

Steven W Allen

List of Publications by Year in descending order

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25
papers

2,967
citations

535685

17
h-index

685536

24
g-index

25
all docs

25
docs citations

25
times ranked

3268
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring H_0 using X-ray and SZ effect observations of dynamically relaxed galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1062-1076.	1.6	11
2	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.	1.6	6
3	Cosmological constraints from gas mass fractions of massive, relaxed galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 510, 131-145.	1.6	25
4	Deep XMM-Newton observations of the most distant SPT-SZ galaxy cluster. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1554-1564.	1.6	12
5	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.	1.6	12
6	Cold dark energy constraints from the abundance of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3882-3894.	1.6	14
7	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.	1.6	21
8	XMM-Newton X-ray and HST weak gravitational lensing study of the extremely X-ray luminous galaxy cluster Cl J120958.9+495352 ($z = 0.902$). Astronomy and Astrophysics, 2018, 610, A71.	2.1	3
9	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	8
10	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	57
11	Hitomi (ASTRO-H) X-ray Astronomy Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.0	64
12	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.	1.6	46
13	The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121.	13.7	348
14	Weighing the giants V. Galaxy cluster scaling relations. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3582-3603.	1.6	110
15	TESTING GRAVITY AT COSMIC SCALES WITH CLUSTERS OF GALAXIES, THE CMB AND GALAXY CLUSTERING. , 2015, , .		0
16	Cosmology and astrophysics from relaxed galaxy clusters I. Sample selection. Monthly Notices of the Royal Astronomical Society, 2015, 449, 199-219.	1.6	86
17	Weighing the giants IV. Cosmology and neutrino mass. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2205-2225.	1.6	213
18	Robust weak-lensing mass calibration of Planck galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1973-1978.	1.6	186

#	ARTICLE	IF	CITATIONS
19	Weighing the Giants – I. Weak-lensing masses for 51 massive galaxy clusters: project overview, data analysis methods and cluster images. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2-27.	1.6	201
20	Weighing the Giants – III. Methods and measurements of accurate galaxy cluster weak-lensing masses. Monthly Notices of the Royal Astronomical Society, 2014, 439, 48-72.	1.6	205
21	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.	1.6	35
22	Baryons at the Edge of the X-ray-Brightest Galaxy Cluster. Science, 2011, 331, 1576-1579.	6.0	231
23	Cosmological Parameters from Observations of Galaxy Clusters. Annual Review of Astronomy and Astrophysics, 2011, 49, 409-470.	8.1	809
24	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.	1.6	36
25	Revealing the Properties of Dark Matter in the Merging Cluster MACS J0025.4+1222. Astrophysical Journal, 2008, 687, 959-967.	1.6	228