiting Extrasolar Planetary systems (HITEP). <i>Astronomy and Astrophysics</i> , 2018, 610, A20.	5.1	19
66	Photometric observations from theoretical flip-flop models. <i>Astronomy and Astrophysics</i> , 2005, 440, 1161-1165.	5.1	19
67	Stellar activity as noise in exoplanet detection – I. Methods and application to solar-like stars and activity cycles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 3038-3052.	4.4	18
68	Surface imaging of stellar non-radial pulsations. <i>Astronomy and Astrophysics</i> , 2003, 406, 281-285.	5.1	17
69	Estimating the parameters of globular cluster Mâ€™30 (NGC 7099) from time-series photometry. <i>Astronomy and Astrophysics</i> , 2013, 555, A36.	5.1	17
70	Searching for variable stars in the cores of five metal-rich globular clusters using EMCCD observations. <i>Astronomy and Astrophysics</i> , 2015, 573, A103.	5.1	17
71	EMCCD photometry reveals two new variable stars in the crowded central region of the globular cluster NGC 6981. <i>Astronomy and Astrophysics</i> , 2013, 553, A111.	5.1	16
72	Physical properties and transmission spectrum of the WASP-74 planetary system from multiband photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5168-5179.	4.4	16

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73	Investigating the variation of latitudinal stellar spot rotation and its relation to the real stellar surface rotation. <i>Astronomy and Astrophysics</i> , 2011, 532, A106.	5.1	15
74	Doppler imaging of stellar surface structure. <i>Astronomy and Astrophysics</i> , 2013, 551, A2.	5.1	14
75	Photometric and spectroscopic observations of three rapidly rotating late-type stars: EY Dra, V374 Peg, and GSC 02038+00293. <i>Astronomische Nachrichten</i> , 2010, 331, 772-780.	1.2	13
76	DETECTING THE COMPANIONS AND ELLIPSOIDAL VARIATIONS OF RS CVN PRIMARIES. II. DRACONIS, A CANDIDATE FOR RECENT LOW-MASS COMPANION INGESTION. <i>Astrophysical Journal</i> , 2015, 809, 159.	4.5	13
77	MAGNETIC STRUCTURE OF RAPIDLY ROTATING FK COMAE-TYPE CORONAE. <i>Astrophysical Journal</i> , 2010, 719, 299-306.	4.5	12
78	MINDSTEp differential photometry of the gravitationally lensed quasars WFI2033-4723 and HE0047-1756: microlensing and a new time delay. <i>Astronomy and Astrophysics</i> , 2017, 597, A49.	5.1	12
79	Study of FK Comae Berenices. <i>Astronomy and Astrophysics</i> , 2001, 374, 1049-1055.	5.1	12
80	RED NOISE VERSUS PLANETARY INTERPRETATIONS IN THE MICROLENSING EVENT OGLE-2013-BLG-446. <i>Astrophysical Journal</i> , 2015, 812, 136.	4.5	11
81	X-Ray Spectroscopic Signatures of the Extended Corona of FK Comae. <i>Astrophysical Journal</i> , 2008, 679, 1522-1530.	4.5	10
82	Rotation periods and astrometric motions of the Luhman 16AB brown dwarfs by high-resolution lucky-imaging monitoring. <i>Astronomy and Astrophysics</i> , 2015, 584, A104.	5.1	10
83	Detection of weak magnetic fields in two HgMn stars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 495, L97-L101.	3.3	10
84	EXPRES. III. Revealing the Stellar Activity Radial Velocity Signature of μ Eridani with Photometry and Interferometry. <i>Astronomical Journal</i> , 2022, 163, 19.	4.7	10
85	The Remarkable Far-Ultraviolet Spectrum of FK Comae Berenices: King of Spin. <i>Astrophysical Journal</i> , 2006, 644, 464-474.	4.5	9
86	Ellipsoidal primary of the RS CVn binary ϵ Andromedae. <i>Astronomy and Astrophysics</i> , 2010, 515, A14.	5.1	9
87	Spectroscopic variability and magnetic fields of HgMn stars. <i>Astronomische Nachrichten</i> , 2011, 332, 998-1007.	1.2	9
88	Spots on FK Com: active longitudes and flip-flops. <i>Astronomische Nachrichten</i> , 2004, 325, 402-407.	1.2	8
89	FK COMAE BERENICES, KING OF SPIN: THE COCOA-PUFS PROJECT* â€. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 5.	7.7	8
90	Magnetic field geometry and chemical abundance distribution of the He-strong star CPD 57°3509. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1543-1552.	4.4	8

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91	The nature of the photometric variability of HgMn stars: a test of simulated light curves of δ Phe against the TESS data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1834-1840.	4.4	8
92	OGLE-2013-BLG-0911Lb: A Secondary on the Brown-dwarf Planet Boundary around an M Dwarf. <i>Astronomical Journal</i> , 2020, 159, 76.	4.7	8
93	Study of FK Comae Berenices. <i>Astronomy and Astrophysics</i> , 2015, 580, A64.	5.1	8
94	Abundance analysis, spectral variability, and search for the presence of a magnetic field in the typical PGa star HD 19400. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3604-3615.	4.4	7
95	Doppler images of DI Piscium during 2004–2006. <i>Astronomy and Astrophysics</i> , 2014, 562, A139.	5.1	7
96	Weak Magnetic Fields in Two Herbig Ae Systems: The SB2 AK Sco and the Presumed Binary HD 95881. <i>Astrophysical Journal Letters</i> , 2018, 858, L18.	8.3	7
97	OGLE-2014-BLG-1186: gravitational microlensing providing evidence for a planet orbiting the foreground star or for a close binary source?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5608-5632.	4.4	7
98	SERENDIPITOUS DISCOVERY OF A DWARF NOVA IN THE KEPLER FIELD NEAR THE G DWARF KIC 5438845. <i>Astronomical Journal</i> , 2015, 149, 67.	4.7	6
99	Exploring the crowded central region of ten Galactic globular clusters using EMCCDs. <i>Astronomy and Astrophysics</i> , 2016, 588, A128.	5.1	6
100	Hunting for Stellar Coronal Mass Ejections. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 198-203.	0.0	6
101	Orbital Elements and Stellar Parameters of the Active Binary UX Arietis. <i>Astrophysical Journal</i> , 2017, 844, 115.	4.5	6
102	HARPS spectropolarimetry of three sharp-lined Herbig Ae stars: New insights. <i>Astronomy and Astrophysics</i> , 2015, 584, A15.	5.1	4
103	Observing the changing surface structures of the active K giant δ Geminorum with SONG. <i>Astronomy and Astrophysics</i> , 2021, 646, A6.	5.1	4
104	Many new variable stars discovered in the core of the globular cluster NGC 6715 (M 54) with EMCCD observations. <i>Astronomy and Astrophysics</i> , 2016, 592, A120.	5.1	3
105	An analysis of binary microlensing event OGLE-2015-BLG-0060. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4603-4614.	4.4	3
106	OGLE-2015-BLG-1649Lb: A Gas Giant Planet around a Low-mass Dwarf. <i>Astronomical Journal</i> , 2019, 158, 212.	4.7	3
107	A search for transit timing variations in the HATS-18 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3212-3223.	4.4	3
108	Deducing the orbit of the radio galaxy 3C 129. <i>International Astronomical Union Colloquium</i> , 2000, 174, 408-411.	0.1	2

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109	Active Longitudes and Flip-Flops in Binary Stars. Proceedings of the International Astronomical Union, 2006, 2, 453-455.	0.0	2
110	Starspot variability and evolution from modeling Kepler photometry of active late-type stars. Proceedings of the International Astronomical Union, 2010, 6, 78-82.	0.0	2
111	Chemical spots on the surface of the strongly magnetic Herbig Ae star HD 101412. Astronomische Nachrichten, 2016, 337, 329-338.	1.2	2
112	Photospheric and chromospheric activity on EY Dra. Astronomische Nachrichten, 2007, 328, 897-903.	1.2	1
113	Surface magnetism of cool giant and supergiant stars. Proceedings of the International Astronomical Union, 2013, 9, 350-358.	0.0	1
114	EMCCD photometry reveals two new variable stars in the crowded central region of the globular cluster NGC 6981 (Corrigendum). Astronomy and Astrophysics, 2013, 558, C1.	5.1	1
115	Flares in A-type stars?. Proceedings of the International Astronomical Union, 2015, 11, 150-152.	0.0	1
116	Properties of stellar activity cycles. Proceedings of the International Astronomical Union, 2015, 11, 354-359.	0.0	1
117	Estimating the parameters of globular cluster M 30 (NGC 7099) from time-series photometry (Corrigendum). Astronomy and Astrophysics, 2016, 588, C2.	5.1	1
118	The end-to-end simulator for the E-ELT HIRES high resolution spectrograph. Proceedings of SPIE, 2017, , .	0.8	1
119	ELT -HIRES, the high resolution spectrograph for the ELT; the end-to-end simulator: design approach and results. , 2018, , .		1
120	Mapping the Non-Radial Pulsations. International Astronomical Union Colloquium, 2000, 175, 268-271.	0.1	0
121	Radial differential rotation vs. surface differential rotation: investigation based on dynamo models. Proceedings of the International Astronomical Union, 2008, 4, 425-426.	0.0	0
122	Correlating the starspot distributions and the photometric activity cycles on two young solar analogues. , 2009, , .		0
123	Chemical spots and their dynamical evolution on HgMn stars. Proceedings of the International Astronomical Union, 2010, 6, 116-120.	0.0	0
124	Investigating stellar surface rotation using observations of starspots. Proceedings of the International Astronomical Union, 2011, 7, 268-278.	0.0	0
125	Activity-Induced Radial Velocity Variation of M Dwarf Stars. Proceedings of the International Astronomical Union, 2012, 8, 197-200.	0.0	0
126	Starspot-Induced Radial Velocity Jitter During a Stellar Cycle. Proceedings of the International Astronomical Union, 2012, 8, 382-384.	0.0	0

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127	3-D reconstructions of active stars. Proceedings of the International Astronomical Union, 2012, 10, 104-105.	0.0	0
128	The new age of spotted star research using <i>Kepler</i> and CHARA. Proceedings of the International Astronomical Union, 2013, 9, 212-215.	0.0	0
129	Phase A: calibration concepts for HIRES. Proceedings of SPIE, 2017, , .	0.8	0
130	Observed versus modelled stellar CME rates. Proceedings of the International Astronomical Union, 2018, 14, 246-247.	0.0	0
131	Simulating starspot activity jitter for spectral types Fâ€“M: Realistic estimates for a representative sample of known exoplanet hosts. Astronomische Nachrichten, 0, , .	1.2	0
132	Young solar type active stars: the TYCâ2627-638-1 system. Astronomy and Astrophysics, 2010, 515, A81.	5.1	0
133	Potential Detection of Secular Evolution of Chemical Abundances on the Surface of the HgMn Primary in the Triple System Î‡ Lup. Research Notes of the AAS, 2020, 4, 11.	0.7	0