# Aaron Smith

List of Publications by Year
in descending order



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|---|---|---|---|
| 20 papers | 588 citations | 687363 13 h-index | 794594 19 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 643 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Introducing the <scp>thesan</scp> project: radiation-magnetohydrodynamic simulations of the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4005-4030. | 4.4 | 88 |
| 2 | The physics of LymanÂÎ± escape from high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 484, 39-59. | 4.4 | 76 |
| 3 | The Lyman Î± signature of the first galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 449, 4336-4362. | 4.4 | 56 |
| 4 | The<scp>thesan</scp>project: properties of the intergalactic medium and its connection to reionization-era galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4909-4933. | 4.4 | 44 |
| 5 | Evidence for a direct collapse black hole in the LymanÎ±source CR7. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3143-3151. | 4.4 | 41 |
| 6 | LymanÎ±radiation hydrodynamics of galactic winds before cosmic reionization. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2963-2978. | 4.4 | 36 |
| 7 | The<scp>thesan</scp>project: Lyman-Î± emission and transmission during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3243-3265. | 4.4 | 36 |
| 8 | The <scp>thesan</scp> project: predictions for multitracer line intensity mapping in the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3857-3878. | 4.4 | 31 |
| 9 | HÎ±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 |
| 10 | Supermassive black holes in the early universe. Contemporary Physics, 2019, 60, 111-126. | 1.8 | 27 |
| 11 | The first supermassive black holes. Astronomy and Geophysics, 2017, 58, 3.22-3.26. | 0.2 | 25 |
| 12 | Constraining the Infalling Envelope Models of Embedded Protostars: BHR 71 and Its Hot Corino. Astrophysical Journal, 2020, 891, 61. | 4.5 | 23 |
| 13 | Radiative effects during the assembly of direct collapse black holes. Monthly Notices of the Royal Astronomical Society, 2017, 472, 205-216. | 4.4 | 21 |
| 14 | Discrete diffusion LymanÎ±radiative transfer. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2065-2078. | 4.4 | 13 |
| 15 | Impact of assuming flatness in the determination of neutrino properties from cosmological data. Physical Review D, 2012, 85, . | 4.7 | 12 |
| 16 | AREPO-MCRT: Monte Carlo Radiation Hydrodynamics on a Moving Mesh. Astrophysical Journal, 2020, 905, 27. | 4.5 | 12 |
| 17 | The Origin and Evolution of LyÎ±ÂBlobs in Cosmological Galaxy Formation Simulations. Astrophysical Journal, 2021, 909, 119. | 4.5 | 9 |
| 18 | Resonant-line radiative transfer within power-law density profiles. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3925-3942. | 4.4 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dynamics of Lyman-Î± blobs. Nature Astronomy, 2020, 4, 648-649. | 10.1 | 1 |
| 20 | Direct Infall Signatures and Complex Organic Molecules toward an Isolated Embedded Protostar BHR 71. Proceedings of the International Astronomical Union, 2018, 14, 312-313. | 0.0 | 0 |