

Konstanze Zwintz

List of Publications by Year in descending order

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73
papers

2,907
citations

331670

21
h-index

175258

52
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73
all docs

73
docs citations

73
times ranked

2955
citing authors

#	ARTICLE	IF	CITATIONS
1	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , 2014, 38, 249-330.	3.7	912
2	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
3	CoRoT Measures Solar-Like Oscillations and Granulation in Stars Hotter Than the Sun. <i>Science</i> , 2008, 322, 558-560.	12.6	199
4	BRITE-Constellation: Nanosatellites for Precision Photometry of Bright Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2014, 126, 573-585.	3.1	145
5	GRAVITY-MODE PERIOD SPACINGS AS A SEISMIC DIAGNOSTIC FOR A SAMPLE OF δ DORADUS STARS FROM <i>KEPLER</i> SPACE PHOTOMETRY AND HIGH-RESOLUTION GROUND-BASED SPECTROSCOPY. <i>Astrophysical Journal</i> , Supplement Series, 2015, 218, 27.	7.7	115
6	Detecting non-uniform period spacings in the <i>Kepler</i> photometry of δ Doradus stars: methodology and case studies. <i>Astronomy and Astrophysics</i> , 2015, 574, A17.	5.1	66
7	The <i>BRITE</i> Constellation Nanosatellite Mission: Testing, Commissioning, and Operations. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 125001.	3.1	64
8	Scientific problems addressed by the Spektr-UV space project (world space Observatory—Ultraviolet). <i>Astronomy Reports</i> , 2016, 60, 1-42.	0.9	63
9	Direct evidence for shock-powered optical emission in a nova. <i>Nature Astronomy</i> , 2020, 4, 776-780.	10.1	58
10	BRITE-Constellation high-precision time-dependent photometry of the early O-type supergiant η Puppis unveils the photospheric drivers of its small- and large-scale wind structures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5532-5569.	4.4	51
11	Echography of young stars reveals their evolution. <i>Science</i> , 2014, 345, 550-553.	12.6	48
12	Massive pulsating stars observed by BRITE-Constellation. <i>Astronomy and Astrophysics</i> , 2016, 588, A55.	5.1	42
13	Comparing the Observational Instability Regions for Pulsating Pre-Main-Sequence and Classical γ Scuti Stars. <i>Astrophysical Journal</i> , 2008, 673, 1088-1092.	4.5	41
14	Transiting exocomets detected in broadband light by TESS in the ρ Pictoris system. <i>Astronomy and Astrophysics</i> , 2019, 625, L13.	5.1	38
15	Weighing stars from birth to death: mass determination methods across the HRD. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1.	25.5	38
16	First Detection of Hydroxyl Radical Emission from an Exoplanet Atmosphere: High-dispersion Characterization of WASP-33b Using Subaru/IRD. <i>Astrophysical Journal Letters</i> , 2021, 910, L9.	8.3	36
17	The accuracy of stellar atmospheric parameter determinations: a case study with HD ϵ 32115 and HD ϵ 37594. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 495-507.	4.4	28
18	A multisite photometric campaign on the pre-main-sequence γ Scuti pulsator IP Persei. <i>Astronomy and Astrophysics</i> , 2006, 449, 335-343.	5.1	25

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19	Tidally perturbed pulsations in the pre-main sequence γ Scuti binary RS Cha. <i>Astronomy and Astrophysics</i> , 2021, 645, A119.	5.1	23
20	γ MOST observations of the young open cluster NGC 2264. <i>Astronomy and Astrophysics</i> , 2009, 502, 239-252.	5.1	23
21	γ Doradus pulsation in two pre-main sequence stars discovered by CoRoT. <i>Astronomy and Astrophysics</i> , 2013, 550, A121.	5.1	22
22	Combining BRITe and ground-based photometry for the δ Cephei star γ Eridani: impact on photometric pulsation mode identification and detection of several g modes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2249-2258.	4.4	22
23	Revisiting the pulsational characteristics of the exoplanet host star γ Pictoris. <i>Astronomy and Astrophysics</i> , 2019, 627, A28.	5.1	22
24	Seismic modelling of early B-type pulsators observed by BRITe "I. γ Ophiuchi. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3544-3557.	4.4	22
25	Two spotted and magnetic early B-type stars in the young open cluster NGC 2264 discovered by MOST and ESPaDOnS. <i>Astronomy and Astrophysics</i> , 2014, 562, A143.	5.1	20
26	Pulsating pre-main sequence stars in IC 4996 and NGC 6530. <i>Astronomy and Astrophysics</i> , 2006, 457, 237-248.	5.1	20
27	Detection of solar-like oscillations in the bright red giant stars γ Piscium and γ Tauri from a 190-day high-precision spectroscopic multi-site campaign. <i>Astronomy and Astrophysics</i> , 2015, 573, A138.	5.1	19
28	HD 41641: A classical γ Sct-type pulsator with chemical signatures of an Ap star. <i>Astronomy and Astrophysics</i> , 2016, 588, A71.	5.1	18
29	Seismology of Pre-Main-Sequence Stars in NGC 6530. <i>Astrophysical Journal</i> , 2007, 671, 581-591.	4.5	17
30	ASTEROSEISMIC ANALYSIS OF THE PRE-MAIN-SEQUENCE STARS IN NGC 2264. <i>Astrophysical Journal</i> , 2009, 704, 1710-1720.	4.5	17
31	PULSATONAL ANALYSIS OF V 588 MON AND V 589 MON OBSERVED WITH THE γ MOST AND γ CoRoT SATELLITES. <i>Astrophysical Journal</i> , 2011, 729, 20.	4.5	17
32	New slowly pulsating B stars in the field of the young open cluster NGC 2244 discovered by the MOST photometric satellite.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 291-298.	4.4	17
33	Search for pulsating pre-main-sequence stars in NGC 6383. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 357, 345-353.	4.4	16
34	Stellar modelling of Spica, a high-mass spectroscopic binary with a δ Cep variable primary component. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1964-1976.	4.4	16
35	Pulsation of the K2.5 giant star GSC 09137-03505?. <i>Astronomy and Astrophysics</i> , 2005, 433, 267-273.	5.1	16
36	Regular frequency patterns in the classical γ Scuti star HD 144277 observed by the MOST satellite. <i>Astronomy and Astrophysics</i> , 2011, 533, A133.	5.1	15

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37	A comprehensive study of young B stars in NGC 2264. <i>Astronomy and Astrophysics</i> , 2017, 601, A101.	5.1	15
38	A BRITE view on the massive O-type supergiant V973 Scorpii: hints towards internal gravity waves or sub-surface convection zones. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 972-986.	4.4	15
39	<i>MOST</i> photometry of the enigmatic PMS pulsator HD 142666. <i>Astronomy and Astrophysics</i> , 2009, 494, 1031-1040.	5.1	15
40	Photometric variability of the Herbig Ae star HD 37806. <i>Astronomy and Astrophysics</i> , 2010, 522, A113.	5.1	14
41	The chaotic wind of WR 40 as probed by BRITE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5921-5930.	4.4	14
42	Regular frequency patterns in the young <i>Scuti</i> star HD 261711 observed by the CoRoT and MOST satellites. <i>Astronomy and Astrophysics</i> , 2013, 552, A68.	5.1	14
43	Pulsating pre-Main sequence stars in young open clusters. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 353-358.	0.0	13
44	MOST observations of the Herbig Ae <i>Scuti</i> star HD 34282. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 2596-2604.	4.4	13
45	Short-term variability and mass loss in Be stars. <i>Astronomy and Astrophysics</i> , 2020, 635, A140.	5.1	13
46	Nonradial Oscillations on a Pre-Main Sequence Star. <i>Astrophysical Journal</i> , 2007, 655, 342-344.	4.5	12
47	Constraining the near-core rotation of the <i>Doradus</i> star 43 Cygni using BRITE-Constellation data. <i>Astronomy and Astrophysics</i> , 2017, 608, A103.	5.1	12
48	Project "a" study for a manned Mars mission in 2031. <i>Acta Astronautica</i> , 2006, 58, 88-104.	3.2	11
49	BRITE-Constellation reveals evidence for pulsations in the enigmatic binary <i>Carinae</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 5417-5423.	4.4	11
50	The <i>Ap</i> star <i>Circinus</i> as seen by BRITE-Constellation. <i>Astronomy and Astrophysics</i> , 2016, 588, A54.	5.1	11
51	<i>2</i> <i>Cas</i> : The first <i>Scuti</i> star with a dynamo magnetic field. <i>Astronomy and Astrophysics</i> , 2020, 643, A110.	5.1	11
52	Pulsating pre-MS stars in the young open cluster NGC 2264: V588 Monocerotis and V589 Monocerotis. <i>Astronomy and Astrophysics</i> , 2008, 488, 279-286.	5.1	11
53	Space Photometry with Brite-Constellation. <i>Universe</i> , 2021, 7, 199.	2.5	8
54	Investigating star formation in the young open cluster NGC 6383. <i>Astronomy and Astrophysics</i> , 2007, 462, 157-162.	5.1	7

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55	A search for transiting planets in the α Pictoris system. <i>Astronomy and Astrophysics</i> , 2018, 615, A145.	5.1	7
56	Photometry of β Lyrae in 2018 by the BRITE Satellites. <i>Astronomical Journal</i> , 2019, 158, 148.	4.7	7
57	A Study of the Stochastic Photometric Variability in the Winds of Galactic Wolf-Rayet Stars. <i>Astrophysical Journal</i> , 2022, 925, 79.	4.5	7
58	A probable pre-main sequence chemically peculiar star in the open cluster Stock 16. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3761-3768.	4.4	6
59	Refining the asteroseismic model for the young γ Scuti star HD 144277 using HARPS spectroscopy. <i>Astronomy and Astrophysics</i> , 2014, 567, A4.	5.1	6
60	BRITE photometry of the massive post-RLOF system HD149 404. <i>Astronomy and Astrophysics</i> , 2019, 621, A15.	5.1	6
61	Discovery of γ Scuti Pulsations in the Young Hybrid Debris Disk Star HD 156623. <i>Astrophysical Journal</i> , 2019, 870, 36.	4.5	6
62	Light-curve Instabilities of β Lyrae Observed by the BRITE Satellites. <i>Astronomical Journal</i> , 2018, 156, 12.	4.7	5
63	5 yr of BRITE-Constellation photometry of the luminous blue variable P Cygni: properties of the stochastic low-frequency variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4246-4255.	4.4	5
64	Bright Southern Variable Stars in the bRing Survey. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 15.	7.7	3
65	The potential of space observations for pulsating pre-main sequence stars. <i>EPJ Web of Conferences</i> , 2017, 160, 03002.	0.3	3
66	The Power of Asteroseismology for Early Stellar Evolution. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	2.8	2
67	The Pre-main Sequence: Challenges and Prospects for Asteroseismology. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	2.8	2
68	Variability Survey with the HST. <i>International Astronomical Union Colloquium</i> , 2000, 176, 38-40.	0.1	1
69	CoRoT observations of the young open cluster Dolidze 25. <i>Astrophysics and Space Science</i> , 2010, 328, 119-122.	1.4	1
70	Tracing early stellar evolution with asteroseismology: pre-main sequence stars in NGC 2264. <i>EPJ Web of Conferences</i> , 2015, 101, 01010.	0.3	1
71	Asteroseismology of pre-main sequence stars. <i>Communications in Asteroseismology</i> , 0, 159, 59-60.	0.0	1
72	The position of confirmed pre-main sequence pulsators in the H-R diagram and an overview of their properties. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 149-152.	0.0	0

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73	Pulsation in pre-main sequence stars. Proceedings of the International Astronomical Union, 2015, 11, 552-559.	0.0	0