Adam B Mantz

List of Publications by Year
in descending order

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87 papers	6,840 citations	61977 43 h-index	62593 80 g-index
87 all docs	87 docs citations	87 times ranked	3676 citing authors

#	Article	IF	Citations
1	Measurement of the Relativistic Sunyaevâ€“Zeldovich Correction in RX J1347.5-1145. Astrophysical Journal, 2022, 932, 55.	4.5	2
2	Measuring H0 using X-ray and SZ effect observations of dynamically relaxed galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1062-1076.	4.4	11
3	Spectroscopic quantification of projection effects in the SDSS redMaPPer galaxy cluster catalogue. Monthly Notices of the Royal Astronomical Society, 2021, 505, 33-44.	4.4	12
4	The history of metal enrichment traced by X-ray observations of high-redshift galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5195-5204.	4.4	6
5	Quiescent galaxies in a virialized cluster at redshift 2: evidence for accelerated size growth. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5272-5280.	4.4	8
6	Cosmological constraints from gas mass fractions of massive, relaxed galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 510, 131-145.	4.4	25
7	Spectroscopic confirmation of a mature galaxy cluster at aÂredshift of 2. Nature, 2020, 577, 39-41.	27.8	27
8	Deep XMMâ€“Newton observations of the most distant SPT-SZ galaxy cluster. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1554-1564.	4.4	12
9	The environmental dependence of X-ray AGN activity at z âˆ¼ 0.4. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4095-4108.	4.4	7
10	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. Physical Review D, 2020, 102, .	4.7	140
11	A Multiwavelength Study of the Cool Core Cluster MACS J1447.4+0827. Astronomical Journal, 2020, 160, 103.	4.7	8
12	Methods for cluster cosmology and application to the SDSS in preparation for DES Year 1 release. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4779-4800.	4.4	82
13	Mass variance from archival X-ray properties of Dark Energy Survey Year-1 galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3341-3354.	4.4	15
14	Spectroscopic Confirmation of Five Galaxy Clusters at zÂ>Â1.25 in the 2500 deg² SPT-SZ Survey. Astrophysical Journal, 2019, 870, 7.	4.5	18
15	Dark Energy Surveyed Year 1 results: calibration of cluster mis-centring in the redMaPPer catalogues. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2578-2593.	4.4	44
16	Cluster Cosmology Constraints from the 2500 deg² SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. Astrophysical Journal, 2019, 878, 55.	4.5	211
17	Coping with selection effects: a Primer on regression with truncated data. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4863-4872.	4.4	13
18	Constraints on the Thermal Contents of the X-Ray Cavities of Cluster MS 0735.6+7421 with Sunyaevâ€“Zelâ€™dovich Effect Observations. Astrophysical Journal, 2019, 871, 195.	4.5	28

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19	The Massive and Distant Clusters of WISE Survey. I. Survey Overview and a Catalog of >2000 Galaxy Clusters at z â‰ƒ 1. Astrophysical Journal, Supplement Series, 2019, 240, 33.	7.7	50
20	Modelling projection effects in optically selected cluster catalogues. Monthly Notices of the Royal Astronomical Society, 2019, 482, 490-505.	4.4	48
21	Galaxy populations in the most distant SPT-SZ clusters. Astronomy and Astrophysics, 2019, 622, A117.	5.1	45
22	Sunyaevâ€“Zelâ€™dovich effect and X-ray scaling relations from weak lensing mass calibration of 32 South Pole Telescope selected galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2871-2906.	4.4	60
23	Ellipticity of brightest cluster galaxies as tracer of halo orientation and weak-lensing mass bias. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4889-4897.	4.4	12
24	A Detailed Study of the Most Relaxed SPT-selected Galaxy Clusters: Properties of the Cool Core and Central Galaxy. Astrophysical Journal, 2019, 870, 85.	4.5	10
25	Cold dark energy constraints from the abundance of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3882-3894.	4.4	14
26	Centre-excised X-ray luminosity as an efficient mass proxy for future galaxy cluster surveys. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3072-3079.	4.4	21
27	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A2.	5.1	34
28	Thermodynamic profiles of galaxy clusters from a joint X-ray/SZ analysis. Monthly Notices of the Royal Astronomical Society, 2018, 481, 749-792.	4.4	17
29	Cluster mass calibration at high redshift: HST weak lensing analysis of 13 distant galaxy clusters from the South Pole Telescope Sunyaevâ€“Zel'dovich Survey. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2635-2678.	4.4	77
30	The Remarkable Similarity of Massive Galaxy Clusters from zÂâˆ¼Â0 to zÂâˆ¼Â1.9. Astrophysical Journal, 2017, 843, 28.	4.5	106
31	A uniform metallicity in the outskirts of massive, nearby galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4583-4599.	4.4	64
32	Witnessing the growth of the nearest galaxy cluster: thermodynamics of the Virgo Cluster outskirts. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1476-1495.	4.4	61
33	The metallicity of the intracluster medium over cosmic time: further evidence for early enrichment. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2877-2888.	4.4	46
34	A series of shocks and edges in Abell 2219. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2896-2909.	4.4	16
35	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, 2016, 832, 95.	4.5	179
36	Weighing the giantsâ€“ V. Galaxy cluster scaling relations. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3582-3603.	4.4	110

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37	A COMPARISON AND JOINT ANALYSIS OF SUNYAEVâ€“ZELâ€™DOVICH EFFECT MEASUREMENTS FROM PLANCK AND BOLOCAM FOR A SET OF 47 MASSIVE GALAXY CLUSTERS. Astrophysical Journal, 2016, 832, 26.	4.5	35
38	SPT-GMOS: A GEMINI/GMOS-SOUTH SPECTROSCOPIC SURVEY OF GALAXY CLUSTERS IN THE SPT-SZ SURVEY. Astrophysical Journal, Supplement Series, 2016, 227, 3.	7.7	36
39	Cosmology and astrophysics from relaxed galaxy clusters â€“ V. Consistency with cold dark matter structure formation. Monthly Notices of the Royal Astronomical Society, 2016, 462, 681-688.	4.4	18
40	Cosmology and astrophysics from relaxed galaxy clusters â€“ III. Thermodynamic profiles and scaling relations. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4020-4039.	4.4	59
41	A Gibbs sampler for multivariate linear regression. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1279-1288.	4.4	17
42	Cosmology and astrophysics from relaxed galaxy clusters â€“ IV. Robustly calibrating hydrostatic masses with weak lensing. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1522-1534.	4.4	74
43	New constraints on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 497 Td [(stretchy="false"	4.4	106
44	DEEPCHANDRA,HST-COS, AND MEGACAM OBSERVATIONS OF THE PHOENIX CLUSTER: EXTREME STAR FORMATION AND AGN FEEDBACK ON HUNDRED KILOPARSEC SCALES. Astrophysical Journal, 2015, 811, 111.	4.5	64
45	TESTING GRAVITY AT COSMIC SCALES WITH CLUSTERS OF GALAXIES, THE CMB AND GALAXY CLUSTERING. , 2015, , .		0
46	Cosmology and astrophysics from relaxed galaxy clusters â€“ I. Sample selection. Monthly Notices of the Royal Astronomical Society, 2015, 449, 199-219.	4.4	86
47	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, Supplement Series, 2015, 216, 27.	7.7	464
48	THE MASSIVE AND DISTANT CLUSTERS OFWISESURVEY. III. SUNYAEVâ€“ZELâ€™DOVICH MASSES OF GALAXY CLUSTERS ATzâ^¼ 1. Astrophysical Journal, 2015, 806, 26.	4.5	33
49	GALAXY CLUSTER SCALING RELATIONS BETWEEN BOLOCAM SUNYAEVâ€“ZELâ€™DOVICH EFFECT ANDCHANDRAX-RAY MEASUREMENTS. Astrophysical Journal, 2015, 806, 18.	4.5	48
50	Weighing the giants â€“ IV. Cosmology and neutrino mass. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2205-2225.	4.4	213
51	X-ray bright active galactic nuclei in massive galaxy clusters - III. New insights into the triggering mechanisms of cluster AGN. Monthly Notices of the Royal Astronomical Society, 2014, 446, 2709-2729.	4.4	27
52	X-ray bright active galactic nuclei in massive galaxy clusters â€“ II. The fraction of galaxies hosting active nuclei. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1942-1949.	4.4	40
53	Azimuthally resolved X-ray spectroscopy to the edge of the Perseus Cluster. Monthly Notices of the Royal Astronomical Society, 2014, 437, 3939-3961.	4.4	82
54	SPT-CL J2040â€“4451: AN SZ-SELECTED GALAXY CLUSTER ATz= 1.478 WITH SIGNIFICANT ONGOING STAR FORMATION. Astrophysical Journal, 2014, 794, 12.	4.5	42

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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. Astrophysical Journal, 2014, 794, 157.	4.5	35
56	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. Astrophysical Journal, 2014, 792, 45.	4.5	103
57	THE REDSHIFT EVOLUTION OF THE MEAN TEMPERATURE, PRESSURE, AND ENTROPY PROFILES IN 80 SPT-SELECTED GALAXY CLUSTERS. Astrophysical Journal, 2014, 794, 67.	4.5	90
58	Robust weak-lensing mass calibration of Planck galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1973-1978.	4.4	186
59	Cosmology and astrophysics from relaxed galaxy clusters â€“ II. Cosmological constraints. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2077-2098.	4.4	181
60	Weighing the Giants â€“ I. Weak-lensing masses for 51Âmassive galaxy clusters: project overview, data analysis methods and cluster images. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2-27.	4.4	201
61	Weighing the Giants â€“ II. Improved calibration of photometry from stellar colours and accurate photometric redshifts. Monthly Notices of the Royal Astronomical Society, 2014, 439, 28-47.	4.4	71
62	Weighing the Giants â€“ III. Methods and measurements of accurate galaxy cluster weak-lensing masses. Monthly Notices of the Royal Astronomical Society, 2014, 439, 48-72.	4.4	205
63	Constraints on the CMB temperature evolution using multiband measurements of the Sunyaevâ€“Zel'dovich effect with the South Pole Telescope. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2610-2615.	4.4	51
64	THERMODYNAMICS OF THE COMA CLUSTER OUTSKIRTS. Astrophysical Journal, 2013, 775, 4.	4.5	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> 1.2 SELECTED FROM THE SPT-SZ SURVEY. Astrophysical Journal, 2013, 774, 23.	4.5	144
66	A MEASUREMENT OF THE KINETIC SUNYAEV-ZEL'DOVICH SIGNAL TOWARD MACS J0717.5+3745. Astrophysical Journal, 2013, 778, 52.	4.5	70
67	CARMA MEASUREMENTS OF THE SUNYAEV-ZEL'DOVICH EFFECT IN RX J1347.5â€“1145. Astrophysical Journal, 2013, 770, 112.	4.5	28
68	A combined measurement of cosmic growth and expansion from clusters of galaxies, the CMB and galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2013, 432, 973-985.	4.4	35
69	X-ray bright active galactic nuclei in massive galaxy clusters â€“ I. Number counts and spatial distribution. Monthly Notices of the Royal Astronomical Society, 2013, 428, 3509-3525.	4.4	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. Astrophysical Journal, 2013, 764, 152.	4.5	25
71	SPT-CL J0205â€“5829: Az= 1.32 EVOLVED MASSIVE GALAXY CLUSTER IN THE SOUTH POLE TELESCOPE SUNYAEV-ZEL'DOVICH EFFECT SURVEY. Astrophysical Journal, 2013, 763, 93.	4.5	54
72	COSMOLOGICAL CONSTRAINTS FROM SUNYAEVâ€“ZEL'DOVICH-SELECTED CLUSTERS WITH X-RAY OBSERVATIONS IN THE FIRST 178Âdeg² OF THE SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2013, 763, 147.	4.5	206

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73	SUNYAEV-ZEL'DOVICH-MEASURED PRESSURE PROFILES FROM THE BOLOCAM X-RAY/SZ GALAXY CLUSTER SAMPLE. Astrophysical Journal, 2013, 768, 177.	4.5	88
74	LARGE-SCALE MOTIONS IN THE PERSEUS GALAXY CLUSTER. Astrophysical Journal, 2012, 757, 182.	4.5	64
75	WEAK-LENSING MASS MEASUREMENTS OF FIVE GALAXY CLUSTERS IN THE SOUTH POLE TELESCOPE SURVEY USING MAGELLAN/MEGACAM. Astrophysical Journal, 2012, 758, 68.	4.5	42
76	JOINT ANALYSIS OF X-RAY AND SUNYAEVâ€“ZEL'DOVICH OBSERVATIONS OF GALAXY CLUSTERS USING AN ANALYTIC MODEL OF THE INTRACLUSTER MEDIUM. Astrophysical Journal, 2012, 748, 113.	4.5	7
77	Baryons at the Edge of the X-rayâ€“Brightest Galaxy Cluster. Science, 2011, 331, 1576-1579.	12.6	231
78	Cosmological Parameters from Observations of Galaxy Clusters. Annual Review of Astronomy and Astrophysics, 2011, 49, 409-470.	24.3	809
79	The X-ray brightest clusters of galaxies from the Massive Cluster Survey. Monthly Notices of the Royal Astronomical Society, 2010, 407, 83-93.	4.4	179
80	Constraining gravity at large scales with X-ray galaxy cluster studies. EAS Publications Series, 2009, 36, 149-151.	0.3	0
81	Constraints on modified gravity from the observed X-ray luminosity function of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2009, 400, 699-704.	4.4	36
82	New constraints on dark energy from the observed growth of the most X-ray luminous galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2008, 387, 1179-1192.	4.4	150
83	The prospects for constraining dark energy with future X-ray cluster gas mass fraction measurements. Monthly Notices of the Royal Astronomical Society, 2008, 388, 1265-1278.	4.4	26
84	The observed growth of massive galaxy clusters - IV. Robust constraints on neutrino properties. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	4.4	24
85	The observed growth of massive galaxy clusters - I. Statistical methods and cosmological constraints. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	4.4	156
86	The observed growth of massive galaxy clusters - II. X-ray scaling relations. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	4.4	120
87	The observed growth of massive galaxy clusters - III. Testing general relativity on cosmological scales. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	4.4	34