

# Matthew Bershady

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

4,635  
citations

331670

21  
h-index

289244

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

5319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
2	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
3	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
4	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299
5	The SDSS-IV MaNGA Sample: Design, Optimization, and Usage Considerations. <i>Astronomical Journal</i> , 2017, 154, 86.	4.7	277
6	SDSS-IV MaNGA IFS GALAXY SURVEY—SURVEY DESIGN, EXECUTION, AND INITIAL DATA QUALITY. <i>Astronomical Journal</i> , 2016, 152, 197.	4.7	266
7	The Data Analysis Pipeline for the SDSS-IV MaNGA IFU Galaxy Survey: Overview. <i>Astronomical Journal</i> , 2019, 158, 231.	4.7	209
8	SDSS-IV MaNGA: the impact of diffuse ionized gas on emission-line ratios, interpretation of diagnostic diagrams and gas metallicity measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3217-3243.	4.4	154
9	Suppressing star formation in quiescent galaxies with supermassive black hole winds. <i>Nature</i> , 2016, 533, 504-508.	27.8	153
10	The Data Analysis Pipeline for the SDSS-IV MaNGA IFU Galaxy Survey: Emission-line Modeling. <i>Astronomical Journal</i> , 2019, 158, 160.	4.7	134
11	HIGHEST REDSHIFT IMAGE OF NEUTRAL HYDROGEN IN EMISSION: A CHILESE DETECTION OF A STARBURSTING GALAXY AT $z = 0.376$ . <i>Astrophysical Journal Letters</i> , 2016, 824, L1.	8.3	89
12	SDSS-IV MaNGA: the spatially resolved stellar initial mass function in $\sim 1400$ early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3954-3982.	4.4	83
13	P-MaNGA: full spectral fitting and stellar population maps from prototype observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 328-360.	4.4	74
14	SDSS-IV MaStar: A Large and Comprehensive Empirical Stellar Spectral Library—First Release. <i>Astrophysical Journal</i> , 2019, 883, 175.	4.5	67
15	Low Metallicities and Old Ages for Three Ultra-diffuse Galaxies in the Coma Cluster. <i>Astrophysical Journal</i> , 2018, 859, 37.	4.5	56
16	SDSS IV MaNGA: Metallicity and ionisation parameter in local star-forming galaxies from Bayesian fitting to photoionisation models. <i>Astronomy and Astrophysics</i> , 2020, 636, A42.	5.1	53
17	SDSS-IV MaNGA: Modeling the Spectral Line-spread Function to Subpercent Accuracy. <i>Astronomical Journal</i> , 2021, 161, 52.	4.7	51
18	H $\alpha$ -MaNGA: H $\alpha$ follow-up for the MaNGA survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3396-3405.	4.4	44

#	ARTICLE	IF	CITATIONS
19	SDSS-IV MaNGA: Refining Strong Line Diagnostic Classifications Using Spatially Resolved Gas Dynamics. <i>Astrophysical Journal</i> , 2021, 915, 35.	4.5	38
20	SDSS-IV MaNGA: Star Formation Cessation in Low-redshift Galaxies. I. Dependence on Stellar Mass and Structural Properties. <i>Astrophysical Journal</i> , 2018, 856, 137.	4.5	37
21	SDSS-IV MaNGA: Variations in the N/O vs O/H Relation Bias Metallicity Gradient Measurements. <i>Astrophysical Journal Letters</i> , 2020, 890, L3.	8.3	24
22	DOES THE MILKY WAY OBEY SPIRAL GALAXY SCALING RELATIONS?. <i>Astrophysical Journal</i> , 2016, 833, 220.	4.5	21
23	Detecting Radio AGN Signatures in Red Geysers. <i>Astrophysical Journal</i> , 2018, 869, 117.	4.5	19
24	SDSS-IV MaNGA: Evidence for Enriched Accretion onto Satellite Galaxies in Dense Environments. <i>Astrophysical Journal</i> , 2019, 884, 156.	4.5	19
25	Resolved and Integrated Stellar Masses in the SDSS-IV/MaNGA Survey. II. Applications of PCA-based Stellar Mass Estimates. <i>Astrophysical Journal</i> , 2019, 883, 83.	4.5	15
26	Discovery of a Vast Ionized Gas Cloud in the M51 System. <i>Astrophysical Journal Letters</i> , 2018, 858, L16.	8.3	13
27	Spectroscopic Constraints on the Buildup of Intracluster Light in the Coma Cluster. <i>Astrophysical Journal</i> , 2020, 894, 32.	4.5	12
28	SDSS-IV MaNGA: Understanding Ionized Gas Turbulence Using Integral Field Spectroscopy of 4500 Star-forming Disk Galaxies. <i>Astrophysical Journal</i> , 2022, 928, 58.	4.5	12
29	Evidence of Wind Signatures in the Gas Velocity Profiles of Red Geysers. <i>Astrophysical Journal</i> , 2021, 913, 33.	4.5	11
30	The Effect of Bars on the Ionized ISM: Optical Emission Lines from Milky Way Analogs. <i>Astrophysical Journal</i> , 2020, 898, 116.	4.5	11
31	Resolved and Integrated Stellar Masses in the SDSS-iv/MaNGA Survey. I. PCA Spectral Fitting and Stellar Mass-to-light Ratio Estimates. <i>Astrophysical Journal</i> , 2019, 883, 82.	4.5	10
32	Galaxy Zoo: 3D “crowdsourced bar, spiral, and foreground star masks for MaNGA target galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3923-3935.	4.4	10
33	Stellar Population Synthesis with Distinct Kinematics: Multiage Asymmetric Drift in SDSS-IV MaNGA Galaxies. <i>Astrophysical Journal</i> , 2020, 901, 101.	4.5	10
34	PetroFit: A Python Package for Computing Petrosian Radii and Fitting Galaxy Light Profiles. <i>Astronomical Journal</i> , 2022, 163, 202.	4.7	6
35	Vertical Population Gradients in NGC 891. I. “Pak Instrumentation and Spectral Data. <i>Astrophysical Journal</i> , 2018, 853, 114.	4.5	5
36	Photometric Signature of Ultraharmonic Resonances in Barred Galaxies. <i>Astrophysical Journal</i> , 2022, 929, 112.	4.5	5

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37	SDSS-IV MaNGA: Exploring the Local Scaling Relations for N/O. <i>Astrophysical Journal</i> , 2022, 930, 160.	4.5	5
38	SDSS-IV MaNGA: How the Stellar Populations of Passive Central Galaxies Depend on Stellar and Halo Mass. <i>Astrophysical Journal</i> , 2022, 933, 88.	4.5	5
39	The BRAVE Program. I. Improved Bulge Stellar Velocity Dispersion Estimates for a Sample of Active Galaxies. <i>Astrophysical Journal</i> , 2017, 835, 271.	4.5	4
40	Looking at the Distant Universe with the MeerKAT Array: Discovery of a Luminous OH Megamaser at $z > 0.5$ . <i>Astrophysical Journal Letters</i> , 2022, 931, L7.	8.3	2
41	Growth and Destruction of Disks: Combined H I and H II View. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
42	The Evolution of the Luminosity Function for Luminous Compact Blue Galaxies to $z = 1$ . <i>Astrophysical Journal</i> , 2021, 909, 49.	4.5	0