

Martin Asplund

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186
papers

20,598
citations

65
h-index

142
g-index

195
ext. papers

23,166
ext. citations

5.8
avg, IF

6.96
L-index

#	Paper	IF	Citations
186	Spectroscopy and Photometry of the Least Massive Type II Globular Clusters: NGC 1261 and NGC 6934*. <i>Astrophysical Journal</i> , 2021 , 923, 22	4.7	3
185	3D NLTE spectral line formation of lithium in late-type stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 500, 2159-2176	4.3	15
184	Exploring the Galaxy's halo and very metal-weak thick disc with SkyMapper and Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 503, 2539-2561	4.3	15
183	The GALAH Survey: using galactic archaeology to refine our knowledge of TESS target stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 4968-4989	4.3	5
182	The GALAH+ survey: Third data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 506, 150-201	4.3	70
181	The GALAH Survey: No Chemical Evidence of an Extragalactic Origin for the Nyx Stream. <i>Astrophysical Journal Letters</i> , 2021 , 912, L30	7.9	2
180	Fundamental relations for the velocity dispersion of stars in the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 506, 1761-1776	4.3	12
179	The GALAH survey: Chemical homogeneity of the Orion complex. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 506, 4232-4250	4.3	3
178	The GALAH survey: accreted stars also inhabit the Spite plateau. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 43-54	4.3	4
177	High-resolution spectroscopic follow-up of the most metal-poor candidates from SkyMapper DR1.1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 4102-4119	4.3	5
176	Atomic data for the Gaia-ESO Survey. <i>Astronomy and Astrophysics</i> , 2021 , 645, A106	5.1	21
175	The relationship between photometric and spectroscopic oscillation amplitudes from 3D stellar atmosphere simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 503, 13-27	4.3	1
174	r-Process elements from magnetorotational hypernovae. <i>Nature</i> , 2021 , 595, 223-226	50.4	13
173	The GALAH survey: effective temperature calibration from the InfraRed Flux Method in the Gaia system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 2684-2696	4.3	10
172	The chemical make-up of the Sun: A 2020 vision. <i>Astronomy and Astrophysics</i> , 2021 , 653, A141	5.1	36
171	The COMBS Survey - II. Distinguishing the metal-poor bulge from the halo interlopers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 501, 5981-5996	4.3	7
170	Explosive nucleosynthesis of a metal-deficient star as the source of a distinct odd-even effect in the solar twin HIP 11915. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021 , 502, L104-L109	4.3	4

169	The GALAH survey: a new constraint on cosmological lithium and Galactic lithium evolution from warm dwarf stars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020 , 497, L30-L34	4.3	13
168	The GALAH survey: chemodynamics of the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 2952-2964	4.3	28
167	Detailed chemical compositions of planet-hosting stars II. Exploration of possible planet signatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 3961-3973	4.3	10
166	The 3D non-LTE solar nitrogen abundance from atomic lines. <i>Astronomy and Astrophysics</i> , 2020 , 636, A120	5.1	7
165	The GALAH Survey: non-LTE departure coefficients for large spectroscopic surveys. <i>Astronomy and Astrophysics</i> , 2020 , 642, A62	5.1	25
164	The GALAH survey: temporal chemical enrichment of the galactic disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 491, 2043-2056	4.3	15
163	K2-HERMES II. Planet-candidate properties from K2 Campaigns 1-13. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 851-863	4.3	5
162	The GALAH survey: multiple stars and our Galaxy. <i>Astronomy and Astrophysics</i> , 2020 , 638, A145	5.1	9
161	Convective excitation and damping of solar-like oscillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 4904-4923	4.3	2
160	The GALAH survey and Gaia DR2: Linking ridges, arches, and vertical waves in the kinematics of the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 4962-4979	4.3	35
159	HERBS II: Detailed chemical compositions of Galactic bulge stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 5349-5361	4.3	5
158	The GALAH survey: unresolved triple Sun-like stars discovered by the Gaia mission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 2474-2490	4.3	3
157	HERBS I: Metallicity and alpha enhancement along the Galactic bulge minor axis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 3586-3603	4.3	9
156	Keck HIRES spectroscopy of SkyMapper commissioning survey candidate extremely metal-poor stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 5153-5167	4.3	9
155	Constraining the evolution of stellar rotation using solar twins. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019 , 485, L68-L72	4.3	21
154	The Li ϵ correlation: the Sun is unusually Li deficient for its age. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 4052-4059	4.3	27
153	The GALAH survey and Gaia DR2: dissecting the stellar disc phase space by age, action, chemistry, and location. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 1167-1191	4.3	93
152	The Amplitude of Solar p-mode Oscillations from Three-dimensional Convection Simulations. <i>Astrophysical Journal</i> , 2019 , 880, 13	4.7	10

151	The COMBS survey II. Chemical origins of metal-poor stars in the Galactic bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 2283-2300	4.3	12
150	The lowest detected stellar Fe abundance: the halo star SMSS J160540.18-44323.1. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019 , 488, L109-L113	4.3	30
149	The SkyMapper DR1.1 search for extremely metal-poor stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 5900-5918	4.3	28
148	3D non-LTE line formation of neutral carbon in the Sun. <i>Astronomy and Astrophysics</i> , 2019 , 624, A111	5.1	24
147	The GALAH survey: An abundance, age, and kinematic inventory of the solar neighbourhood made with TGAS. <i>Astronomy and Astrophysics</i> , 2019 , 624, A19	5.1	61
146	Chemical (in)homogeneity and atomic diffusion in the open cluster M 67. <i>Astronomy and Astrophysics</i> , 2019 , 627, A117	5.1	26
145	The K2-HERMES Survey: age and metallicity of the thick disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 5335-5352	4.3	40
144	The GALAH survey: co-orbiting stars and chemical tagging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 5302-5315	4.3	12
143	The GALAH survey: a catalogue of carbon-enhanced stars and CEMP candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 483, 3196-3212	4.3	5
142	The GALAH survey: velocity fluctuations in the Milky Way using Red Clump giants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 4215-4232	4.3	3
141	Thorium in solar twins: implications for habitability in rocky planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 1690-1700	4.3	13
140	The K2-HERMES Survey. I. Planet-candidate Properties from K2 Campaigns 1B. <i>Astronomical Journal</i> , 2018 , 155, 84	4.9	33
139	The GALAH survey: properties of the Galactic disc(s) in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 5216-5232	4.3	29
138	Stellar ages and masses in the solar neighbourhood: Bayesian analysis using spectroscopy and Gaia DR1 parallaxes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 2966-2975	4.3	13
137	Accurate effective temperatures of the metal-poor benchmark stars HD 140283, HD 122563, and HD 103095 from CHARA interferometry. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018 , 475, L81-L85	4.3	29
136	The GALAH survey: stellar streams and how stellar velocity distributions vary with Galactic longitude, hemisphere, and metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 228-254	4.3	24
135	Detailed chemical compositions of the wide binary HD 80606/80607: revised stellar properties and constraints on planet formation. <i>Astronomy and Astrophysics</i> , 2018 , 614, A138	5.1	16
134	Metallicity Variations in the Type II Globular Cluster NGC 6934. <i>Astrophysical Journal</i> , 2018 , 859, 81	4.7	28

133	The benchmark halo giant HD 122563: CNO abundances revisited with three-dimensional hydrodynamic model stellar atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 3369-3392	4.3	18
132	Measuring Oxygen Abundances from Stellar Spectra without Oxygen Lines. <i>Astrophysical Journal</i> , 2018 , 860, 159	4.7	10
131	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2018 , 619, A73	5.1	37
130	Effective temperature determinations of late-type stars based on 3D non-LTE Balmer line formation. <i>Astronomy and Astrophysics</i> , 2018 , 615, A139	5.1	36
129	The GALAH survey: verifying abundance trends in the open cluster M67 using non-LTE modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 2666-2684	4.3	32
128	The Chemical Homogeneity of Sun-like Stars in the Solar Neighborhood. <i>Astrophysical Journal</i> , 2018 , 865, 68	4.7	83
127	Inelastic O+H collisions and the O I 777 nm solar centre-to-limb variation. <i>Astronomy and Astrophysics</i> , 2018 , 616, A89	5.1	33
126	The GALAH Survey: second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 4513-4552	4.3	193
125	The GALAH survey: accurate radial velocities and library of observed stellar template spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 645-654	4.3	21
124	The Stagger-grid: Synthetic stellar spectra and broad-band photometry. <i>Proceedings of the International Astronomical Union</i> , 2018 , 14, 463-464	0.1	
123	The GALAH survey: chemical tagging of star clusters and new members in the Pleiades. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 4612-4633	4.3	28
122	The TESS+BIERMES survey data release 1: high-resolution spectroscopy of the TESS southern continuous viewing zone. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 2004-2019	4.3	71
121	The solar silicon abundance based on 3D non-LTE calculations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 464, 264-273	4.3	44
120	Kepler-11 is a Solar Twin: Revising the Masses and Radii of Benchmark Planets via Precise Stellar Characterization. <i>Astrophysical Journal</i> , 2017 , 839, 94	4.7	33
119	The Influence of Atomic Diffusion on Stellar Ages and Chemical Tagging. <i>Astrophysical Journal</i> , 2017 , 840, 99	4.7	105
118	Sun-like stars unlike the Sun: Clues for chemical anomalies of cool stars. <i>Astronomische Nachrichten</i> , 2017 , 338, 442-452	0.7	8
117	The asteroseismic surface effect from a grid of 3D convection simulations II. Frequency shifts from convective expansion of stellar atmospheres. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017 , 466, L43-L47	4.3	31
116	The GALAH survey: observational overview and GaiaDR1 companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 3203-3219	4.3	123

115	Chemical evolution of the Galactic bulge as traced by microlensed dwarf and subgiant stars. <i>Astronomy and Astrophysics</i> , 2017 , 605, A89	5.1	98
114	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2017 , 597, A34	5.1	30
113	The Galah Survey: Classification and Diagnostics with t-SNE Reduction of Spectral Information. <i>Astrophysical Journal, Supplement Series</i> , 2017 , 228, 24	8	34
112	Spectroscopy and Photometry of Multiple Populations along the Asymptotic Giant Branch of NGC 2808 and NGC 6121 (M4). <i>Astrophysical Journal</i> , 2017 , 843, 66	4.7	32
111	Non-LTE line formation of Fe in late-type stars IV. Modelling of the solar centre-to-limb variation in 3D. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 468, 4311-4322	4.3	45
110	The GALAH survey: the data reduction pipeline. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 464, 1259-1281	4.3	47
109	The temporal evolution of neutron-capture elements in the Galactic discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 ,	4.3	38
108	Spectroscopic binaries in the Solar Twin Planet Search program: from substellar mass to M dwarf companions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 3425-3436	4.3	9
107	Discovery of a Metal-poor, Luminous Post-AGB Star that Failed the Third Dredge-up. <i>Astrophysical Journal</i> , 2017 , 836, 15	4.7	8
106	3D NLTE analysis of the most iron-deficient star, SMSS0313-6708. <i>Astronomy and Astrophysics</i> , 2017 , 597, A6	5.1	58
105	First high-precision differential abundance analysis of extremely metal-poor stars. <i>Astronomy and Astrophysics</i> , 2016 , 586, A67	5.1	14
104	The chemical compositions of solar twins in the open cluster M67. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 696-704	4.3	48
103	The EMBLA survey I metal-poor stars in the Galactic bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 460, 884-901	4.3	53
102	Non-LTE oxygen line formation in 3D hydrodynamic model stellar atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 3735-3751	4.3	75
101	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2016 , 590, A32	5.1	68
100	Non-LTE line formation of Fe in late-type stars III. 3D non-LTE analysis of metal-poor stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 1518-1533	4.3	90
99	Red supergiant stars in NGC 4449, NGC 5055, and NGC 5457. <i>Proceedings of the International Astronomical Union</i> , 2016 , 12, 392-392	0.1	
98	Nucleosynthetic history of elements in the Galactic disk. <i>Astronomy and Astrophysics</i> , 2016 , 593, A125	5.1	54

97	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2016 , 592, A156	5.1	30
96	Atomic diffusion and mixing in old stars. <i>Astronomy and Astrophysics</i> , 2016 , 589, A61	5.1	30
95	The detailed chemical composition of the terrestrial planet host Kepler-10. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 456, 2636-2646	4.3	14
94	The Hyades open cluster is chemically inhomogeneous. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 457, 3934-3948	4.3	64
93	Implications of solar wind measurements for solar models and composition. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 2-9	4.3	20
92	NOMINAL VALUES FOR SELECTED SOLAR AND PLANETARY QUANTITIES: IAU 2015 RESOLUTION B3. <i>Astronomical Journal</i> , 2016 , 152, 41	4.9	154
91	AN ELEMENTAL ASSAY OF VERY, EXTREMELY, AND ULTRA-METAL-POOR STARS. <i>Astrophysical Journal</i> , 2015 , 807, 173	4.7	85
90	THE DISSIMILAR CHEMICAL COMPOSITION OF THE PLANET-HOSTING STARS OF THE XO-2 BINARY SYSTEM. <i>Astrophysical Journal</i> , 2015 , 808, 13	4.7	66
89	Extremely metal-poor stars from the cosmic dawn in the bulge of the Milky Way. <i>Nature</i> , 2015 , 527, 484-487	7.0	67
88	DIVISION G COMMISSION 36: THEORY OF STELLAR ATMOSPHERES. <i>Proceedings of the International Astronomical Union</i> , 2015 , 11, 453-473	0.1	
87	The Galactic chemical evolution of oxygen inferred from 3D non-LTE spectral-line-formation calculations. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015 , 454, L11-L15	4.3	38
86	The elemental composition of the Sun. <i>Astronomy and Astrophysics</i> , 2015 , 573, A27	5.1	147
85	NUCLEOSYNTHESIS IN A PRIMORDIAL SUPERNOVA: CARBON AND OXYGEN ABUNDANCES IN SMSS J031300.36870839.3. <i>Astrophysical Journal Letters</i> , 2015 , 806, L16	7.9	51
84	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2015 , 581, A34	5.1	22
83	Iron and s-elements abundance variations in NGC 5286: comparison with 'anomalous' globular clusters and Milky Way satellites. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 815-845	4.3	107
82	Shallow extra mixing in solar twins inferred from Be abundances. <i>Astronomy and Astrophysics</i> , 2015 , 576, L10	5.1	21
81	The elemental composition of the Sun. <i>Astronomy and Astrophysics</i> , 2015 , 573, A25	5.1	150
80	First light results from the High Efficiency and Resolution Multi-Element Spectrograph at the Anglo-Australian Telescope. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2015 , 1, 035002	1.1	44

79	The GALAH survey: scientific motivation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 2604-2617	4.3	386
78	HIGH-RESOLUTION SPECTROSCOPIC STUDY OF EXTREMELY METAL-POOR STAR CANDIDATES FROM THE SKYMAPPER SURVEY. <i>Astrophysical Journal</i> , 2015 , 807, 171	4.7	81
77	The elemental composition of the Sun. <i>Astronomy and Astrophysics</i> , 2015 , 573, A26	5.1	184
76	A single low-energy, iron-poor supernova as the source of metals in the star SMSS J031300.36-670839.3. <i>Nature</i> , 2014 , 506, 463-6	50.4	238
75	Chemical signatures of planets: beyond solar-twins. <i>Astronomy and Astrophysics</i> , 2014 , 561, A7	5.1	52
74	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2014 , 572, A48	5.1	108
73	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , 2014 , 38, 249-330	1.3	672
72	Improvements to stellar structure models, based on a grid of 3D convection simulations II. Calibrating the mixing-length formulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 4366-4384	4.3	114
71	A high-precision chemical abundance analysis of the HAT-P-1 stellar binary: constraints on planet formation?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014 , 442, L51-L55	4.3	45
70	Helium enhanced stars and multiple populations along the horizontal branch of NGC 2808: direct spectroscopic measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 437, 1609-1627	4.3	111
69	The halo+cluster system of the Galactic globular cluster NGC 1851?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 442, 3044-3064	4.3	50
68	EXPLORING THE ORIGIN OF LITHIUM, CARBON, STRONTIUM, AND BARIUM WITH FOUR NEW ULTRA METAL-POOR STARS. <i>Astrophysical Journal</i> , 2014 , 787, 162	4.7	60
67	GLOBAL AND NONGLOBAL PARAMETERS OF HORIZONTAL-BRANCH MORPHOLOGY OF GLOBULAR CLUSTERS. <i>Astrophysical Journal</i> , 2014 , 785, 21	4.7	89
66	STELLAR CHEMICAL ABUNDANCES: IN PURSUIT OF THE HIGHEST ACHIEVABLE PRECISION. <i>Astrophysical Journal</i> , 2014 , 795, 23	4.7	61
65	DOES SEGUE/SDSS INDICATE A DUAL GALACTIC HALO?. <i>Astrophysical Journal</i> , 2014 , 786, 7	4.7	34
64	THE MOST METAL-POOR STARS. IV. THE TWO POPULATIONS WITH $[Fe/H] \geq B.O.$ <i>Astrophysical Journal</i> , 2013 , 762, 28	4.7	139
63	A GRID OF THREE-DIMENSIONAL STELLAR ATMOSPHERE MODELS OF SOLAR METALLICITY. I. GENERAL PROPERTIES, GRANULATION, AND ATMOSPHERIC EXPANSION. <i>Astrophysical Journal</i> , 2013 , 769, 18	4.7	99
62	How realistic are solar model atmospheres?. <i>Astronomy and Astrophysics</i> , 2013 , 554, A118	5.1	62

61	The lithium isotopic ratio in very metal-poor stars. <i>Astronomy and Astrophysics</i> , 2013 , 554, A96	5.1	104
60	The SUMO project I. A survey of multiple populations in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 431, 2126-2149	4.3	100
59	The Stagger-grid: A grid of 3D stellar atmosphere models. <i>Astronomy and Astrophysics</i> , 2013 , 557, A26	5.1	151
58	THE MOST METAL-POOR STARS. I. DISCOVERY, DATA, AND ATMOSPHERIC PARAMETERS. <i>Astrophysical Journal</i> , 2013 , 762, 25	4.7	50
57	A METHOD FOR ESTIMATING PARALLAXES OF VCBS: MODIFICATION TO HIPPARCOS PARALLAX MEASUREMENTS. <i>International Journal of Modern Physics Conference Series</i> , 2013 , 23, 64-73	0.7	3
56	The GALAH survey. <i>Proceedings of the International Astronomical Union</i> , 2013 , 9, 322-325	0.1	3
55	THE MOST METAL-POOR STARS. II. CHEMICAL ABUNDANCES OF 190 METAL-POOR STARS INCLUDING 10 NEW STARS WITH $[Fe/H] \approx -3.5$, .. <i>Astrophysical Journal</i> , 2013 , 762, 26	4.7	207
54	Non-LTE line formation of Fe in late-type stars III. 1D spectroscopic stellar parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 50-60	4.3	225
53	Non-LTE line formation of Fe in late-type stars II. Standard stars with 1D and <3D> model atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 27-49	4.3	203
52	Integrating the HERMES spectrograph for the AAT 2012 ,		7
51	The remarkable solar twin HIP 6948: a prime target in the quest for other Earths. <i>Astronomy and Astrophysics</i> , 2012 , 543, A29	5.1	91
50	The double sub-giant branch of NGC 6656 (M 22): a chemical characterization. <i>Astronomy and Astrophysics</i> , 2012 , 541, A15	5.1	62
49	3D LTE spectral line formation with scattering in red giant stars. <i>Astronomy and Astrophysics</i> , 2011 , 529, A158	5.1	37
48	The StaggerGrid project: a grid of 3-D model atmospheres for high-precision spectroscopy. <i>Journal of Physics: Conference Series</i> , 2011 , 328, 012003	0.3	28
47	Non-LTE calculations for neutral Na in late-type stars using improved atomic data. <i>Astronomy and Astrophysics</i> , 2011 , 528, A103	5.1	241
46	New constraints on the chemical evolution of the solar neighbourhood and Galactic disc(s). <i>Astronomy and Astrophysics</i> , 2011 , 530, A138	5.1	572
45	A possible signature of terrestrial planet formation in the chemical composition of solar analogs. <i>Astronomy and Astrophysics</i> , 2010 , 521, A33	5.1	77
44	Lithium depletion in solar-like stars: no planet connection. <i>Astronomy and Astrophysics</i> , 2010 , 519, A87	5.1	118

43	An absolutely calibrated Teff scale from the infrared flux method. <i>Astronomy and Astrophysics</i> , 2010 , 512, A54	5.1	519
42	Radiative transfer with scattering for domain-decomposed 3D MHD simulations of cool stellar atmospheres. <i>Astronomy and Astrophysics</i> , 2010 , 517, A49	5.1	98
41	The solar, exoplanet and cosmological lithium problems. <i>Astrophysics and Space Science</i> , 2010 , 328, 193-200		37
40	Departures from LTE for neutral Li in late-type stars. <i>Astronomy and Astrophysics</i> , 2009 , 503, 541-544	5.1	191
39	Oxygen lines in solar granulation. <i>Astronomy and Astrophysics</i> , 2009 , 508, 1403-1416	5.1	61
38	Accurate abundance patterns of solar twins and analogs. <i>Astronomy and Astrophysics</i> , 2009 , 508, L17-L20	5.1	195
37	NEW SOLAR COMPOSITION: THE PROBLEM WITH SOLAR MODELS REVISITED. <i>Astrophysical Journal</i> , 2009 , 705, L123-L127	4.7	259
36	The Chemical Composition of the Sun. <i>Annual Review of Astronomy and Astrophysics</i> , 2009 , 47, 481-522	31.7	5468
35	Signatures of intrinsic Li depletion and Li-Na anti-correlation in the metal-poor globular cluster NGC 6397. <i>Astronomy and Astrophysics</i> , 2009 , 503, 545-557	5.1	157
34	THE PECULIAR SOLAR COMPOSITION AND ITS POSSIBLE RELATION TO PLANET FORMATION. <i>Astrophysical Journal</i> , 2009 , 704, L66-L70	4.7	293
33	Solar Surface Convection. <i>Living Reviews in Solar Physics</i> , 2009 , 6, 2	24.8	214
32	ON THE SOLAR NICKEL AND OXYGEN ABUNDANCES. <i>Astrophysical Journal</i> , 2009 , 691, L119-L122	4.7	51
31	Primordial and Pre-Galactic Origins of the Lithium Isotopes 2008 ,		9
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