

Adam B Mantz

List of Publications by Year in descending order

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87
papers

6,840
citations

71004

43
h-index

71088

80
g-index

87
all docs

87
docs citations

87
times ranked

3965
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Relativistic Sunyaev-Zeldovich Correction in RX J1347.5-1145. <i>Astrophysical Journal</i> , 2022, 932, 55.	1.6	2
2	Measuring $\langle i \rangle H_0$ using X-ray and SZ effect observations of dynamically relaxed galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1062-1076.	1.6	11
3	Spectroscopic quantification of projection effects in the SDSS redMaPPer galaxy cluster catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 33-44.	1.6	12
4	The history of metal enrichment traced by X-ray observations of high-redshift galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5195-5204.	1.6	6
5	Quiescent galaxies in a virialized cluster at redshift 2: evidence for accelerated size growth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5272-5280.	1.6	8
6	Cosmological constraints from gas mass fractions of massive, relaxed galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 131-145.	1.6	25
7	Spectroscopic confirmation of a mature galaxy cluster at a redshift of 2. <i>Nature</i> , 2020, 577, 39-41.	13.7	27
8	Deep XMM-Newton observations of the most distant SPT-SZ galaxy cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1554-1564.	1.6	12
9	The environmental dependence of X-ray AGN activity at $z \sim 0.4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4095-4108.	1.6	7
10	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. <i>Physical Review D</i> , 2020, 102, .	1.6	140
11	A Multiwavelength Study of the Cool Core Cluster MACS J1447.4+0827. <i>Astronomical Journal</i> , 2020, 160, 103.	1.9	8
12	Methods for cluster cosmology and application to the SDSS in preparation for DES Year 1 release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4779-4800.	1.6	82
13	Mass variance from archival X-ray properties of Dark Energy Survey Year-1 galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3341-3354.	1.6	15
14	Spectroscopic Confirmation of Five Galaxy Clusters at $z \geq 1.25$ in the 2500 deg ² SPT-SZ Survey. <i>Astrophysical Journal</i> , 2019, 870, 7.	1.6	18
15	Dark Energy Surveyed Year 1 results: calibration of cluster mis-centring in the redMaPPer catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2578-2593.	1.6	44
16	Cluster Cosmology Constraints from the 2500 deg ² SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019, 878, 55.	1.6	211
17	Coping with selection effects: a Primer on regression with truncated data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4863-4872.	1.6	13
18	Constraints on the Thermal Contents of the X-Ray Cavities of Cluster MS 0735.6+7421 with Sunyaev-Zeldovich Effect Observations. <i>Astrophysical Journal</i> , 2019, 871, 195.	1.6	28

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19	The Massive and Distant Clusters of <i>WISE</i> Survey. I. Survey Overview and a Catalog of ~ 2000 Galaxy Clusters at $z < 1$. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 33.	3.0	50
20	Modelling projection effects in optically selected cluster catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 490-505.	1.6	48
21	Galaxy populations in the most distant SPT-SZ clusters. <i>Astronomy and Astrophysics</i> , 2019, 622, A117.	2.1	45
22	Sunyaev-Zeldovich effect and X-ray scaling relations from weak lensing mass calibration of 32 South Pole Telescope selected galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2871-2906.	1.6	60
23	Ellipticity of brightest cluster galaxies as tracer of halo orientation and weak-lensing mass bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4889-4897.	1.6	12
24	A Detailed Study of the Most Relaxed SPT-selected Galaxy Clusters: Properties of the Cool Core and Central Galaxy. <i>Astrophysical Journal</i> , 2019, 870, 85.	1.6	10
25	Cold dark energy constraints from the abundance of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3882-3894.	1.6	14
26	Centre-excised X-ray luminosity as an efficient mass proxy for future galaxy cluster surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3072-3079.	1.6	21
27	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A2.	2.1	34
28	Thermodynamic profiles of galaxy clusters from a joint X-ray/SZ analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 749-792.	1.6	17
29	Cluster mass calibration at high redshift: HST weak lensing analysis of 13 distant galaxy clusters from the South Pole Telescope Sunyaev-Zeldovich Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2635-2678.	1.6	77
30	The Remarkable Similarity of Massive Galaxy Clusters from $z \sim 0$ to $z \sim 1.9$. <i>Astrophysical Journal</i> , 2017, 843, 28.	1.6	106
31	A uniform metallicity in the outskirts of massive, nearby galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4583-4599.	1.6	64
32	Witnessing the growth of the nearest galaxy cluster: thermodynamics of the Virgo Cluster outskirts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1476-1495.	1.6	61
33	The metallicity of the intracluster medium over cosmic time: further evidence for early enrichment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2877-2888.	1.6	46
34	A series of shocks and edges in Abell 2219. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2896-2909.	1.6	16
35	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 95.	1.6	179
36	Weighing the giants V. Galaxy cluster scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3582-3603.	1.6	110

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55	THE XXL SURVEY. V. DETECTION OF THE SUNYAEV-ZEL'DOVICH EFFECT OF THE REDSHIFT 1.9 GALAXY CLUSTER XLSSU J021744.1â€“034536 WITH CARMA. <i>Astrophysical Journal</i> , 2014, 794, 157.	1.6	35
56	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2014, 792, 45.	1.6	103
57	THE REDSHIFT EVOLUTION OF THE MEAN TEMPERATURE, PRESSURE, AND ENTROPY PROFILES IN 80 SPT-SELECTED GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 794, 67.	1.6	90
58	Robust weak-lensing mass calibration of Planck galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1973-1978.	1.6	186
59	Cosmology and astrophysics from relaxed galaxy clusters â€“ II. Cosmological constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2077-2098.	1.6	181
60	Weighing the Giants â€“ I. Weak-lensing masses for 51 massive galaxy clusters: project overview, data analysis methods and cluster images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2-27.	1.6	201
61	Weighing the Giants â€“ II. Improved calibration of photometry from stellar colours and accurate photometric redshifts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 28-47.	1.6	71
62	Weighing the Giants â€“ III. Methods and measurements of accurate galaxy cluster weak-lensing masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 48-72.	1.6	205
63	Constraints on the CMB temperature evolution using multiband measurements of the Sunyaevâ€“Zel'dovich effect with the South Pole Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2610-2615.	1.6	51
64	THERMODYNAMICS OF THE COMA CLUSTER OUTSKIRTS. <i>Astrophysical Journal</i> , 2013, 775, 4.	1.6	68
65	THE GROWTH OF COOL CORES AND EVOLUTION OF COOLING PROPERTIES IN A SAMPLE OF 83 GALAXY CLUSTERS AT 0.3 <i>z</i> < i> < /i> < i> < /i> 1.2 SELECTED FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013, 774, 23.	1.6	144
66	A MEASUREMENT OF THE KINETIC SUNYAEV-ZEL'DOVICH SIGNAL TOWARD MACS J0717.5+3745. <i>Astrophysical Journal</i> , 2013, 778, 52.	1.6	70
67	CARMA MEASUREMENTS OF THE SUNYAEV-ZEL'DOVICH EFFECT IN RX J1347.5â€“1145. <i>Astrophysical Journal</i> , 2013, 770, 112.	1.6	28
68	A combined measurement of cosmic growth and expansion from clusters of galaxies, the CMB and galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 973-985.	1.6	35
69	X-ray bright active galactic nuclei in massive galaxy clusters â€“ I. Number counts and spatial distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 3509-3525.	1.6	38
70	THE CONTRIBUTION OF RADIO GALAXY CONTAMINATION TO MEASUREMENTS OF THE SUNYAEV-ZEL'DOVICH DECREMENT IN MASSIVE GALAXY CLUSTERS AT 140 GHz WITH BOLOCAM. <i>Astrophysical Journal</i> , 2013, 764, 152.	1.6	25
71	SPT-CL J0205â€“5829: A < i> z < /i> = 1.32 EVOLVED MASSIVE GALAXY CLUSTER IN THE SOUTH POLE TELESCOPE SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 93.	1.6	54
72	COSMOLOGICAL CONSTRAINTS FROM SUNYAEVâ€“ZEL'DOVICH-SELECTED CLUSTERS WITH X-RAY OBSERVATIONS IN THE FIRST 178 deg < sup> 2 < /sup> OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 147.	1.6	206

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73	SUNYAEV-ZEL'DOVICH-MEASURED PRESSURE PROFILES FROM THE BOLOCAM X-RAY/SZ GALAXY CLUSTER SAMPLE. <i>Astrophysical Journal</i> , 2013, 768, 177.	1.6	88
74	LARGE-SCALE MOTIONS IN THE PERSEUS GALAXY CLUSTER. <i>Astrophysical Journal</i> , 2012, 757, 182.	1.6	64
75	WEAK-LENSING MASS MEASUREMENTS OF FIVE GALAXY CLUSTERS IN THE SOUTH POLE TELESCOPE SURVEY USING MAGELLAN/MEGACAM. <i>Astrophysical Journal</i> , 2012, 758, 68.	1.6	42
76	JOINT ANALYSIS OF X-RAY AND SUNYAEV-ZEL'DOVICH OBSERVATIONS OF GALAXY CLUSTERS USING AN ANALYTIC MODEL OF THE INTRACLUSTER MEDIUM. <i>Astrophysical Journal</i> , 2012, 748, 113.	1.6	7
77	Baryons at the Edge of the X-ray Brightest Galaxy Cluster. <i>Science</i> , 2011, 331, 1576-1579.	6.0	231
78	Cosmological Parameters from Observations of Galaxy Clusters. <i>Annual Review of Astronomy and Astrophysics</i> , 2011, 49, 409-470.	8.1	809
79	The X-ray brightest clusters of galaxies from the Massive Cluster Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 83-93.	1.6	179
80	Constraining gravity at large scales with X-ray galaxy cluster studies. <i>EAS Publications Series</i> , 2009, 36, 149-151.	0.3	0
81	Constraints on modified gravity from the observed X-ray luminosity function of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 699-704.	1.6	36
82	New constraints on dark energy from the observed growth of the most X-ray luminous galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 1179-1192.	1.6	150
83	The prospects for constraining dark energy with future X-ray cluster gas mass fraction measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1265-1278.	1.6	26
84	The observed growth of massive galaxy clusters - IV. Robust constraints on neutrino properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , no-no.	1.6	24
85	The observed growth of massive galaxy clusters - I. Statistical methods and cosmological constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , no-no.	1.6	156
86	The observed growth of massive galaxy clusters - II. X-ray scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , no-no.	1.6	120
87	The observed growth of massive galaxy clusters - III. Testing general relativity on cosmological scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , no-no.	1.6	34