

# Brice MÃ©nard

## List of Publications by Year in descending order

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66  
papers

13,373  
citations

81900

39  
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98798

67  
g-index

68  
all docs

68  
docs citations

68  
times ranked

9938  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Thermal and Gravitational Energy Densities in the Large-scale Structure of the Universe. <i>Astrophysical Journal</i> , 2021, 910, 32.	4.5	6
2	Extracting the Main Trend in a Data Set: The Sequencer Algorithm. <i>Astrophysical Journal</i> , 2021, 916, 91.	4.5	6
3	Sequencing seismograms: A panoptic view of scattering in the core-mantle boundary region. <i>Science</i> , 2020, 368, 1223-1228.	12.6	33
4	A new approach to observational cosmology using the scattering transform. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5902-5914.	4.4	54
5	Double White Dwarf Merger Products among High-mass White Dwarfs. <i>Astrophysical Journal</i> , 2020, 891, 160.	4.5	41
6	The Cosmic Thermal History Probed by Sunyaev-Zeldovich Effect Tomography. <i>Astrophysical Journal</i> , 2020, 902, 56.	4.5	36
7	Black hole mass estimation for active galactic nuclei from a new angle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3404-3418.	4.4	34
8	Broadband Intensity Tomography: Spectral Tagging of the Cosmic UV Background. <i>Astrophysical Journal</i> , 2019, 877, 150.	4.5	20
9	Extragalactic Imprints in Galactic Dust Maps. <i>Astrophysical Journal</i> , 2019, 870, 120.	4.5	29
10	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451
11	Overview of the DESI Legacy Imaging Surveys. <i>Astronomical Journal</i> , 2019, 157, 168.	4.7	825
12	A Cooling Anomaly of High-mass White Dwarfs. <i>Astrophysical Journal</i> , 2019, 886, 100.	4.5	79
13	Extreme Circumgalactic H i and C iii Absorption around the Most Massive, Quenched Galaxies. <i>Astrophysical Journal</i> , 2018, 867, 106.	4.5	6
14	On the limitations of statistical absorption studies with the Sloan Digital Sky Surveys III. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3520-3529.	4.4	4
15	The BOSS Emission-line Lens Survey. V. Morphology and Substructure of Lensed Ly $\pm$ Emitters at Redshift $z \sim 2.5$ in the BELLS GALLERY. <i>Astrophysical Journal</i> , 2018, 853, 148.	4.5	23
16	Clustering of Mg ii absorption line systems around massive galaxies: an important constraint on feedback processes in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3737-3745.	4.4	9
17	Testing galaxy formation models with galaxy stellar mass functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3256-3270.	4.4	13
18	THE BOSS EMISSION-LINE LENS SURVEY. III. STRONG LENSING OF Ly $\pm$ EMITTERS BY INDIVIDUAL GALAXIES. <i>Astrophysical Journal</i> , 2016, 824, 86.	4.5	55

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19	THE BOSS EMISSION-LINE LENS SURVEY. IV. SMOOTH LENS MODELS FOR THE BELLS GALLERY SAMPLE*. Astrophysical Journal, 2016, 833, 264.	4.5	68
20	HYDROGEN EMISSION FROM THE IONIZED GASEOUS HALOS OF LOW-REDSHIFT GALAXIES. Astrophysical Journal, 2016, 833, 276.	4.5	24
21	Exploring the SDSS photometric galaxies with clustering redshifts. Monthly Notices of the Royal Astronomical Society, 2016, 460, 163-174.	4.4	31
22	The galaxy luminosity function in groups and clusters: the faint-end upturn and the connection to the field luminosity function. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3998-4019.	4.4	56
23	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. Astronomical Journal, 2016, 151, 44.	4.7	582
24	Exploring the 2MASS extended and point source catalogues with clustering redshifts. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3912-3921.	4.4	26
25	Exploring the diffuse interstellar bands with the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3629-3649.	4.4	56
26	DUST IN THE CIRCUMGALACTIC MEDIUM OF LOW-REDSHIFT GALAXIES. Astrophysical Journal, 2015, 813, 7.	4.5	64
27	Calcium H&K and sodium D absorption induced by the interstellar and circumgalactic media of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2015, 452, 511-519.	4.4	28
28	Clustering-based redshift estimation: comparison to spectroscopic redshifts. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3500-3511.	4.4	51
29	THE NATURE OF DAMPED LYMAN- $\alpha$ AND Mg II ABSORBERS EXPLORED THROUGH THEIR DUST CONTENTS. Astrophysical Journal, 2015, 799, 195.	4.5	10
30	Inferring the redshift distribution of the cosmic infrared background... Monthly Notices of the Royal Astronomical Society, 2015, 446, 2696-2708.	4.4	38
31	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12.	7.7	1,877
32	Spectroscopic needs for imaging dark energy experiments. Astroparticle Physics, 2015, 63, 81-100.	4.3	66
33	The large-scale distribution of cool gas around luminous red galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 439, 3139-3155.	4.4	73
34	The Giant Gemini GMOS survey of $z \approx 4.4$ quasars. I. Measuring the mean free path across cosmic time. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1745-1760.	4.4	146
35	THE PROPERTIES OF THE COOL CIRCUMGALACTIC GAS PROBED WITH THE SDSS, WISE, AND GALEX SURVEYS. Astrophysical Journal, 2014, 795, 31.	4.5	62
36	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

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37	Recovering redshift distributions with cross-correlations: pushing the boundaries. Monthly Notices of the Royal Astronomical Society, 2013, 431, 3307-3318.	4.4	75
38	THE JHU-SDSS METAL ABSORPTION LINE CATALOG: REDSHIFT EVOLUTION AND PROPERTIES OF Mg II ABSORBERS. Astrophysical Journal, 2013, 770, 130.	4.5	140
39	AN INDEPENDENT MEASUREMENT OF THE INCIDENCE OF Mg II ABSORBERS ALONG GAMMA-RAY BURST SIGHT LINES: THE END OF THE MYSTERY?. Astrophysical Journal, 2013, 773, 82.	4.5	13
40	Near-IR Diffuse Interstellar Bands in SDSS-III APOGEE Spectra. Proceedings of the International Astronomical Union, 2013, 9, 68-73.	0.0	1
41	CALCIUM H & K INDUCED BY GALAXY HALOS. Astrophysical Journal, 2013, 773, 16.	4.5	38
42	COSMIC DUST IN Mg II ABSORBERS. Astrophysical Journal, 2012, 754, 116.	4.5	75
43	Tomographic magnification of Lyman-break galaxies in the Deep Lens Survey. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2489-2499.	4.4	35
44	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
45	ON THE LINK BETWEEN ASSOCIATED Mg II ABSORBERS AND STAR FORMATION IN QUASAR HOSTS. Astrophysical Journal, 2012, 748, 131.	4.5	38
46	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
47	LOW-IONIZATION LINE EMISSION FROM A STARBURST GALAXY: A NEW PROBE OF A GALACTIC-SCALE OUTFLOW. Astrophysical Journal, 2011, 728, 55.	4.5	93
48	RADIATION PRESSURE FROM MASSIVE STAR CLUSTERS AS A LAUNCHING MECHANISM FOR SUPER-GALACTIC WINDS. Astrophysical Journal, 2011, 735, 66.	4.5	223
49	Large-scale outflows from $\sim 0.7$ starburst galaxies identified via ultrastrong Mg II quasar absorption lines. Monthly Notices of the Royal Astronomical Society, 2011, 412, 1559-1572.	4.4	82
50	Probing star formation across cosmic time with absorption-line systems. Monthly Notices of the Royal Astronomical Society, 2011, 417, 801-811.	4.4	84
51	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2011, 193, 29.	7.7	1,166
52	Photometric redshifts: estimating their contamination and distribution using clustering information. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1168-1180.	4.4	43
53	On the H $\beta$ content, dust-to-gas ratio and nature of Mg II absorbers. Monthly Notices of the Royal Astronomical Society, 2009, 393, 808-815.	4.4	64
54	Lensing, reddening and extinction effects of Mg II absorbers from $z = 0.4$ to 2. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1053-1066.	4.4	83

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55	On the Connection between Metal Absorbers and Quasar Nebulae. <i>Astrophysical Journal</i> , 2008, 683, 55-69.	4.5	25
56	Optical Properties and Spatial Distribution of MgII Absorbers from SDSS Image Stacking. <i>Astrophysical Journal</i> , 2007, 658, 161-184.	4.5	104
57	The Small-Scale Environment of Quasars. <i>Astrophysical Journal</i> , 2006, 643, 68-74.	4.5	92
58	QSO Absorption Lines from QSO s. <i>Astrophysical Journal</i> , 2006, 645, L105-L108.	4.5	53
59	Average extinction curves and relative abundances for quasi-stellar object absorption-line systems at $1 < z < 2$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 945-978.	4.4	179
60	Constraining the Photometric Properties of Mg II -absorbing Galaxies with the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2005, 631, L105-L108.	4.5	23
61	Microlensing of Circumstellar Disks. <i>Astrophysical Journal</i> , 2005, 635, 599-607.	4.5	6
62	Detection of Cosmic Magnification with the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2005, 633, 589-602.	4.5	204
63	Detecting and Interpreting Statistical Lensing by Absorbers. <i>Astrophysical Journal</i> , 2005, 630, 28-37.	4.5	13
64	Revisiting the magnification of type Ia supernovae with SDSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 358, 101-104.	4.4	22
65	The Third Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2005, 129, 1755-1759.	4.7	634
66	The environmental dependence of the relations between stellar mass, structure, star formation and nuclear activity in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 353, 713-731.	4.4	1,054