

Avery Avery Meiksin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Using the SEIR model to constrain the role of contaminated fomites in spreading an epidemic: An application to COVID-19 in the UK. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 3564-3590.	1.0	4
2	Modelling intergalactic low ionization metal absorption line systems near the epoch of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 888-903.	1.6	0
3	Intergalactic Heating by Ly α Photons Including Hyperfine Structure Corrections. <i>Research Notes of the AAS</i> , 2021, 5, 126.	0.3	5
4	Radio Power from Direct-collapse Black Holes. <i>Astrophysical Journal Letters</i> , 2021, 922, L39.	3.0	7
5	Dynamics of COVID-19 transmission including indirect transmission mechanisms: a mathematical analysis. <i>Epidemiology and Infection</i> , 2020, 148, e257.	1.0	29
6	The influence of metagalactic ultraviolet background fluctuations on the high-redshift Ly α forest. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4884-4893.	1.6	14
7	The impact of Ly α emission line heating and cooling on the cosmic dawn 21-cm signal. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1920-1932.	1.6	4
8	Estimates for the impact of ultraviolet background fluctuations on galaxy clustering measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5059-5072.	1.6	11
9	Time-dependent fluctuations in the metagalactic photoionization background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 4777-4797.	1.6	12
10	The Sherwood simulation suite: overview and data comparisons with the Lyman α forest at redshifts 2 $\leq z < 5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 897-914.	1.6	119
11	Galactic wind X-ray heating of the intergalactic medium during the Epoch of Reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3632-3645.	1.6	6
12	The Neutral Hydrogen Cosmological Mass Density at $z = 5$. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 309-314.	0.0	1
13	Constraints on galactic wind models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2762-2776.	1.6	8
14	The neutral hydrogen cosmological mass density at $z = 5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 217-234.	1.6	135
15	Gas around galaxy haloes II. Hydrogen absorption signatures from the environments of galaxies at redshifts $2 \leq z < 3$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 899-913.	1.6	15
16	CHARACTERISTICS OF He II PROXIMITY PROFILES. <i>Astrophysical Journal</i> , 2015, 806, 142.	1.6	15
17	The effect of cosmic magnetic fields on the metagalactic ionization background inferred from the Lyman α forest. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 3639-3646.	1.6	12
18	The Giant Gemini GMOS survey of $z \geq 4.4$ quasars I. Measuring the mean free path across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1745-1760.	1.6	146

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19	Gas around galaxy haloes: methodology comparisons using hydrodynamical simulations of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2462-2475.	1.6	9
20	The Ly α forest and the Cosmic Web. <i>Proceedings of the International Astronomical Union</i> , 2014, 11, 347-359.	0.0	0
21	Reionization and the Cosmic Dawn with the Square Kilometre Array. <i>Experimental Astronomy</i> , 2013, 36, 235-318.	1.6	255
22	The radio signatures of the first supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 2854-2863.	1.6	25
23	THE SUPERNOVA THAT DESTROYED A PROTOGALAXY: PROMPT CHEMICAL ENRICHMENT AND SUPERMASSIVE BLACK HOLE GROWTH. <i>Astrophysical Journal</i> , 2013, 774, 64.	1.6	42
24	<i>HST</i> /COS OBSERVATIONS OF THIRTEEN NEW He II QUASARS. <i>Astronomical Journal</i> , 2012, 143, 100.	1.9	32
25	Infrared emission-line tomography of the intergalactic medium during the epoch of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2129-2136.	1.6	2
26	The scattering of Ly α radiation in the intergalactic medium: numerical methods and solutions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2380-2403.	1.6	14
27	The impact of helium reionization on the structure of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 7-25.	1.6	34
28	<i>HUBBLE SPACE TELESCOPE</i> SPECTRAL OBSERVATIONS NEAR THE He II Ly α BREAK: IMPLICATIONS FOR He II REIONIZATION. <i>Astrophysical Journal</i> , 2011, 726, 111.	1.6	22
29	He II Ly α ² GUNN-PETERSON ABSORPTION: NEW <i>HST</i> OBSERVATIONS AND THEORETICAL EXPECTATIONS. <i>Astrophysical Journal</i> , 2011, 742, 99.	1.6	18
30	The micro-structure of the intergalactic medium - I. The 21 cm signature from dynamical minihaloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1480-1509.	1.6	21
31	Helium reionization and the thermal proximity effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 77-87.	1.6	20
32	Baryon acoustic oscillations in the Sloan Digital Sky Survey Data Release 7 galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2148-2168.	1.6	1,400
33	The impact of Lyman series photons on the intergalactic medium during the Epoch of Reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1780-1795.	1.6	6
34	Cosmological constraints from the clustering of the Sloan Digital Sky Survey DR7 luminous red galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	1.6	221
35	A HIGH YIELD OF NEW SIGHTLINES FOR THE STUDY OF INTERGALACTIC HELIUM: FAR-UV-BRIGHT QUASARS FROM THE SDSS, <i>GALEX</i> , AND <i>HST</i> . <i>Astrophysical Journal</i> , 2009, 690, 1181-1192.	1.6	32
36	The Wouthuysen-Field effect in a clumpy intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 949-958.	1.6	8

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37	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 543-558.	3.0	4,201
38	TEN MORE NEW SIGHTLINES FOR THE STUDY OF INTERGALACTIC HELIUM, AND HUNDREDS OF FAR-ULTRAVIOLET-BRIGHT QUASARS, FROM THE SLOAN DIGITAL SKY SURVEY, <i>GALAXY EVOLUTION EXPLORER</i> , AND <i>HUBBLE SPACE TELESCOPE</i> . <i>Astrophysical Journal, Supplement Series</i> , 2009, 185, 20-31.	3.0	23
39	Radiative Transfer Through the Intergalactic Medium. , 2009, , 271-277.		0
40	The Sixth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2008, 175, 297-313.	3.0	1,202
41	Intergalactic He II Absorption in the Spectra of Quasars at Redshifts 3.5 and 3.8, Observed with the <i>HST</i> ACS Prism. <i>Astrophysical Journal</i> , 2008, 686, 195-200.	1.6	24
42	Average Properties of a Large Sample of $z \sim 1/4$ Associated Mg II Absorption Line Systems. <i>Astrophysical Journal</i> , 2008, 679, 239-259.	1.6	35
43	Luminosity Function Constraints on the Evolution of Massive Red Galaxies since $z \sim 0.9$. <i>Astrophysical Journal</i> , 2008, 682, 919-936.	1.6	76
44	Measuring the Matter Density Using Baryon Oscillations in the SDSS. <i>Astrophysical Journal</i> , 2007, 657, 51-55.	1.6	131
45	The Shape of the Sloan Digital Sky Survey Data Release 5 Galaxy Power Spectrum. <i>Astrophysical Journal</i> , 2007, 657, 645-663.	1.6	224
46	Properties of luminous red galaxies in the Sloan Digital Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 787-805.	1.6	13
47	Reionization scenarios and the temperature of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 380, 1369-1386.	1.6	59
48	The Fourth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2006, 162, 38-48.	3.0	948
49	The Sloan Digital Sky Survey Quasar Survey: Quasar Luminosity Function from Data Release 3. <i>Astronomical Journal</i> , 2006, 131, 2766-2787.	1.9	701
50	The possible detection of high-redshift Type II QSOs in deep fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 365, 833-841.	1.6	6
51	Colour corrections for high-redshift objects due to intergalactic attenuation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 365, 807-812.	1.6	107
52	Energy transfer by the scattering of resonant photons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 2025-2037.	1.6	22
53	The 2dF-SDSS LRG and QSO (2SLAQ) Luminous Red Galaxy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 425-442.	1.6	153
54	The Intermediate Scale Clustering of Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2005, 621, 22-31.	1.6	179

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55	The Luminosity and Color Dependence of the Galaxy Correlation Function. <i>Astrophysical Journal</i> , 2005, 630, 1-27.	1.6	653
56	The Small-Scale Clustering of Luminous Red Galaxies via Cross-Correlation Techniques. <i>Astrophysical Journal</i> , 2005, 619, 178-192.	1.6	43
57	An Empirical Calibration of the Completeness of the SDSS Quasar Survey. <i>Astronomical Journal</i> , 2005, 129, 2047-2061.	1.9	77
58	The Sloan Digital Sky Survey QSO absorption line catalogue. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 58-64.	0.0	0
59	Progress in studies of intergalactic He II absorption. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 484-486.	0.0	1
60	Constraints on the ionization sources of the high-redshift intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 596-606.	1.6	83
61	The 2dF-SDSS LRG and QSO (2SLAQ) Survey: the $z < 2.1$ quasar luminosity function from 5645 quasars to $z = 21.85$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 839-852.	1.6	183
62	Detection of the Baryon Acoustic Peak in the Large-Scale Correlation Function of SDSS Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2005, 633, 560-574.	1.6	3,564
63	The Third Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2005, 129, 1755-1759.	1.9	634
64	The effects of ultraviolet background correlations on Ly α forest flux statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 1107-1126.	1.6	101
65	A library of high-resolution Kurucz spectra in the range $\lambda = 3000-10\,000$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 351, 1430-1438.	1.6	25
66	On Departures from a Power Law in the Galaxy Correlation Function. <i>Astrophysical Journal</i> , 2004, 608, 16-24.	1.6	253
67	Sloan Digital Sky Survey Imaging of Low Galactic Latitude Fields: Technical Summary and Data Release. <i>Astronomical Journal</i> , 2004, 128, 2577-2592.	1.9	73
68	Cosmological Parameters Ω_b , the Baryon Density Ω_b , the Vacuum Energy Density Ω_Λ , the Hubble Constant and the UV Background Intensity from a Calibrated Measurement of Ly α Absorption at $z = 1.9$. <i>Astrophysical Journal</i> , 2004, 617, 1-28.	1.6	104
69	The Second Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2004, 128, 502-512.	1.9	953
70	Cosmological Feedback from High-Redshift Dwarf Galaxies. <i>Astrophysical Journal</i> , 2004, 613, 159-179.	1.6	57
71	Cosmological Parameters from Eigenmode Analysis of Sloan Digital Sky Survey Galaxy Redshifts. <i>Astrophysical Journal</i> , 2004, 607, 655-660.	1.6	211
72	Constraints on the ultraviolet metagalactic emissivity using the Ly α forest. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 342, 1205-1214.	1.6	58

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73	The First Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 126, 2081-2086.	1.9	800
74	The Galaxy Luminosity Function and Luminosity Density at Redshift $z = 0.1$. <i>Astrophysical Journal</i> , 2003, 592, 819-838.	1.6	898
75	Karhunen&Looe Estimation of the Power Spectrum Parameters from the Angular Distribution of Galaxies in Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2003, 591, 1-11.	1.6	65
76	The Sloan Digital Sky Survey: The Cosmic Spectrum and Star Formation History. <i>Astrophysical Journal</i> , 2003, 587, 55-70.	1.6	50
77	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 485-548.	1.9	2,003
78	The Sloan Digital Sky Survey 1-Dimensional Spectroscopic Pipeline. , 2002, , .		23
79	Signatures of HI in the Early Universe: The End of the Dark Ages. <i>Symposium - International Astronomical Union</i> , 2002, 199, 71-78.	0.1	0
80	The Sloan Digital Sky Survey Quasar Catalog. I. Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 567-577.	1.9	141
81	Higher Order Moments of the Angular Distribution of Galaxies from Early Sloan Digital Sky Survey Data. <i>Astrophysical Journal</i> , 2002, 570, 75-85.	1.6	38
82	Galaxy Clustering in Early Sloan Digital Sky Survey Redshift Data. <i>Astrophysical Journal</i> , 2002, 571, 172-190.	1.6	520
83	Colors of 2625 Quasars at $0 < z < 5$ Measured in the Sloan Digital Sky Survey Photometric System. <i>Astronomical Journal</i> , 2001, 121, 2308-2330.	1.9	190
84	The First Hour of Extragalactic Data of the Sloan Digital Sky Survey Spectroscopic Commissioning: The Coma Cluster. <i>Astronomical Journal</i> , 2001, 121, 2331-2357.	1.9	51
85	Particle-mesh simulations of the Ly α forest. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 324, 141-148.	1.6	51
86	Hydrodynamical simulations of the Ly α forest: data comparisons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 296-322.	1.6	41
87	Composite Quasar Spectra from the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2001, 122, 549-564.	1.9	1,494
88	The Luminosity Function of Galaxies in SDSS Commissioning Data. <i>Astronomical Journal</i> , 2001, 121, 2358-2380.	1.9	545
89	The Sloan Digital Sky Survey: Technical Summary. <i>Astronomical Journal</i> , 2000, 120, 1579-1587.	1.9	8,099
90	The lyman alpha forest in hierarchical cosmologies. , 1999, , .		1

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91	Physical Properties of the Ly α Forest in a Cold Dark Matter Cosmology. <i>Astrophysical Journal</i> , 1998, 495, 63-79.	1.6	109
92	21 Centimeter Tomography of the Intergalactic Medium at High Redshift. <i>Astrophysical Journal</i> , 1997, 475, 429-444.	1.6	615
93	Spectral Analysis of the Ly α Forest in a Cold Dark Matter Cosmology. <i>Astrophysical Journal</i> , 1997, 485, 496-516.	1.6	119
94	Lyman-Alpha Forest Correlations Using Neighbor Counts. <i>Astrophysical Journal</i> , 1995, 448, .	1.6	11
95	Gas around galaxy haloes - III: hydrogen absorption signatures around galaxies and QSOs in the Sherwood simulation suite. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx191.	1.6	9