

Thomas R Ayres

List of Publications by Year in descending order

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64
papers

1,644
citations

304743

22
h-index

289244

40
g-index

64
all docs

64
docs citations

64
times ranked

1291
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Same Wavelength as the Space Telescope Imaging Spectrograph. <i>Astronomical Journal</i> , 2022, 163, 78.	4.7	2
2	Intrinsic Ly \pm Profiles of High-velocity G, K, and M Dwarfs. <i>Astrophysical Journal</i> , 2022, 926, 129.	4.5	16
3	The Wind Temperature and Mass-loss Rate of Arcturus (K1.5 III). <i>Astrophysical Journal</i> , 2022, 932, 57.	4.5	1
4	The Origin of Weakened Magnetic Braking in Old Solar Analogs. <i>Astrophysical Journal Letters</i> , 2022, 933, L17.	8.3	21
5	HST STIS Observations of Υ Aurigae A's Irradiated Atmosphere. <i>Astronomical Journal</i> , 2022, 164, 16.	4.7	0
6	A Multiwavelength Look at the GJ 9827 System: No Evidence of Extended Atmospheres in GJ 9827b and d from HST and CARMENES Data. <i>Astronomical Journal</i> , 2021, 161, 136.	4.7	17
7	In the Trenches of the Solar–Stellar Connection. II. Extreme Ultraviolet Flux–Flux Correlations across Solar Cycle 24. <i>Astrophysical Journal</i> , 2021, 908, 205.	4.5	7
8	In the Trenches of the Solar–Stellar Connection. III. The HST/COS Ecliptic-poles Stellar Survey (EclipSS). <i>Astrophysical Journal</i> , 2021, 910, 71.	4.5	8
9	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). <i>Solar Physics</i> , 2021, 296, 1.	2.5	65
10	In the Trenches of the Solar-stellar Connection. IV. Solar Full-disk Scans of C ii, Si iv, and Mg ii by the Interface Region Imaging Spectrograph. <i>Astrophysical Journal</i> , 2021, 916, 36.	4.5	10
11	In the Trenches of the Solar-stellar Connection. V. High-resolution Ultraviolet and X-Ray Observations of Sun-like Stars: The Curious Case of Procyon. <i>Astrophysical Journal</i> , 2021, 923, 192.	4.5	5
12	In the Trenches of the Solar–Stellar Connection. I. Ultraviolet and X-Ray Flux–Flux Correlations across the Activity Cycles of the Sun and Alpha Centauri AB. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 16.	7.7	14
13	A far-UV survey of three hot, metal-polluted white dwarf stars: WD0455 \sim 282, WD0621 \sim 376, and WD2211 \sim 495. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3470-3487.	4.4	7
14	A light carbon isotope composition for the Sun. <i>Nature Communications</i> , 2018, 9, 908.	12.8	43
15	Cracking the Conundrum of F-supergiant Coronae. <i>Astrophysical Journal</i> , 2018, 854, 95.	4.5	9
16	Beyond the Coronal Graveyard. <i>Astronomical Journal</i> , 2018, 156, 163.	4.7	7
17	The Advanced Spectral Library (ASTRAL): Reference Spectra for Evolved M Stars^{$\hat{=}$}. <i>Astrophysical Journal</i> , 2018, 869, 157.	4.5	9
18	Serendipitous X-Ray Sources in the Chandra HRC Field around Alpha Centauri. <i>Astronomical Journal</i> , 2018, 156, 274.	4.7	2

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19	A Closer Look at the Alpha Persei Coronal Conundrum. <i>Astrophysical Journal</i> , 2017, 837, 14.	4.5	10
20	New Fe i Level Energies and Line Identifications from Stellar Spectra. II. Initial Results from New Ultraviolet Spectra of Metal-poor Stars. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 23.	7.7	17
21	Probing the Gravitational Dependence of the Fine-Structure Constant from Observations of White Dwarf Stars. <i>Universe</i> , 2017, 3, 32.	2.5	24
22	FK COMAE BERENICES, KING OF SPIN: THE COCOA-PUFS PROJECT* â€. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 5.	7.7	8
23	Ultraviolet emission lines of Siâ€%ii in cool star and solar spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3405-3412.	4.4	5
24	THE FLARE-ONA OF EK DRACONIS. <i>Astronomical Journal</i> , 2015, 150, 7.	4.7	24
25	CO isotopologue ratios in the solar photosphere. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 307-308.	0.0	0
26	THE FAR-ULTRAVIOLET UPS AND DOWNS OF ALPHA CENTAURI. <i>Astronomical Journal</i> , 2015, 149, 58.	4.7	28
27	AN<i>HST</i>COS âœSNAPSHOTâ€-SPECTRUM OF THE K SUPERGIANT Î» Vel (K4Ib-II). <i>Astrophysical Journal</i> , 2014, 794, 41.	4.5	8
28	THE UPS AND DOWNS OF Î± CENTAURI. <i>Astronomical Journal</i> , 2014, 147, 59.	4.7	35
29	THE CURIOUS CASE OF THE ALPHA PERSEI CORONA: A DWARF IN SUPERGIANT'S CLOTHING?. <i>Astrophysical Journal</i> , 2011, 738, 120.	4.5	9
30	Starspot variability and evolution from modeling Kepler photometry of active late-type stars. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 78-82.	0.0	2
31	WARM CORONAL RAIN ON YOUNG SOLAR ANALOG EK DRACONIS?. <i>Astrophysical Journal Letters</i> , 2010, 723, L38-L43.	8.3	22
32	StarCAT: A CATALOG OF SPACE TELESCOPE IMAGING SPECTROGRAPH ULTRAVIOLET ECHELLE SPECTRA OF STARS. <i>Astrophysical Journal, Supplement Series</i> , 2010, 187, 149-171.	7.7	81
33	THE CYCLES OF Î± CENTAURI. <i>Astrophysical Journal</i> , 2009, 696, 1931-1949.	4.5	34
34	Chandra and GALEX Observations of Stellar Activity on the 7 Gyr Old Arcturus Moving Group Dwarfs. , 2009, , .		0
35	SpS1-Digging in the solar COmosphere with NAC. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 547-547.	0.0	1
36	The Cycles of Alpha Centauri. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 146-149.	0.0	0

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37	The Deep Lamp Project: An Investigation of the Precision and Accuracy of the Echelle Wavelength Scales of Space Telescope Imaging Spectrograph. <i>Astrophysical Journal, Supplement Series</i> , 2008, 177, 626-644.	7.7	4
38	The Fainting of $\hat{\iota}$ Centauri A, Resolved. <i>Astrophysical Journal</i> , 2008, 678, L121-L124.	4.5	25
39	$\hat{\iota}$ TrA Junior. <i>Astrophysical Journal</i> , 2007, 658, L107-L110.	4.5	4
40	X-ray and Ultraviolet Spectroscopy of Intermediate-Mass, First Crossing Giants. <i>Astrophysical Journal, Supplement Series</i> , 2007, 171, 304-330.	7.7	12
41	Solar Carbon Monoxide, Thermal Profiling, and the Abundances of C, O, and Their Isotopes. <i>Astrophysical Journal, Supplement Series</i> , 2006, 165, 618-651.	7.7	110
42	Chandra Observations of Coronal Emission from the Early G Supergiants $\hat{\iota}$ and $\hat{\iota}^2$ Aquarii. <i>Astrophysical Journal</i> , 2005, 627, L53-L56.	4.5	13
43	X-rays from Hybrid Stars. <i>Astrophysical Journal</i> , 2005, 618, 493-501.	4.5	20
44	Coronal Activity on Rapidly-Rotating Solar-Like Stars: Chandra Observations of ER Vul. Symposium - International Astronomical Union, 2004, 215, 334-335.	0.1	0
45	The Giant Star Ca II Ionization Problem: Mass Loss Revisited. Symposium - International Astronomical Union, 2004, 219, 651-655.	0.1	3
46	Fossil Magnetospheres Confront Newborn Dynamos in the Rapid Braking Zone. Symposium - International Astronomical Union, 2004, 215, 280-286.	0.1	0
47	Positional Uncertainties and Detection Limits of ROSAT X-ray Sources. <i>Astrophysical Journal</i> , 2004, 608, 957-970.	4.5	24
48	Buried Alive in the Coronal Graveyard. <i>Astrophysical Journal</i> , 2003, 598, 610-625.	4.5	51
49	Chandra, Extreme Ultraviolet Explorer, and Very Large Array Observations of the Active Binary System $\hat{\iota}^2$ Coronae Borealis. <i>Astrophysical Journal</i> , 2003, 582, 1073-1101.	4.5	46
50	Space Telescope Imaging Spectrograph Survey of Far-Ultraviolet Coronal Forbidden Lines in Late-Type Stars. <i>Astrophysical Journal</i> , 2003, 583, 963-984.	4.5	48
51	The SOHO "Stellar Connection". <i>Solar Physics</i> , 2000, 193, 273-297.	2.5	9
52	Sleuthing the Dynamo. II. Hubble Space Telescope Goddard High Resolution Spectrograph Observations of Solar-Type Dwarfs in Young Galactic Clusters. <i>Astrophysical Journal</i> , 1999, 525, 240-246.	4.5	20
53	The Coronae of Moderate-Mass Giants in the Hertzsprung Gap and the Clump. <i>Astrophysical Journal</i> , 1998, 496, 428-448.	4.5	54
54	Digging Deeper in the Coronal Graveyard. <i>Astrophysical Journal</i> , 1997, 491, 876-884.	4.5	26

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55	Evolution of the solar ionizing flux. Journal of Geophysical Research, 1997, 102, 1641-1651.	3.3	175
56	Evaluating Possible Heating Mechanisms Using the Transition Region Line Profiles of Late-Type Stars. Astrophysical Journal, 1997, 478, 745-765.	4.5	94
57	Hot Times in the Hertzsprung Gap. International Astronomical Union Colloquium, 1996, 152, 113-120.	0.1	0
58	Deuterium and the Local Interstellar Medium Properties for the Procyon and Capella Lines of Sight. Astrophysical Journal, 1995, 451, 335.	4.5	199
59	The RIASS coronation: Joint X-ray and ultraviolet observations of normal F-K stars. Astrophysical Journal, Supplement Series, 1995, 96, 223.	7.7	79
60	The corona of the K5 giant $\hat{1}^3$ Dra, and its relation to the hybrid-chromosphere stars. AIP Conference Proceedings, 1994, , .	0.4	1
61	The Colorado scale-model solar system. Physics Teacher, 1991, 29, 371-374.	0.3	5
62	The many faces of F stars - A rotational modulation study of Capella, Procyon, and Caph with the International Ultraviolet Explorer. Astrophysical Journal, 1991, 375, 704.	4.5	15
63	Digging in the coronal graveyard - A ROSAT observation of the red giant Arcturus. Astrophysical Journal, 1991, 376, L45.	4.5	28
64	Stellar Model Chromospheres. H. Procyon (F5 Iv/v). Astrophysical Journal, 1974, 192, 93.	4.5	28