

Peter A Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

10,640
citations

101543

36
h-index

95266

68
g-index

72
all docs

72
docs citations

72
times ranked

6174
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | First Light And Reionisation Epoch Simulations (FLARES) â€“ III. The properties of massive dusty galaxies at cosmic dawn. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4999-5017. | 4.4 | 19 |
| 2 | First Light And Reionisation Epoch Simulations (<sc>flares</sc>) â€“ IV. The size evolution of galaxies at <i>z</i>=5. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1921-1939. | 4.4 | 21 |
| 3 | Exploring the effect of baryons on the radial distribution of satellite galaxies with GAMA and IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4676-4695. | 4.4 | 2 |
| 4 | <sc>L-GALAXIES</sc> 2020: The evolution of radial metallicity profiles and global metallicities in disc galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4474-4495. | 4.4 | 33 |
| 5 | Using angular momentum maps to detect kinematically distinct galactic components. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2182-2197. | 4.4 | 4 |
| 6 | A machine learning approach to mapping baryons on to dark matter haloes using the <sc>eagle</sc> and <sc>C-EAGLE</sc> simulations. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5046-5061. | 4.4 | 20 |
| 7 | L-GALAXIES 2020: Spatially resolved cold gas phases, star formation, and chemical enrichment in galactic discs. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5795-5814. | 4.4 | 62 |
| 8 | MEGA: Merger graphs of structure formation. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4509-4524. | 4.4 | 7 |
| 9 | Nebular-line emission during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2020, 493, 6079-6094. | 4.4 | 24 |
| 10 | First Light And Reionization Epoch Simulations (FLARES) â€“ I. Environmental dependence of high-redshift galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2127-2145. | 4.4 | 59 |
| 11 | Detailed dust modelling in the L-Galaxies semi-analytic model of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4072-4089. | 4.4 | 61 |
| 12 | Learning the relationship between galaxies spectra and their star formation histories using convolutional neural networks and cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5503-5520. | 4.4 | 28 |
| 13 | Characterising and identifying galaxy protoclusters. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4612-4628. | 4.4 | 40 |
| 14 | Dust-obscured star-forming galaxies in the early universe. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5363-5369. | 4.4 | 30 |
| 15 | Cosmic CARNage I: on the calibration of galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2936-2954. | 4.4 | 23 |
| 16 | Cosmic CARNage II: the evolution of the galaxy stellar mass function in observations and galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1197-1210. | 4.4 | 14 |
| 17 | Iron in galaxy groups and clusters: confronting galaxy evolution models with a newly homogenized data set. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3169-3193. | 4.4 | 30 |
| 18 | Galaxy formation in the Planck cosmology â€“ IV. Mass and environmental quenching, conformity and clustering. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2626-2645. | 4.4 | 65 |

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|----|---|-----|-----------|
| 19 | The Hydrangea simulations: galaxy formation in and around massive clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4186-4208. | 4.4 | 167 |
| 20 | Towards a consistent model for both the H α and stellar mass functions of galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1981-1990. | 4.4 | 7 |
| 21 | nFTy cosmology: the clustering consistency of galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2017, 469, 749-762. | 4.4 | 24 |
| 22 | Galaxy and Mass Assembly (GAMA): halo formation times and halo assembly bias on the cosmic web. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3720-3741. | 4.4 | 44 |
| 23 | The Cluster-EAGLE project: global properties of simulated clusters with resolved galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1088-1106. | 4.4 | 178 |
| 24 | The XMM Cluster Survey: evolution of the velocity dispersion-temperature relation over half a Hubble time. Monthly Notices of the Royal Astronomical Society, 2016, 463, 413-428. | 4.4 | 7 |
| 25 | Sussing merger trees: stability and convergence. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1554-1568. | 4.4 | 14 |
| 26 | The Lyman-continuum photon production efficiency in the high-redshift Universe. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 458, L6-L9. | 3.3 | 49 |
| 27 | The EAGLE project: simulating the evolution and assembly of galaxies and their environments. Monthly Notices of the Royal Astronomical Society, 2015, 446, 521-554. | 4.4 | 2,549 |
| 28 | Galaxy formation in the Planck cosmology â€” I. Matching the observed evolution of star formation rates, colours and stellar masses. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2663-2680. | 4.4 | 467 |
| 29 | Galaxy formation in the Planck cosmology â€” III. The high-redshift universe. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2692-2702. | 4.4 | 28 |
| 30 | nFTy cosmology: comparison of galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4029-4059. | 4.4 | 55 |
| 31 | Impact of baryons on the cluster mass function and cosmological parameter determination. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2485-2493. | 4.4 | 38 |
| 32 | SUSSING MERGER TREES: the influence of the halo finder. Monthly Notices of the Royal Astronomical Society, 2014, 441, 3488-3501. | 4.4 | 36 |
| 33 | Sussing merger trees: the impact of halo merger trees on galaxy properties in a semi-analytic model. Monthly Notices of the Royal Astronomical Society, 2014, 445, 4197-4210. | 4.4 | 23 |
| 34 | Cosmological simulations of galaxy clusters with feedback from active galactic nuclei: profiles and scaling relations. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1774-1796. | 4.4 | 48 |
| 35 | Sussing Merger Trees: The Merger Trees Comparison Project. Monthly Notices of the Royal Astronomical Society, 2013, 436, 150-162. | 4.4 | 80 |
| 36 | Modelling element abundances in semi-analytic models of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3500-3520. | 4.4 | 87 |

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|----|--|------|-----------|
| 37 | Simulations of the galaxy population constrained by observations from $z = 3$ to the present day: implications for galactic winds and the fate of their ejecta. Monthly Notices of the Royal Astronomical Society, 2013, 431, 3373-3395. | 4.4 | 196 |
| 38 | Galaxy formation in WMAP1 and WMAP7 cosmologies. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1351-1365. | 4.4 | 266 |
| 39 | Confronting theoretical models with the observed evolution of the galaxy population out to $z = 4$. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2904-2916. | 4.4 | 113 |
| 40 | Sunyaev-Zel'dovich clusters in Millennium gas simulations. Monthly Notices of the Royal Astronomical Society, 2012, 422, 1999-2023. | 4.4 | 70 |
| 41 | The XMM Cluster Survey: evidence for energy injection at high redshift from evolution of the X-ray luminosity-temperature relation. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2086-2096. | 4.4 | 27 |
| 42 | Baryon fractions in clusters of galaxies: evidence against a pre-heating model for entropy generation. Monthly Notices of the Royal Astronomical Society, 2011, 413, 691-704. | 4.4 | 37 |
| 43 | The Millennium Gas Project. , 2009, , . | | 0 |
| 44 | Monte Carlo Markov Chain parameter estimation in semi-analytic models of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2009, 396, 535-547. | 4.4 | 76 |
| 45 | Galaxies and intergalactic medium interaction calculation I. Galaxy formation as a function of large-scale environment. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1773-1794. | 4.4 | 216 |
| 46 | The Sunyaev-Zel'dovich temperature of the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2008, 386, 2110-2114. | 4.4 | 19 |
| 47 | The effect of dwarf galaxy disruption in semi-analytic models. Monthly Notices of the Royal Astronomical Society, 2007, 383, 1649-1654. | 4.4 | 32 |
| 48 | Evolution of X-ray Cluster Scaling Relations in Simulations with Radiative Cooling and Nongravitational Heating. Astrophysical Journal, 2006, 649, 640-648. | 4.5 | 25 |
| 49 | On the population of primordial star clusters in the presence of ultraviolet background radiation. Monthly Notices of the Royal Astronomical Society, 2006, 368, 1301-1310. | 4.4 | 8 |
| 50 | Simulations of the formation, evolution and clustering of galaxies and quasars. Nature, 2005, 435, 629-636. | 27.8 | 3,801 |
| 51 | Hydrodynamical simulations of the Sunyaev-Zel'dovich effect: cluster scaling relations and X-ray properties. Monthly Notices of the Royal Astronomical Society, 2004, 348, 1401-1408. | 4.4 | 110 |
| 52 | The merger history of clusters and its effect on the X-ray properties of the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2004, 352, 508-522. | 4.4 | 64 |
| 53 | Cosmological simulations of the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2004, 355, 1091-1104. | 4.4 | 105 |
| 54 | The power spectrum amplitude from clusters revisited: $\hat{\Delta}8$ using simulations with pre-heating and cooling. Monthly Notices of the Royal Astronomical Society, 2003, 346, 319-326. | 4.4 | 27 |

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|----|---|-----|-----------|
| 55 | Simulated X-ray cluster temperature maps. Monthly Notices of the Royal Astronomical Society, 2003, 341, 1246-1252. | 4.4 | 12 |
| 56 | The impact of galaxy formation on X-ray groups. Monthly Notices of the Royal Astronomical Society, 2003, 343, 608-618. | 4.4 | 42 |
| 57 | In-shock cooling in numerical simulations. Monthly Notices of the Royal Astronomical Society, 2002, 319, 721-727. | 4.4 | 18 |
| 58 | Hydrodynamic simulations of merging clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2002, 329, 675-688. | 4.4 | 97 |
| 59 | Can simulations reproduce the observed temperature-mass relation for clusters of galaxies?. Monthly Notices of the Royal Astronomical Society, 2002, 330, L48-L52. | 4.4 | 32 |
| 60 | The effect of cooling and preheating on the X-ray properties of clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2002, 336, 527-540. | 4.4 | 123 |
| 61 | The Impact of Cooling and Preheating on the Sunyaev-Zeldovich Effect. Astrophysical Journal, 2001, 561, L15-L18. | 4.5 | 52 |
| 62 | Multiphase smoothed-particle hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2001, 323, 743-756. | 4.4 | 147 |
| 63 | Hydrodynamical simulations of the Sunyaev-Zel'dovich effect: the kinetic effect. Monthly Notices of the Royal Astronomical Society, 2001, 326, 155-163. | 4.4 | 37 |
| 64 | Hydrodynamical simulations of the Sunyaev-Zel'dovich effect. Monthly Notices of the Royal Astronomical Society, 2000, 317, 37-44. | 4.4 | 92 |
| 65 | The alignment of clusters using large-scale simulations. Monthly Notices of the Royal Astronomical Society, 2000, 319, 614-618. | 4.4 | 17 |
| 66 | The alignment of clusters using large-scale simulations. Monthly Notices of the Royal Astronomical Society, 2000, 319, 614-618. | 4.4 | 21 |
| 67 | The structure of galaxy clusters in various cosmologies. Monthly Notices of the Royal Astronomical Society, 1998, 296, 1061-1071. | 4.4 | 175 |
| 68 | Genus statistics of the Virgo N-body simulations and the 1.2-Jy redshift survey. Monthly Notices of the Royal Astronomical Society, 1998, 298, 1169-1188. | 4.4 | 14 |
| 69 | Spatial distribution and dynamics of the galactic globular cluster system. Monthly Notices of the Royal Astronomical Society, 1989, 238, 1319-1343. | 4.4 | 10 |
| 70 | Tidal disruption of satellite galaxies in a semi-analytic model of galaxy formation. Monthly Notices of the Royal Astronomical Society, 0, 403, 768-779. | 4.4 | 54 |
| 71 | Morphological evolution and galactic sizes in the L-Galaxies SA model. Monthly Notices of the Royal Astronomical Society, 0, , . | 4.4 | 16 |
| 72 | First Light And Reionisation Epoch Simulations (FLARES) II: The Photometric Properties of High-Redshift Galaxies. Monthly Notices of the Royal Astronomical Society, 0, , . | 4.4 | 46 |