

Harley Katz

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,418
citations

377584

21
h-index

425179

34
g-index

36
all docs

36
docs citations

36
times ranked

1667
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The nature of high $[O/H]$ $z \sim 6$ galaxies in the epoch of reionization: Low carbon abundance and a top-heavy IMF?. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5603-5622. | 1.6 | 29 |
| 2 | RAMSES-RTZ: non-equilibrium metal chemistry and cooling coupled to on-the-fly radiation hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2022, 512, 348-365. | 1.6 | 13 |
| 3 | Simulating Jellyfish Galaxies: A Case Study for a Gas-rich Dwarf Galaxy. Astrophysical Journal, 2022, 928, 144. | 1.6 | 7 |
| 4 | Towards convergence of turbulent dynamo amplification in cosmological simulations of galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3326-3344. | 1.6 | 8 |
| 5 | Mg II in the <i>JWST</i> era: a probe of Lyman continuum escape?. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4265-4286. | 1.6 | 14 |
| 6 | Unravelling the origin of magnetic fields in galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2517-2534. | 1.6 | 15 |
| 7 | Ly α as a tracer of cosmic reionization in the SPHINX radiation-hydrodynamics cosmological simulation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1902-1926. | 1.6 | 30 |
| 8 | Cosmological magnetogenesis: the Biermann battery during the Epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2346-2359. | 1.6 | 13 |
| 9 | Introducing SPHINX-MHD: the impact of primordial magnetic fields on the first galaxies, reionization, and the global 21-cm signal. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1254-1282. | 1.6 | 30 |
| 10 | The OBELISK simulation: Galaxies contribute more than AGN to H α reionization of protoclusters. Astronomy and Astrophysics, 2021, 653, A154. | 2.1 | 37 |
| 11 | Post-COVID-19 syndrome in patients with haematological disorders who have survived infection with severe acute respiratory syndrome coronavirus 2. British Journal of Haematology, 2021, . . | 1.2 | 2 |
| 12 | New methods for identifying Lyman continuum leakers and reionization-epoch analogues. Monthly Notices of the Royal Astronomical Society, 2020, 498, 164-180. | 1.6 | 29 |
| 13 | Reionization history constraints from neural network based predictions of high-redshift quasar continua. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4256-4275. | 1.6 | 29 |
| 14 | How to quench a dwarf galaxy: The impact of inhomogeneous reionization on dwarf galaxies and cosmic filaments. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2200-2220. | 1.6 | 47 |
| 15 | Regional outcomes of severe acute respiratory syndrome coronavirus 2 infection in hospitalised patients with haematological malignancy. European Journal of Haematology, 2020, 105, 476-483. | 1.1 | 26 |
| 16 | Dual Effects of Ram Pressure on Star Formation in Multiphase Disk Galaxies with Strong Stellar Feedback. Astrophysical Journal, 2020, 905, 31. | 1.6 | 25 |
| 17 | Probing cosmic dawn with emission lines: predicting infrared and nebular line emission for ALMA and JWST. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5902-5921. | 1.6 | 61 |
| 18 | Understanding the escape of LyC and Ly α photons from turbulent clouds. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2215-2237. | 1.6 | 80 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Magnetogenesis at Cosmic Dawn: tracing the origins of cosmic magnetic fields. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2620-2631. | 1.6 | 12 |
| 20 | Tracing the sources of reionization in cosmological radiation hydrodynamics simulations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1029-1041. | 1.6 | 19 |
| 21 | Probing cosmic dawn: modelling the assembly history, SEDs, and dust content of selected $z \sim 9$ galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4054-4068. | 1.6 | 24 |
| 22 | The use of artificial neural network analysis can improve the risk stratification of patients presenting with suspected deep vein thrombosis. British Journal of Haematology, 2019, 185, 289-296. | 1.2 | 22 |
| 23 | The baryonic Tully-Fisher relation for different velocity definitions and implications for galaxy angular momentum. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3267-3278. | 1.6 | 106 |
| 24 | The tight empirical relation between dark matter halo mass and flat rotation velocity for late-type galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 483, L98-L103. | 1.2 | 8 |
| 25 | Stellar feedback and the energy budget of late-type Galaxies: missing baryons and core creation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4287-4301. | 1.6 | 8 |
| 26 | A Census of the LyC photons that form the UV background during reionization. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4986-5005. | 1.6 | 24 |
| 27 | Impact of Lyman alpha pressure on metal-poor dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4617-4635. | 1.6 | 35 |
| 28 | Testing feedback-modified dark matter haloes with galaxy rotation curves: estimation of halo parameters and consistency with Λ CDM scaling relations. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1648-1668. | 1.6 | 81 |
| 29 | Interpreting ALMA observations of the ISM during the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4831-4861. | 1.6 | 90 |
| 30 | Seeding high-redshift QSOs by collisional runaway in primordial star clusters. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2352-2369. | 1.6 | 114 |
| 31 | The formation of spiral galaxies: adiabatic compression with Young's algorithm and the relation of dark matter haloes to their primordial antecedents. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1897-1908. | 1.6 | 12 |
| 32 | Clues on the missing sources of reionization from self-consistent modelling of Milky Way and dwarf galaxy globular clusters. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2377-2395. | 1.6 | 46 |
| 33 | Two epochs of globular cluster formation from deep field luminosity functions: implications for reionization and the Milky Way satellites. Monthly Notices of the Royal Astronomical Society, 2013, 432, 3250-3261. | 1.6 | 55 |
| 34 | GALAXY CLUSTER BULK FLOWS AND COLLISION VELOCITIES IN QUMOND. Astrophysical Journal, 2013, 772, 10. | 1.6 | 22 |
| 35 | Feedback-regulated star formation and escape of LyC photons from mini-haloes during reionisation. Monthly Notices of the Royal Astronomical Society, 0, , stx052. | 1.6 | 101 |
| 36 | The SPHINX Cosmological Simulations of the First Billion Years: the Impact of Binary Stars on Reionization.... Monthly Notices of the Royal Astronomical Society, 0, , . | 1.6 | 144 |