

Paul Torrey

List of Publications by Year in descending order

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Version: 2024-02-01

135
papers

22,319
citations

14655

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13771

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138
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times ranked

6365
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | High-redshift predictions from IllustrisTNG III. Infrared luminosity functions, obscured star formation, and dust temperature of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5560-5578. | 4.4 | 26 |
| 2 | H α emission in local galaxies: star formation, time variability, and the diffuse ionized gas. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2904-2929. | 4.4 | 29 |
| 3 | Degeneracies between self-interacting dark matter and supernova feedback as cusp-core transformation mechanisms. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3458-3481. | 4.4 | 18 |
| 4 | Formation and evolution of young massive clusters in galaxy mergers: the SMUGGLE view. Monthly Notices of the Royal Astronomical Society, 2022, 514, 265-279. | 4.4 | 26 |
| 5 | Spatially resolved star formation and fuelling in galaxy interactions. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3113-3133. | 4.4 | 52 |
| 6 | The TNG50 Simulation: Highly-Resolved Galaxies in a Large Cosmological Volume to the Present Day. , 2021, , 5-22. | | 0 |
| 7 | Simulating dust grain-radiation coupling on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1344-1354. | 4.4 | 4 |
| 8 | Submillimetre galaxies in cosmological hydrodynamical simulations – an opportunity for constraining feedback models. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2922-2933. | 4.4 | 20 |
| 9 | Dust entrainment in galactic winds. Monthly Notices of the Royal Astronomical Society, 2021, 503, 336-343. | 4.4 | 9 |
| 10 | Where Binary Neutron Stars Merge: Predictions from IllustrisTNG. Astrophysical Journal, 2021, 909, 207. | 4.5 | 4 |
| 11 | Morphological Types of DM Halos in Milky Way-like Galaxies in the TNG50 Simulation: Simple, Twisted, or Stretched. Astrophysical Journal, 2021, 913, 36. | 4.5 | 15 |
| 12 | Gas-phase metallicity gradients of TNG50 star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3024-3048. | 4.4 | 40 |
| 13 | The CAMELS Project: Cosmology and Astrophysics with Machine-learning Simulations. Astrophysical Journal, 2021, 915, 71. | 4.5 | 113 |
| 14 | The origin of the dust extinction curve in milky way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 548-559. | 4.4 | 15 |
| 15 | Inferring the Morphology of Stellar Distribution in TNG50: Twisted and Twisted-stretched Shapes. Astrophysical Journal, 2021, 918, 7. | 4.5 | 9 |
| 16 | Spatially resolved star formation and inside-out quenching in the TNG50 simulation and 3D-HST observations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 219-235. | 4.4 | 56 |
| 17 | Impact of gas-based seeding on supermassive black hole populations at $z \approx 7$. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2012-2036. | 4.4 | 5 |
| 18 | Quiescent ultra-diffuse galaxies in the field originating from backslash orbits. Nature Astronomy, 2021, 5, 1255-1260. | 10.1 | 32 |

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|----|---|------|-----------|
| 19 | Impact of gas spin and Lyman- α flux on black hole seed formation in cosmological simulations: implications for direct collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 177-196. | 4.4 | 3 |
| 20 | The large-scale distribution of ionized metals in IllustrisTNG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 399-412. | 4.4 | 6 |
| 21 | Cosmological simulations of galaxy formation. <i>Nature Reviews Physics</i> , 2020, 2, 42-66. | 26.6 | 317 |
| 22 | The impact of AGN wind feedback in simulations of isolated galaxies with a multiphase ISM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5292-5308. | 4.4 | 30 |
| 23 | Interacting galaxies in the IllustrisTNG simulations - II: star formation in the post-merger stage. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3716-3731. | 4.4 | 53 |
| 24 | Interacting galaxies in the IllustrisTNG simulations - I: Triggered star formation in a cosmological context. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4969-4985. | 4.4 | 49 |
| 25 | High-redshift <i>JWST</i> predictions from IllustrisTNG: II. Galaxy line and continuum spectral indices and dust attenuation curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4747-4768. | 4.4 | 31 |
| 26 | Early-type galaxy density profiles from IllustrisTNG - I. Galaxy correlations and the impact of baryons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5188-5215. | 4.4 | 26 |
| 27 | High-redshift <i>JWST</i> predictions from IllustrisTNG: dust modelling and galaxy luminosity functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5167-5201. | 4.4 | 99 |
| 28 | Baryons in the Cosmic Web of IllustrisTNG - II. The connection among galaxies, haloes, their formation time, and their location in the Cosmic Web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5747-5758. | 4.4 | 27 |
| 29 | Variations in the slope of the resolved star-forming main sequence: a tool for constraining the mass of star-forming regions. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 493, L87-L91. | 3.3 | 10 |
| 30 | Galaxy interactions in IllustrisTNG-100, I: The power and limitations of visual identification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2075-2094. | 4.4 | 25 |
| 31 | Quenched fractions in the IllustrisTNG simulations: the roles of AGN feedback, environment, and pre-processing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4004-4024. | 4.4 | 86 |
| 32 | The effects of subgrid models on the properties of giant molecular clouds in galaxy formation simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5862-5872. | 4.4 | 20 |
| 33 | Simulating the interstellar medium of galaxies with radiative transfer, non-equilibrium thermochemistry, and dust. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5732-5748. | 4.4 | 27 |
| 34 | FIRST J1419+3940 as the First Observed Radio Flare from a Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2020, 902, L23. | 8.3 | 5 |
| 35 | The IllustrisTNG simulations: public data release. <i>Computational Astrophysics and Cosmology</i> , 2019, 6, . | 22.7 | 698 |
| 36 | Dust in and around galaxies: dust in cluster environments and its impact on gas cooling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4870-4883. | 4.4 | 38 |

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|----|--|-----|-----------|
| 37 | First results from the TNG50 simulation: the evolution of stellar and gaseous discs across cosmic time. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3196-3233. | 4.4 | 453 |
| 38 | Simulating the interstellar medium and stellar feedback on a moving mesh: implementation and isolated galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4233-4260. | 4.4 | 72 |
| 39 | Deep learning predictions of galaxy merger stage and the importance of observational realism. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5390-5413. | 4.4 | 69 |
| 40 | Early-type galaxy density profiles from IllustrisTNG II. Evolutionary trend of the total density profile. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5722-5738. | 4.4 | 19 |
| 41 | First results from the TNG50 simulation: galactic outflows driven by supernovae and black hole feedback. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3234-3261. | 4.4 | 510 |
| 42 | A study of stellar orbit fractions: simulated IllustrisTNG galaxies compared to CALIFA observations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 842-854. | 4.4 | 19 |
| 43 | Enhancing AGN efficiency and cool-core formation with anisotropic thermal conduction. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3003-3013. | 4.4 | 22 |
| 44 | Automated distant galaxy merger classifications from Space Telescope images using the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3702-3720. | 4.4 | 38 |
| 45 | The TNG50 Simulation of the IllustrisTNG Project: Bridging the Gap Between Large Cosmological Volumes and Resolved Galaxies. , 2019, , 5-20. | | 0 |
| 46 | A Deep Learning Approach to Galaxy Cluster X-Ray Masses. Astrophysical Journal, 2019, 876, 82. | 4.5 | 55 |
| 47 | Baryons in the Cosmic Web of IllustrisTNG I: gas in knots, filaments, sheets, and voids. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3766-3787. | 4.4 | 120 |
| 48 | Interacting galaxies on FIRE-2: the connection between enhanced star formation and interstellar gas content. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1320-1338. | 4.4 | 75 |
| 49 | Linking galaxy structural properties and star formation activity to black hole activity with IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4413-4443. | 4.4 | 59 |
| 50 | The optical morphologies of galaxies in the IllustrisTNG simulation: a comparison to Pan-STARRS observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4140-4159. | 4.4 | 236 |
| 51 | The abundance, distribution, and physical nature of highly ionized oxygen O ^{vi} , O ^{vii} , and O ^{viii} in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2018, 477, 450-479. | 4.4 | 133 |
| 52 | First results from the IllustrisTNG simulations: the galaxy colour bimodality. Monthly Notices of the Royal Astronomical Society, 2018, 475, 624-647. | 4.4 | 894 |
| 53 | First results from the IllustrisTNG simulations: the stellar mass content of groups and clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 648-675. | 4.4 | 983 |
| 54 | First results from the IllustrisTNG simulations: matter and galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2018, 475, 676-698. | 4.4 | 1,035 |

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|----|---|-----|-----------|
| 55 | Simulating galaxy formation with the IllustrisTNG model. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4077-4106. | 4.4 | 1,144 |
| 56 | The uniformity and time-invariance of the intra-cluster metal distribution in galaxy clusters from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2073-2093. | 4.4 | 71 |
| 57 | The size evolution of star-forming and quenched galaxies in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3976-3996. | 4.4 | 195 |
| 58 | First results from the IllustrisTNG simulations: a tale of two elements – chemical evolution of magnesium and europium. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1206-1224. | 4.4 | 746 |
| 59 | Galaxy mergers moulding the circum-galactic medium – I. The impact of a major merger. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1160-1176. | 4.4 | 44 |
| 60 | The fraction of dark matter within galaxies from the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1950-1975. | 4.4 | 97 |
| 61 | Supermassive black holes and their feedback effects in the IllustrisTNG simulation. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4056-4072. | 4.4 | 270 |
| 62 | A census of cool-core galaxy clusters in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1809-1831. | 4.4 | 68 |
| 63 | FIRE-2 simulations: physics versus numerics in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 800-863. | 4.4 | 676 |
| 64 | Modeling the Atomic-to-molecular Transition in Cosmological Simulations of Galaxy Formation. Astrophysical Journal, Supplement Series, 2018, 238, 33. | 7.7 | 71 |
| 65 | Similar star formation rate and metallicity variability time-scales drive the fundamental metallicity relation. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L16-L20. | 3.3 | 75 |
| 66 | Chemical pre-processing of cluster galaxies over the past 10 billion years in the IllustrisTNG simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L35-L39. | 3.3 | 21 |
| 67 | Galaxy Zoo: Morphological Classification of Galaxy Images from the Illustris Simulation. Astrophysical Journal, 2018, 853, 194. | 4.5 | 20 |
| 68 | Formation of a Malin 1 analogue in IllustrisTNG by stimulated accretion. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 480, L18-L22. | 3.3 | 27 |
| 69 | Simulating galactic dust grain evolution on a moving mesh. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2851-2886. | 4.4 | 87 |
| 70 | Log-normal Star Formation Histories in Simulated and Observed Galaxies. Astrophysical Journal, 2017, 839, 26. | 4.5 | 59 |
| 71 | Simulating galaxy formation with black hole driven thermal and kinetic feedback. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3291-3308. | 4.4 | 725 |
| 72 | An instability of feedback-regulated star formation in galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2301-2314. | 4.4 | 42 |

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|----|---|-----|-----------|
| 73 | The role of mergers and halo spin in shaping galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3083-3098. | 4.4 | 134 |
| 74 | ALMA Resolves the Nuclear Disks of Arp 220. Astrophysical Journal, 2017, 836, 66. | 4.5 | 91 |
| 75 | Galaxies in the Illustris simulation as seen by the Sloan Digital Sky Survey â€“ II. Sizeâ€“luminosity relations and the deficit of bulge-dominated galaxies in Illustris at low mass. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2879-2895. | 4.4 | 71 |
| 76 | An improved probabilistic approach for linking progenitor and descendant galaxy populations using comoving number density. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3887-3897. | 4.4 | 19 |
| 77 | Metal flows of the circumgalactic medium, and the metal budget in galactic haloes. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4170-4188. | 4.4 | 119 |
| 78 | Forward and backward galaxy evolution in comoving cumulative number density space. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4872-4885. | 4.4 | 24 |
| 79 | Simulating the dust content of galaxies: successes and failures. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1505-1521. | 4.4 | 109 |
| 80 | Mg ii Absorption at $z \sim 7$ with Magellan/Fire. III. Full Statistics of Absorption toward 100 High-redshift QSOs*. Astrophysical Journal, 2017, 850, 188. | 4.5 | 42 |
| 81 | Massive close pairs measure rapid galaxy assembly in mergers at high redshift. Monthly Notices of the Royal Astronomical Society, 2017, 468, 207-216. | 4.4 | 68 |
| 82 | Black holes on FIRE: stellar feedback limits early feeding of galactic nuclei. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 472, L109-L114. | 3.3 | 176 |
| 83 | The stellar mass assembly of galaxies in the Illustris simulation: growth by mergers and the spatial distribution of accreted stars. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2371-2390. | 4.4 | 319 |
| 84 | The missing satellite problem in 3D. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4473-4481. | 4.4 | 24 |
| 85 | THE CALIFA AND HIPASS CIRCULAR VELOCITY FUNCTION FOR ALL MORPHOLOGICAL GALAXY TYPES. Astrophysical Journal Letters, 2016, 827, L36. | 8.3 | 11 |
| 86 | The impact of galactic properties and environment on the quenching of central and satellite galaxies: a comparison between SDSS, Illustris and L-Galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2559-2586. | 4.4 | 99 |
| 87 | The mass profile of the Milky Way to the virial radius from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3483-3493. | 4.4 | 31 |
| 88 | Galaxy pairs in the Sloan Digital Sky Survey â€“ XI. A new method for measuring the influence of the closest companion out to wide separations. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2589-2604. | 4.4 | 66 |
| 89 | About AGN ionization echoes, thermal echoes and ionization deficits in low-redshift Ly α blobs. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1554-1586. | 4.4 | 24 |
| 90 | Dust formation in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3775-3800. | 4.4 | 127 |

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| 91 | On the assembly of dwarf galaxies in clusters and their efficient formation of globular clusters. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2323-2336. | 4.4 | 67 |
| 92 | The diverse evolutionary paths of simulated high- z massive, compact galaxies to $z = 0$. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1030-1048. | 4.4 | 96 |
| 93 | Modelling galactic conformity with the colour-halo age relation in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 455, 185-198. | 4.4 | 38 |
| 94 | Stellar and quasar feedback in concert: effects on AGN accretion, obscuration, and outflows. Monthly Notices of the Royal Astronomical Society, 2016, 458, 816-831. | 4.4 | 143 |
| 95 | Large-scale mass distribution in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3024-3035. | 4.4 | 60 |
| 96 | Recoiling black holes: prospects for detection and implications of spin alignment. Monthly Notices of the Royal Astronomical Society, 2016, 456, 961-989. | 4.4 | 90 |
| 97 | Galaxy morphology and star formation in the Illustris Simulation at $z = 0$. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1886-1908. | 4.4 | 155 |
| 98 | On the cosmic evolution of Fe/Mg in QSO absorption line systems. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1806-1814. | 4.4 | 4 |
| 99 | THE INCIDENCE OF LOW-METALLICITY LYMAN-LIMIT SYSTEMS AT $z \approx 3.5$: IMPLICATIONS FOR THE COLD-FLOW HYPOTHESIS OF BARYONIC ACCRETION. Astrophysical Journal, 2015, 812, 58. | 4.5 | 33 |
| 100 | Hydrogen reionization in the Illustris universe. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3594-3611. | 4.4 | 44 |
| 101 | An analysis of the evolving comoving number density of galaxies in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2770-2786. | 4.4 | 67 |
| 102 | The merger rate of galaxies in the Illustris simulation: a comparison with observations and semi-empirical models. Monthly Notices of the Royal Astronomical Society, 2015, 449, 49-64. | 4.4 | 472 |
| 103 | The formation of massive, compact galaxies at $z = 2$ in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 449, 361-372. | 4.4 | 187 |
| 104 | The Illustris simulation: the evolving population of black holes across cosmic time. Monthly Notices of the Royal Astronomical Society, 2015, 452, 575-596. | 4.4 | 452 |
| 105 | Modeling the Observability of Recoiling Black Holes as Offset Quasars. Proceedings of the International Astronomical Union, 2015, 11, 317-318. | 0.0 | 0 |
| 106 | The neutral gas content of post-merger galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 448, 221-236. | 4.4 | 41 |
| 107 | Galaxy pairs in the Sloan Digital Sky Survey "X. Does gas content alter star formation rate enhancement in galaxy interactions?. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3719-3740. | 4.4 | 39 |
| 108 | The impact of galactic feedback on the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2015, 448, 895-909. | 4.4 | 82 |

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|-----|--|------|-----------|
| 109 | Synthetic galaxy images and spectra from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2753-2771. | 4.4 | 106 |
| 110 | The impact of feedback on cosmological gas accretion. Monthly Notices of the Royal Astronomical Society, 2015, 448, 59-74. | 4.4 | 120 |
| 111 | The colours of satellite galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 447, L6-L10. | 3.3 | 59 |
| 112 | The star formation main sequence and stellar mass assembly of galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3548-3563. | 4.4 | 201 |
| 113 | HOT GASEOUS CORONAE AROUND SPIRAL GALAXIES: PROBING THE ILLUSTRIS SIMULATION. Astrophysical Journal, 2015, 804, 72. | 4.5 | 40 |
| 114 | Mapping galaxy encounters in numerical simulations: the spatial extent of induced star formation. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1107-1117. | 4.4 | 110 |
| 115 | The illustris simulation: Public data release. Astronomy and Computing, 2015, 13, 12-37. | 1.7 | 412 |
| 116 | Halo mass and assembly history exposed in the faint outskirts: the stellar and dark matter haloes of Illustris galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 237-249. | 4.4 | 117 |
| 117 | Galaxy mergers on a moving mesh: a comparison with smoothed particle hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1992-2016. | 4.4 | 87 |
| 118 | Introducing the Illustris Project: simulating the coevolution of dark and visible matter in the Universe. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1518-1547. | 4.4 | 1,694 |
| 119 | Damped Lyman α absorbers as a probe of stellar feedback. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2313-2324. | 4.4 | 105 |
| 120 | Introducing the Illustris project: the evolution of galaxy populations across cosmic time. Monthly Notices of the Royal Astronomical Society, 2014, 445, 175-200. | 4.4 | 805 |
| 121 | Empirical constraints for the magnitude and composition of galactic winds. Astrophysics and Space Science, 2014, 349, 873-879. | 1.4 | 27 |
| 122 | Properties of galaxies reproduced by a hydrodynamic simulation. Nature, 2014, 509, 177-182. | 27.8 | 979 |
| 123 | A model for cosmological simulations of galaxy formation physics: multi-epoch validation. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1985-2004. | 4.4 | 242 |
| 124 | A model for cosmological simulations of galaxy formation physics. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3031-3067. | 4.4 | 711 |
| 125 | The dynamics of galaxy pairs in a cosmological setting. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1765-1786. | 4.4 | 52 |
| 126 | Galaxy pairs in the Sloan Digital Sky Survey α VI. The orbital extent of enhanced star formation in interacting galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 433, L59-L63. | 3.3 | 178 |

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|-----|---|-----|-----------|
| 127 | The slow flow model of dust efflux in local star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1852-1866. | 4.4 | 7 |
| 128 | Galaxy pairs in the Sloan Digital Sky Survey - V. Tracing changes in star formation rate and metallicity out to separations of 80 kpc. Monthly Notices of the Royal Astronomical Society, 2012, 426, 549-565. | 4.4 | 190 |
| 129 | Moving-mesh cosmology: properties of gas discs. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2224-2238. | 4.4 | 92 |
| 130 | AN INTEGRAL FIELD STUDY OF ABUNDANCE GRADIENTS IN NEARBY LUMINOUS INFRARED GALAXIES. Astrophysical Journal, 2012, 753, 5. | 4.5 | 99 |
| 131 | THE METALLICITY EVOLUTION OF INTERACTING GALAXIES. Astrophysical Journal, 2012, 746, 108. | 4.5 | 164 |
| 132 | Galaxies in the Illustris simulation as seen by the Sloan Digital Sky Survey - I: Bulge+disc decompositions, methods, and biases.. Monthly Notices of the Royal Astronomical Society, 0, , stx017. | 4.4 | 23 |
| 133 | Why do high-redshift galaxies show diverse gas-phase metallicity gradients?. Monthly Notices of the Royal Astronomical Society, 0, , stx034. | 4.4 | 46 |
| 134 | First results from the IllustrisTNG simulations: radio haloes and magnetic fields. Monthly Notices of the Royal Astronomical Society, 0, , . | 4.4 | 643 |
| 135 | The evolution of the mass-metallicity relation and its scatter in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 0, , . | 4.4 | 123 |