

Ortwin Gerhard

List of Publications by Year in descending order

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56
papers

4,228
citations

196777

29
h-index

274796

44
g-index

56
all docs

56
docs citations

56
times ranked

3942
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas Dynamics in the Galaxy: Total Mass Distribution and the Bar Pattern Speed. <i>Astrophysical Journal</i> , 2022, 925, 71.	1.6	20
2	The pattern speed of the Milky Way bar/bulge from VIRAC and Gaia. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2171-2188.	1.6	17
3	Self-consistent modelling of the Milky Way's nuclear stellar disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1857-1884.	1.6	26
4	Unravelling stellar populations in the Andromeda Galaxy. <i>Astronomy and Astrophysics</i> , 2021, 647, A131.	2.1	6
5	Identification of an $[\alpha/\text{Fe}]$ -Enhanced Thick Disk Component in an Edge-on Milky Way Analog. <i>Astrophysical Journal Letters</i> , 2021, 913, L11.	3.0	11
6	Deprojection of external barred galaxies from photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 6209-6222.	1.6	3
7	Three mechanisms for bar thickening. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3175-3191.	1.6	33
8	Bar resonances and low angular momentum moving groups in the Galaxy revealed by their stellar ages. <i>Astronomy and Astrophysics</i> , 2020, 643, L3.	2.1	16
9	The Sixth Data Release of the Radial Velocity Experiment (Rave). II. Stellar Atmospheric Parameters, Chemical Abundances, and Distances. <i>Astronomical Journal</i> , 2020, 160, 83.	1.9	96
10	The Sixth Data Release of the Radial Velocity Experiment (RAVE). I. Survey Description, Spectra, and Radial Velocities. <i>Astronomical Journal</i> , 2020, 160, 82.	1.9	85
11	The Milky Way bar/bulge in proper motions: a 3D view from VIRAC and Gaia. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3519-3538.	1.6	61
12	The gravitational force field of the Galaxy measured from the kinematics of RR Lyrae in Gaia. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3296-3316.	1.6	63
13	New VIRAC proper motion maps show signature of galactic boxy/peanut bulge. <i>Proceedings of the International Astronomical Union</i> , 2019, 14, 29-30.	0.0	0
14	Dynamics of the Milky Way Bar/Bulge. <i>Proceedings of the International Astronomical Union</i> , 2019, 14, 26-28.	0.0	0
15	Sculpting Andromeda – made-to-measure models for M31's bar and composite bulge: dynamics, stellar and dark matter mass. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3210-3243.	1.6	28
16	The Hercules stream as seen by APOGEE-2 South. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 95-101.	1.6	24
17	Chemodynamical History of the Galactic Bulge. <i>Annual Review of Astronomy and Astrophysics</i> , 2018, 56, 223-276.	8.1	152
18	THE RADIAL VELOCITY EXPERIMENT (RAVE): FIFTH DATA RELEASE. <i>Astronomical Journal</i> , 2017, 153, 75.	1.9	380

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19	Revisiting the Tale of Hercules: How Stars Orbiting the Lagrange Points Visit the Sun. <i>Astrophysical Journal Letters</i> , 2017, 840, L2.	3.0	85
20	Dynamical modelling of the galactic bulge and bar: the Milky Way's pattern speed, stellar and dark matter mass distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 1621-1644.	1.6	221
21	The Initial Mass Function of the Inner Galaxy Measured from OGLE-III Microlensing Timescales. <i>Astrophysical Journal Letters</i> , 2017, 843, L5.	3.0	32
22	The stellar halo in the inner Milky Way: predicted shape and kinematics. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 464, L80-L84.	1.2	26
23	Chemodynamical modelling of the galactic bulge and bar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1233-1252.	1.6	45
24	Perspectives on Galactic Structure. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 147-147.	0.0	0
25	The IMF in the Galactic Disk and Bulge are Indistinguishable. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 90-93.	0.0	0
26	The barred inner Milky Way: dynamical models from surveys. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 73-81.	0.0	0
27	MOA-II Galactic microlensing constraints: the inner Milky Way has a low dark matter fraction and a near maximal disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 557-570.	1.6	66
28	The Galaxy in Context: Structural, Kinematic, and Integrated Properties. <i>Annual Review of Astronomy and Astrophysics</i> , 2016, 54, 529-596.	8.1	1,069
29	The halo of M49 and its environment as traced by planetary nebulae. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 293-297.	0.0	0
30	GAS DYNAMICS IN THE MILKY WAY: A LOW PATTERN SPEED MODEL. <i>Astrophysical Journal</i> , 2016, 824, 13.	1.6	58
31	The structure of the Milky Way's bar outside the bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4050-4069.	1.6	242
32	Peanuts, brezels and bananas: food for thought on the orbital structure of the Galactic bulge. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 450, L66-L70.	1.2	62
33	The outer regions of the giant Virgo galaxy M87 Kinematic separation of stellar halo and intracluster light. <i>Astronomy and Astrophysics</i> , 2015, 579, A135.	2.1	53
34	The Outer Halos of Early-Type Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 31-35.	0.0	0
35	Elliptical galaxies with rapidly decreasing velocity dispersion profiles: nmagic models and dark halo parameter estimates for NGC 4494. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 3570-3588.	1.6	49
36	Mapping the three-dimensional density of the Galactic bulge with VVV red clump stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1874-1887.	1.6	281

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37	A secularly evolved model for the Milky Way bar and bulge. Proceedings of the International Astronomical Union, 2012, 10, 351-351.	0.0	1
38	Dark matter in massive galaxies. Proceedings of the International Astronomical Union, 2012, 8, 211-220.	0.0	2
39	THE APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT: FIRST DETECTION OF HIGH-VELOCITY MILKY WAY BAR STARS. Astrophysical Journal Letters, 2012, 755, L25.	3.0	56
40	Regularizing made-to-measure particle models of galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1571-1585.	1.6	26
41	UNIFYING A BOXY BULGE AND PLANAR LONG BAR IN THE MILKY WAY. Astrophysical Journal Letters, 2011, 734, L20.	3.0	100
42	Using nmagic to probe the dark matter halo and orbital structure of the X-ray bright, massive elliptical galaxy, NGC 4649. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1244-1258.	1.6	44
43	Distinct core and halo stellar populations and the formation history of the bright Coma cluster early-type galaxy NGC 4889. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 407, L26-L30.	1.2	75
44	The Outer Halos of Elliptical Galaxies. , 2010, , 339-346.		1
45	JD2 - Diffuse Light in Galaxy Clusters. Proceedings of the International Astronomical Union, 2009, 5, 97-110.	0.0	8
46	Made-to-Measure N-body Modeling of the Milky Way Galaxy. Proceedings of the International Astronomical Union, 2009, 5, 198-199.	0.0	0
47	Dark Matter and Elliptical Galaxy Dynamics. Proceedings of the International Astronomical Union, 2009, 5, 65-65.	0.0	0
48	Dark matter content and internal dynamics of NGC 4697: nmagic particle models from slit data and planetary nebula velocities. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1729-1748.	1.6	87
49	nmagic: a fast parallel implementation of a \tilde{N}^2 -made-to-measure algorithm for modelling observational data. Monthly Notices of the Royal Astronomical Society, 2007, 376, 71-88.	1.6	113
50	Proper motion dispersions of red clump giants in the galactic bulge: observations and model comparisons. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1165-1176.	1.6	43
51	Planetary Nebulae Surveys Beyond the Local Group. Proceedings of the International Astronomical Union, 2006, 2, 25.	0.0	0
52	Self-gravitating warped disks around nuclear black holes. Proceedings of the International Astronomical Union, 2006, 2, 467-468.	0.0	0
53	Milky Way Gas Dynamics. Celestial Mechanics and Dynamical Astronomy, 2006, 94, 369-379.	0.5	14
54	Large-Scale Model of the Milky Way: Stellar Kinematics and the Microlensing Event Timescale Distribution in the Galactic Bulge. Astrophysical Journal, 2004, 601, L155-L158.	1.6	65

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55	Intracluster Stellar Population Properties from N-body Cosmological Simulations. I. Constraints at z=0. <i>Astrophysical Journal</i> , 2003, 594, 172-185.	1.6	77
56	Spiral arms, bar shape and bulge microlensing in the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 330, 591-608.	1.6	206