

# 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

94  
all docs

94  
docs citations

94  
times ranked

13146  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Sloan Digital Sky Survey: Technical Summary. <i>Astronomical Journal</i> , 2000, 120, 1579-1587.	4.7	8,099
2	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 543-558.	7.7	4,201
3	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 485-548.	4.7	2,003
4	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
5	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011, 142, 72.	4.7	1,700
6	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. <i>Astronomical Journal</i> , 2013, 145, 10.	4.7	1,571
7	The Sixth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2008, 175, 297-313.	7.7	1,202
8	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Data Releases 10 and 11 Galaxy samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 24-62.	4.4	1,168
9	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2011, 193, 29.	7.7	1,166
10	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 21.	7.7	1,158
11	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017, 154, 94.	4.7	1,065
12	Observational probes of cosmic acceleration. <i>Physics Reports</i> , 2013, 530, 87-255.	25.6	933
13	Cosmological Simulations with TreeSPH. <i>Astrophysical Journal, Supplement Series</i> , 1996, 105, 19.	7.7	830
14	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
15	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 17.	7.7	820
16	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
17	The Luminosity and Color Dependence of the Galaxy Correlation Function. <i>Astrophysical Journal</i> , 2005, 630, 1-27.	4.5	653
18	Theoretical Models of the Halo Occupation Distribution: Separating Central and Satellite Galaxies. <i>Astrophysical Journal</i> , 2005, 633, 791-809.	4.5	652

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19	GALAXY CLUSTERING IN THE COMPLETED SDSS REDSHIFT SURVEY: THE DEPENDENCE ON COLOR AND LUMINOSITY. <i>Astrophysical Journal</i> , 2011, 736, 59.	4.5	620
20	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
21	Galaxy Clustering in Early Sloan Digital Sky Survey Redshift Data. <i>Astrophysical Journal</i> , 2002, 571, 172-190.	4.5	520
22	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. <i>Astronomical Journal</i> , 2016, 151, 144.	4.7	497
23	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
24	COSMOLOGICAL CONSTRAINTS FROM THE SLOAN DIGITAL SKY SURVEY MaxBCG CLUSTER CATALOG. <i>Astrophysical Journal</i> , 2010, 708, 645-660.	4.5	382
25	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 150, 148.	4.7	344
26	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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2719-2737.	4.4	336
27	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. <i>Astrophysical Journal</i> , 2012, 759, 131.	4.5	325
28	The Halo Occupation Distribution and the Physics of Galaxy Formation. <i>Astrophysical Journal</i> , 2003, 593, 1-25.	4.5	307
29	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
30	A BUDGET AND ACCOUNTING OF METALS AT $z \approx 0$ : RESULTS FROM THE COS-HALOS SURVEY. <i>Astrophysical Journal</i> , 2014, 786, 54.	4.5	256
31	INSIDE OUT AND UPSIDE DOWN: TRACING THE ASSEMBLY OF A SIMULATED DISK GALAXY USING MONO-AGE STELLAR POPULATIONS. <i>Astrophysical Journal</i> , 2013, 773, 43.	4.5	206
32	THE APOGEE RED-CLUMP CATALOG: PRECISE DISTANCES, VELOCITIES, AND HIGH-RESOLUTION ELEMENTAL ABUNDANCES OVER A LARGE AREA OF THE MILKY WAY'S DISK. <i>Astrophysical Journal</i> , 2014, 790, 127.	4.5	181
33	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. <i>Astrophysical Journal</i> , 2014, 796, 38.	4.5	181
34	HALO OCCUPATION DISTRIBUTION MODELING OF CLUSTERING OF LUMINOUS RED GALAXIES. <i>Astrophysical Journal</i> , 2009, 707, 554-572.	4.5	178
35	The clustering of intermediate-redshift quasars as measured by the Baryon Oscillation Spectroscopic Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 933-950.	4.4	171
36	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological implications of the large-scale two-point correlation function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 415-437.	4.4	151

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37	Tracing inflows and outflows with absorption lines in circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1260-1281.	4.4	131
38	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
39	Galaxy Clustering and Galaxy Bias in a $\Lambda$ CDM Universe. <i>Astrophysical Journal</i> , 2004, 601, 1-21.	4.5	109
40	Inflow, Outflow, Yields, and Stellar Population Mixing in Chemical Evolution Models. <i>Astrophysical Journal</i> , 2017, 835, 224.	4.5	107
41	Radial mixing in galactic discs: the effects of disc structure and satellite bombardment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 913-925.	4.4	98
42	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
43	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
44	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. <i>Astrophysical Journal</i> , 2019, 874, 102.	4.5	85
45	The Abacus Cosmos: A Suite of Cosmological N-body Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 43.	7.7	81
46	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
47	Sparse sampling, galaxy bias, and voids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 462-471.	4.4	73
48	Equilibrium and Sudden Events in Chemical Evolution. <i>Astrophysical Journal</i> , 2017, 837, 183.	4.5	73
49	APOGEE Chemical Abundance Patterns of the Massive Milky Way Satellites. <i>Astrophysical Journal</i> , 2021, 923, 172.	4.5	64
50	Voids in the SDSS DR9: observations, simulations, and the impact of the survey mask. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3127-3137.	4.4	60
51	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
52	On the Deuterium-to-hydrogen Ratio of the Interstellar Medium. <i>Astrophysical Journal</i> , 2017, 851, 25.	4.5	42
53	Mock 2dF and SDSS galaxy redshift surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 300, 945-966.	4.4	42
54	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

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55	Preliminary Target Selection for the DESI Bright Galaxy Survey (BCS). Research Notes of the AAS, 2020, 4, 187.	0.7	40
56	The High Latitude Spectroscopic Survey on the Nancy Grace Roman Space Telescope. Astrophysical Journal, 2022, 928, 1.	4.5	38
57	Modelling the redshift-space three-point correlation function in SDSS-III. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 449, L95-L99.	3.3	36
58	Fast winds drive slow shells: a model for the circumgalactic medium as galactic wind-driven bubbles. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1873-1896.	4.4	36
59	Cosmology with galaxy-galaxy lensing on non-perturbative scales: emulation method and application to BOSS LOWZ. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2872-2896.	4.4	36
60	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
61	The Similarity of Abundance Ratio Trends and Nucleosynthetic Patterns in the Milky Way Disk and Bulge. Astrophysical Journal, 2021, 909, 77.	4.5	36
62	Cosmology with the Roman Space Telescope - multiprobe strategies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1746-1761.	4.4	36
63	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
64	The chemical evolution of r-process elements from neutron star mergers: the role of a 2-phase interstellar medium. Monthly Notices of the Royal Astronomical Society, 2019, 487, 580-594.	4.4	32
65	Abundance Ratios in GALAH DR2 and Their Implications for Nucleosynthesis. Astrophysical Journal, 2019, 886, 84.	4.5	29
66	The Lyman- $\alpha$ Forest as a Cosmological Tool. AIP Conference Proceedings, 2003, , .	0.4	28
67	APOGEE [C/N] Abundances across the Galaxy: Migration and Infall from Red Giant Ages. Astrophysical Journal, 2019, 871, 181.	4.5	25
68	The conditional colour-magnitude distribution - I. A comprehensive model of the colour-magnitude-halo mass distribution of present-day galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5470-5500.	4.4	24
69	Cosmology with the Roman Space Telescope: 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
70	The impact of starbursts on element abundance ratios. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1364-1381.	4.4	22
71	Cosmology with stacked cluster weak lensing and cluster-galaxy cross-correlations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3061-3081.	4.4	22
72	SEGUE-2: Old Milky Way Stars Near and Far. Astrophysical Journal, Supplement Series, 2022, 259, 60.	7.7	22

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73	A new model for including galactic winds in simulations of galaxy formation – I. Introducing the Physically Evolved Winds (PhEW) model. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2586-2604.	4.4	19
74	The distribution of $[\alpha/\text{Fe}]$ in the Milky Way disc. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5903-5920.	4.4	19
75	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
76	How Many Elements Matter?. Astrophysical Journal, 2022, 927, 209.	4.5	16
77	GALAXY THREE-POINT CORRELATION FUNCTIONS AND HALO/SUBHALO MODELS. Astrophysical Journal, 2016, 831, 3.	4.5	15
78	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
79	Covariance matrices for galaxy cluster weak lensing: from virial regime to uncorrelated large-scale structure. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2606-2626.	4.4	13
80	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
81	The robustness of cosmological hydrodynamic simulation predictions to changes in numerics and cooling physics. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2021-2046.	4.4	12
82	The Impact of Black Hole Formation on Population-averaged Supernova Yields. Astrophysical Journal, 2021, 921, 73.	4.5	12
83	The Chemical Abundance Structure of the Inner Milky Way: A Signature of ‘Upside-down’ Disk Formation. Astrophysical Journal, 2017, 849, 17.	4.5	10
84	Cosmology with Galaxy Cluster Weak Lensing: Statistical Limits and Experimental Design. Astrophysical Journal, 2021, 910, 28.	4.5	9
85	Residual Abundances in GALAH DR3: Implications for Nucleosynthesis and Identification of Unique Stellar Populations. Astrophysical Journal, 2022, 931, 23.	4.5	8
86	ASTRONOMY: Mapping the Large-Scale Structure of the Universe. Science, 2005, 309, 564-565.	12.6	6
87	The impact of wind scalings on stellar growth and the baryon cycle in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1-28.	4.4	6
88	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
89	Primordial Helium-3 Redux: The Helium Isotope Ratio of the Orion Nebula*. Astrophysical Journal, 2022, 932, 60.	4.5	5
90	A high signal-to-noise HST spectrum towards J1009+0713: precise absorption measurements in the CGM of two galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 78-98.	4.4	3

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91	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
92	Statistical Measurements of Dispersion Measure Fluctuations in Fast Radio Bursts. Astrophysical Journal Letters, 2021, 922, L31.	8.3	2
93	The Galaxy Proximity Effect in the Ly $\alpha$ Forest. AIP Conference Proceedings, 2003, , .	0.4	1
94	Bright Lyman-break galaxy candidates in the SDSS first data release. Proceedings of the International Astronomical Union, 2004, 2004, 515-516.	0.0	1