

# David H Weinberg

## List of Publications by Year in descending order

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94  
papers

38,983  
citations

38742

50  
h-index

39675

94  
g-index

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all docs

94  
docs citations

94  
times ranked

13146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploiting non-linear scales in galaxy-galaxy lensing and galaxy clustering: A forecast for the dark energy survey. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5376-5391.	4.4	3
2	How Many Elements Matter?. Astrophysical Journal, 2022, 927, 209.	4.5	16
3	The High Latitude Spectroscopic Survey on the Nancy Grace Roman Space Telescope. Astrophysical Journal, 2022, 928, 1.	4.5	38
4	SEGUE-2: Old Milky Way Stars Near and Far. Astrophysical Journal, Supplement Series, 2022, 259, 60.	7.7	22
5	Residual Abundances in GALAH DR3: Implications for Nucleosynthesis and Identification of Unique Stellar Populations. Astrophysical Journal, 2022, 931, 23.	4.5	8
6	Chemical Cartography with APOGEE: Mapping Disk Populations with a 2-process Model and Residual Abundances. Astrophysical Journal, Supplement Series, 2022, 260, 32.	7.7	15
7	Primordial Helium-3 Redux: The Helium Isotope Ratio of the Orion Nebula*. Astrophysical Journal, 2022, 932, 60.	4.5	5
8	Stellar migration and chemical enrichment in the milky way disc: a hybrid model. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4484-4511.	4.4	35
9	Nucleosynthesis signatures of neutrino-driven winds from proto-neutron stars: a perspective from chemical evolution models. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3499-3507.	4.4	6
10	Inside out and upside-down: The roles of gas cooling and dynamical heating in shaping the stellar age-velocity relation. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1815-1827.	4.4	36
11	Characterizing the target selection pipeline for the Dark Energy Spectroscopic Instrument Bright Galaxy Survey. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4328-4349.	4.4	17
12	Cosmology with Galaxy Cluster Weak Lensing: Statistical Limits and Experimental Design. Astrophysical Journal, 2021, 910, 28.	4.5	9
13	Cosmology with the <i>Roman Space Telescope</i>: synergies with the Rubin Observatory Legacy Survey of Space and Time. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1514-1527.	4.4	24
14	The Similarity of Abundance Ratio Trends and Nucleosynthetic Patterns in the Milky Way Disk and Bulge. Astrophysical Journal, 2021, 909, 77.	4.5	36
15	Cosmology with the <i>Roman Space Telescope</i> - multiprobe strategies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1746-1761.	4.4	36
16	The distribution of $[1\pm/\text{Fe}]$ in the Milky Way disc. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5903-5920.	4.4	19
17	The Impact of Black Hole Formation on Population-averaged Supernova Yields. Astrophysical Journal, 2021, 921, 73.	4.5	12
18	Statistical Measurements of Dispersion Measure Fluctuations in Fast Radio Bursts. Astrophysical Journal Letters, 2021, 922, L31.	8.3	2

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19	APOGEE Chemical Abundance Patterns of the Massive Milky Way Satellites. <i>Astrophysical Journal</i> , 2021, 923, 172.	4.5	64
20	The impact of starbursts on element abundance ratios. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1364-1381.	4.4	22
21	A new model for including galactic winds in simulations of galaxy formation – I. Introducing the Physically Evolved Winds (PhEW) model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2586-2604.	4.4	19
22	Cosmology with stacked cluster weak lensing and cluster–galaxy cross-correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 3061-3081.	4.4	22
23	The impact of wind scalings on stellar growth and the baryon cycle in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1-28.	4.4	6
24	Cosmology with galaxy–galaxy lensing on non-perturbative scales: emulation method and application to BOSS LOWZ. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2872-2896.	4.4	36
25	Preliminary Target Selection for the DESI Bright Galaxy Survey (BGS). <i>Research Notes of the AAS</i> , 2020, 4, 187.	0.7	40
26	A high signal-to-noise HST spectrum towards J1009+0713: precise absorption measurements in the CGM of two galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 78-98.	4.4	3
27	Covariance matrices for galaxy cluster weak lensing: from virial regime to uncorrelated large-scale structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2606-2626.	4.4	13
28	The chemical evolution of r-process elements from neutron star mergers: the role of a 2-phase interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 580-594.	4.4	32
29	The robustness of cosmological hydrodynamic simulation predictions to changes in numerics and cooling physics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2021-2046.	4.4	12
30	APOGEE [C/N] Abundances across the Galaxy: Migration and Infall from Red Giant Ages. <i>Astrophysical Journal</i> , 2019, 871, 181.	4.5	25
31	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. <i>Astrophysical Journal</i> , 2019, 874, 102.	4.5	85
32	Emulating galaxy clustering and galaxy–galaxy lensing into the deeply non-linear regime: methodology, information, and forecasts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 989-1006.	4.4	41
33	Abundance Ratios in GALAH DR2 and Their Implications for Nucleosynthesis. <i>Astrophysical Journal</i> , 2019, 886, 84.	4.5	29
34	Fast winds drive slow shells: a model for the circumgalactic medium as galactic wind-driven bubbles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1873-1896.	4.4	36
35	Age-resolved chemistry of red giants in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2326-2348.	4.4	54
36	The conditional colour–magnitude distribution – I. A comprehensive model of the colour–magnitude–halo mass distribution of present-day galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5470-5500.	4.4	24

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37	The Abacus Cosmos: A Suite of Cosmological N-body Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 43.	7.7	81
38	Inflow, Outflow, Yields, and Stellar Population Mixing in Chemical Evolution Models. <i>Astrophysical Journal</i> , 2017, 835, 224.	4.5	107
39	Equilibrium and Sudden Events in Chemical Evolution. <i>Astrophysical Journal</i> , 2017, 837, 183.	4.5	73
40	On the Deuterium-to-hydrogen Ratio of the Interstellar Medium. <i>Astrophysical Journal</i> , 2017, 851, 25.	4.5	42
41	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological analysis of the DR12 galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2617-2652.	4.4	1,906
42	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017, 154, 94.	4.7	1,065
43	The Chemical Abundance Structure of the Inner Milky Way: A Signature of "Upside-down" Disk Formation. <i>Astrophysical Journal</i> , 2017, 849, 17.	4.5	10
44	Modelling galaxy clustering: halo occupation distribution versus subhalo matching. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3040-3058.	4.4	79
45	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. <i>Astronomical Journal</i> , 2016, 151, 144.	4.7	497
46	GALAXY THREE-POINT CORRELATION FUNCTIONS AND HALO/SUBHALO MODELS. <i>Astrophysical Journal</i> , 2016, 831, 3.	4.5	15
47	Redshift-space clustering of SDSS galaxies " luminosity dependence, halo occupation distribution, and velocity bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 4369-4384.	4.4	90
48	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 150, 148.	4.7	344
49	Velocity bias from the small-scale clustering of SDSS-III BOSS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 578-594.	4.4	89
50	Clustering of intermediate redshift quasars using the final SDSS III-BOSS sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2780-2799.	4.4	115
51	Modelling the redshift-space three-point correlation function in SDSS-III. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 449, L95-L99.	3.3	36
52	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2015, 808, 132.	4.5	468
53	Cold dark matter: Controversies on small scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12249-12255.	7.1	286
54	Sparse sampling, galaxy bias, and voids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 462-471.	4.4	73

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55	Tracing inflows and outflows with absorption lines in circumgalactic gas. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1260-1281.	4.4	131
56	THE APOGEE RED-CLUMP CATALOG: PRECISE DISTANCES, VELOCITIES, AND HIGH-RESOLUTION ELEMENTAL ABUNDANCES OVER A LARGE AREA OF THE MILKY WAY'S DISK. Astrophysical Journal, 2014, 790, 127.	4.5	181
57	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. Astrophysical Journal, 2014, 796, 38.	4.5	181
58	A BUDGET AND ACCOUNTING OF METALS AT $z \approx 0$ : RESULTS FROM THE COS-HALOS SURVEY. Astrophysical Journal, 2014, 786, 54.	4.5	256
59	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Data Releases 10 and 11 Galaxy samples. Monthly Notices of the Royal Astronomical Society, 2014, 441, 24-62.	4.4	1,168
60	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. Astrophysical Journal, Supplement Series, 2014, 211, 17.	7.7	820
61	Voids in the SDSS DR9: observations, simulations, and the impact of the survey mask. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3127-3137.	4.4	60
62	Observational probes of cosmic acceleration. Physics Reports, 2013, 530, 87-255.	25.6	933
63	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10.	4.7	1,571
64	INSIDE OUT AND UPSIDE DOWN: TRACING THE ASSEMBLY OF A SIMULATED DISK GALAXY USING MONO-AGE STELLAR POPULATIONS. Astrophysical Journal, 2013, 773, 43.	4.5	206
65	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. Astrophysical Journal, 2012, 759, 131.	4.5	325
66	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measurements of the growth of structure and expansion rate at $z = 0.57$ from anisotropic clustering. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2719-2737.	4.4	336
67	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. Astrophysical Journal, Supplement Series, 2012, 203, 21.	7.7	1,158
68	Radial mixing in galactic discs: the effects of disc structure and satellite bombardment. Monthly Notices of the Royal Astronomical Society, 2012, 420, 913-925.	4.4	98
69	The clustering of intermediate-redshift quasars as measured by the Baryon Oscillation Spectroscopic Survey. Monthly Notices of the Royal Astronomical Society, 2012, 424, 933-950.	4.4	171
70	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological implications of the large-scale two-point correlation function. Monthly Notices of the Royal Astronomical Society, 2012, 425, 415-437.	4.4	151
71	Self-similar bumps and wiggles: Isolating the evolution of the BAO peak with power-law initial conditions. Physical Review D, 2011, 84, .	4.7	12
72	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. Astronomical Journal, 2011, 142, 72.	4.7	1,700

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73	GALAXY CLUSTERING IN THE COMPLETED SDSS REDSHIFT SURVEY: THE DEPENDENCE ON COLOR AND LUMINOSITY. <i>Astrophysical Journal</i> , 2011, 736, 59.	4.5	620
74	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal</i> , Supplement Series, 2011, 193, 29.	7.7	1,166
75	COSMOLOGICAL CONSTRAINTS FROM THE SLOAN DIGITAL SKY SURVEY MaxBCG CLUSTER CATALOG. <i>Astrophysical Journal</i> , 2010, 708, 645-660.	4.5	382
76	HALO OCCUPATION DISTRIBUTION MODELING OF CLUSTERING OF LUMINOUS RED GALAXIES. <i>Astrophysical Journal</i> , 2009, 707, 554-572.	4.5	178
77	Galaxies in a simulated $\Lambda$ CDM Universe - I. Cold mode and hot cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 160-179.	4.4	618
78	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal</i> , Supplement Series, 2009, 182, 543-558.	7.7	4,201
79	The Sixth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , Supplement Series, 2008, 175, 297-313.	7.7	1,202
80	The Luminosity and Color Dependence of the Galaxy Correlation Function. <i>Astrophysical Journal</i> , 2005, 630, 1-27.	4.5	653
81	Theoretical Models of the Halo Occupation Distribution: Separating Central and Satellite Galaxies. <i>Astrophysical Journal</i> , 2005, 633, 791-809.	4.5	652
82	ASTRONOMY: Mapping the Large-Scale Structure of the Universe. <i>Science</i> , 2005, 309, 564-565.	12.6	6
83	Cosmological parameter analysis including SDSS Ly $\alpha$ forest and galaxy bias: Constraints on the primordial spectrum of fluctuations, neutrino mass, and dark energy. <i>Physical Review D</i> , 2005, 71, .	4.7	828
84	Galaxy Clustering and Galaxy Bias in a $\Lambda$ CDM Universe. <i>Astrophysical Journal</i> , 2004, 601, 1-21.	4.5	109
85	Bright Lyman-break galaxy candidates in the SDSS first data release. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 515-516.	0.0	1
86	The Halo Occupation Distribution and the Physics of Galaxy Formation. <i>Astrophysical Journal</i> , 2003, 593, 1-25.	4.5	307
87	The Lyman- $\alpha$ Forest as a Cosmological Tool. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	28
88	The Galaxy Proximity Effect in the Ly $\alpha$ Forest. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	1
89	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 485-548.	4.7	2,003
90	The Halo Occupation Distribution: Toward an Empirical Determination of the Relation between Galaxies and Mass. <i>Astrophysical Journal</i> , 2002, 575, 587-616.	4.5	801

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91	Galaxy Clustering in Early Sloan Digital Sky Survey Redshift Data. <i>Astrophysical Journal</i> , 2002, 571, 172-190.	4.5	520
92	The Sloan Digital Sky Survey: Technical Summary. <i>Astronomical Journal</i> , 2000, 120, 1579-1587.	4.7	8,099
93	Mock 2dF and SDSS galaxy redshift surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 300, 945-966.	4.4	42
94	Cosmological Simulations with TreeSPH. <i>Astrophysical Journal, Supplement Series</i> , 1996, 105, 19.	7.7	830