

Harley Katz

List of Publications by Year in descending order

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36
papers

1,418
citations

331538

21
h-index

377752

34
g-index

36
all docs

36
docs citations

36
times ranked

1548
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	The OBELISK simulation: Galaxies contribute more than AGN to H α reionization of protoclusters. Astronomy and Astrophysics, 2021, 653, A154.	2.1	37
13	Impact of Lyman alpha pressure on metal-poor dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4617-4635.	1.6	35
14	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
15	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
16	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
17	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
18	The nature of high [O/Fe] 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

#	ARTICLE	IF	CITATIONS
19	Regional outcomes of severe acute respiratory syndrome coronavirus 2 infection in hospitalised patients with haematological malignancy. <i>European Journal of Haematology</i> , 2020, 105, 476-483.	1.1	26
20	Dual Effects of Ram Pressure on Star Formation in Multiphase Disk Galaxies with Strong Stellar Feedback. <i>Astrophysical Journal</i> , 2020, 905, 31.	1.6	25
21	A Census of the LyC photons that form the UV background during reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4986-5005.	1.6	24
22	Probing cosmic dawn: modelling the assembly history, SEDs, and dust content of selected $z \sim 9$ galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4054-4068.	1.6	24
23	GALAXY CLUSTER BULK FLOWS AND COLLISION VELOCITIES IN QUMOND. <i>Astrophysical Journal</i> , 2013, 772, 10.	1.6	22
24	The use of artificial neural network analysis can improve the risk stratification of patients presenting with suspected deep vein thrombosis. <i>British Journal of Haematology</i> , 2019, 185, 289-296.	1.2	22
25	Tracing the sources of reionization in cosmological radiation hydrodynamics simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1029-1041.	1.6	19
26	Unravelling the origin of magnetic fields in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2517-2534.	1.6	15
27	Mg II in the JWST era: a probe of Lyman continuum escape?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 4265-4286.	1.6	14
28	Cosmological magnetogenesis: the Biermann battery during the Epoch of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2346-2359.	1.6	13
29	RAMSES-RTZ: non-equilibrium metal chemistry and cooling coupled to on-the-fly radiation hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 348-365.	1.6	13
30	The formation of spiral galaxies: adiabatic compression with Young's algorithm and the relation of dark matter haloes to their primordial antecedents. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1897-1908.	1.6	12
31	Magnetogenesis at Cosmic Dawn: tracing the origins of cosmic magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2620-2631.	1.6	12
32	Stellar feedback and the energy budget of late-type Galaxies: missing baryons and core creation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4287-4301.	1.6	8
33	The tight empirical relation between dark matter halo mass and flat rotation velocity for late-type galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 483, L98-L103.	1.2	8
34	Towards convergence of turbulent dynamo amplification in cosmological simulations of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3326-3344.	1.6	8
35	Simulating Jellyfish Galaxies: A Case Study for a Gas-rich Dwarf Galaxy. <i>Astrophysical Journal</i> , 2022, 928, 144.	1.6	7
36	Post-COVID-19 syndrome in patients with haematological disorders who have survived infection with severe acute respiratory syndrome coronavirus 2. <i>British Journal of Haematology</i> , 2021, . .	1.2	2