# Steven W Allen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11987050/publications.pdf

Version: 2024-02-01

| 25 | 2,967 | 471509 | 610901 |
|---|---|---|---|
| papers | citations | 17 h-index | 24 g-index |

| 25 | 25 | 25 | 3034 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cosmological Parameters from Observations of Galaxy Clusters. Annual Review of Astronomy and Astrophysics, 2011, 49, 409-470. | 24.3 | 809 |
| 2 | The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121. | 27.8 | 348 |
| 3 | Baryons at the Edge of the X-rayâ€“Brightest Galaxy Cluster. Science, 2011, 331, 1576-1579. | 12.6 | 231 |
| 4 | Revealing the Properties of Dark Matter in the Merging Cluster MACS J0025.4â^'1222. Astrophysical Journal, 2008, 687, 959-967. | 4.5 | 228 |
| 5 | Weighing the giants â€“ IV. Cosmology and neutrino mass. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2205-2225. | 4.4 | 213 |
| 6 | 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 |
| 7 | 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 |
| 8 | Robust weak-lensing mass calibration of Planck galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1973-1978. | 4.4 | 186 |
| 9 | Weighing the giantsâ€“ V. Galaxy cluster scaling relations. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3582-3603. | 4.4 | 110 |
| 10 | 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 |
| 11 | Hitomi (ASTRO-H) X-ray Astronomy Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1. | 1.8 | 64 |
| 12 | Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 57 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Cold dark energy constraints from the abundance of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3882-3894. | 4.4 | 14 |

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|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 8 |
| 23 | 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 |
| 24 | 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. | 5.1 | 3 |
| 25 | TESTING GRAVITY AT COSMIC SCALES WITH CLUSTERS OF GALAXIES, THE CMB AND GALAXY CLUSTERING. , 2015, , . | | 0 |