

# Ilian Iliev

## List of Publications by Year in descending order

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137  
papers

7,098  
citations

44069

48  
h-index

62596

80  
g-index

139  
all docs

139  
docs citations

139  
times ranked

3081  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Simulating cosmic reionization at large scales - I. The geometry of reionization. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1625-1638.   | 4.4 | 300       |
| 2  | Reionization and the Cosmic Dawn with the Square Kilometre Array. Experimental Astronomy, 2013, 36, 235-318.   | 3.7 | 255       |
| 3  | Photoevaporation of cosmological minihaloes during reionization. Monthly Notices of the Royal Astronomical Society, 2004, 348, 753-782.  | 4.4 | 247       |
| 4  | Upper Limits on the 21 cm Epoch of Reionization Power Spectrum from One Night with LOFAR. Astrophysical Journal, 2017, 838, 65.  | 4.5 | 219       |
| 5  | The halo mass function through the cosmic ages. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1230-1245.   | 4.4 | 197       |
| 6  | Improved upper limits on the 21-cm signal power spectrum of neutral hydrogen at $z \approx 9.1$ from LOFAR. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1662-1685.   | 4.4 | 185       |
| 7  | Cosmological radiative transfer codes comparison project <i>i</i> <sup>1/2</sup> / <i>i</i> <sup>1/2</sup> / <i>i</i> <sup>1/2</sup> I. The static density field tests. Monthly Notices of the Royal Astronomical Society, 2006, 371, 1057-1086. | 4.4 | 181       |
| 8  | C2-ray: A new method for photon-conserving transport of ionizing radiation. New Astronomy, 2006, 11, 374-395.  | 1.8 | 180       |
| 9  | Simulating cosmic reionization at large scales - II. The 21-cm emission features and statistical signals. Monthly Notices of the Royal Astronomical Society, 2006, 372, 679-692.   | 4.4 | 176       |
| 10 | Cosmic Dawn (CoDa): the first radiation-hydrodynamics simulation of reionization and galaxy formation in the Local Universe. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1462-1485.  | 4.4 | 163       |
| 11 | Self-regulated reionization. Monthly Notices of the Royal Astronomical Society, 2007, 376, 534-548.  | 4.4 | 161       |
| 12 | Scale-dependent bias induced by local non-Gaussianity: a comparison to $N$ -body simulations. Monthly Notices of the Royal Astronomical Society, 2009, 396, 85-96.   | 4.4 | 157       |
| 13 | Simulating cosmic reionization: how large a volume is large enough?. Monthly Notices of the Royal Astronomical Society, 2014, 439, 725-743.  | 4.4 | 154       |
| 14 | On the Direct Detectability of the Cosmic Dark Ages: 21 Centimeter Emission from Minihalos. Astrophysical Journal, 2002, 572, L123-L126.   | 4.5 | 138       |
| 15 | Minihalo photoevaporation during cosmic reionization: evaporation times and photon consumption rates. Monthly Notices of the Royal Astronomical Society, 2005, 361, 405-414.   | 4.4 | 132       |
| 16 | High-performance P3M N-body code: CUBEP3M. Monthly Notices of the Royal Astronomical Society, 2013, 436, 540-559.  | 4.4 | 123       |
| 17 | THE INHOMOGENEOUS BACKGROUND OF $H_2$ -DISSOCIATING RADIATION DURING COSMIC REIONIZATION. Astrophysical Journal, 2009, 695, 1430-1445.   | 4.5 | 109       |
| 18 | Dynamical HiiRegion Evolution in Turbulent Molecular Clouds. Astrophysical Journal, 2006, 647, 397-403.  | 4.5 | 105       |

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|----|---|-----|-----------|
| 19 | Redshift-space distortion of the 21-cm background from the epoch of reionization - I. Methodology re-examined. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 926-954.                             | 4.4 | 102       |
| 20 | DETECTING THE RISE AND FALL OF THE FIRST STARS BY THEIR IMPACT ON COSMIC REIONIZATION. <i>Astrophysical Journal Letters</i> , 2012, 756, L16.   | 8.3 | 96        |
| 21 | Probing ionospheric structures using the LOFAR radio telescope. <i>Radio Science</i> , 2016, 51, 927-941.   | 1.6 | 95        |
| 22 | Cosmological radiative transfer comparison project "II. The radiation-hydrodynamic tests. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 1283-1316.  | 4.4 | 94        |
| 23 | On the use of Ly $\alpha$ emitters as probes of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1366-1381.  | 4.4 | 94        |
| 24 | Non-linear clustering during the cosmic Dark Ages and its effect on the 21-cm background from minihaloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 341, 81-90.                                    | 4.4 | 89        |
| 25 | Cosmic Dawn II (CoDa II): a new radiation-hydrodynamics simulation of the self-consistent coupling of galaxy formation and reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4087-4107. | 4.4 | 89        |
| 26 | A model for the post-collapse equilibrium of cosmological structure: truncated isothermal spheres from top-hat density perturbations. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 307, 203-224.      | 4.4 | 87        |
| 27 | Light-cone effect on the reionization 21-cm power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 1877-1891.  | 4.4 | 87        |
| 28 | Topology and sizes of H $\alpha$ regions during cosmic reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 1353-1372.   | 4.4 | 82        |
| 29 | The Impact of Small-scale Structure on Cosmological Ionization Fronts and Reionization. <i>Astrophysical Journal</i> , 2005, 624, 491-504.  | 4.5 | 81        |
| 30 | Can 21-cm observations discriminate between high-mass and low-mass galaxies as reionization sources?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2222-2253.                                    | 4.4 | 80        |
| 31 | starbench: the D-type expansion of an H $\alpha$ region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1324-1343.   | 4.4 | 80        |
| 32 | The first power spectrum limit on the 21-cm signal of neutral hydrogen during the Cosmic Dawn at $z=20-25$ from LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4271-4287.                   | 4.4 | 77        |
| 33 | The effect of minihaloes on cosmic reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 689-696.   | 4.4 | 75        |
| 34 | The effect of the intergalactic environment on the observability of Ly $\alpha$ emitters during reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 63-83.                                | 4.4 | 73        |
| 35 | Systematic biases in low-frequency radio interferometric data due to calibration: the LOFAR-EoR case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4317-4330.                                    | 4.4 | 73        |
| 36 | The post-collapse equilibrium structure of cosmological haloes in a low-density universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 325, 468-482.  | 4.4 | 71        |

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|----|---|-----|-----------|
| 37 | Probing reionization with LOFAR using 21-cm redshift space distortions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 460-474.  | 4.4 | 69        |
| 38 | Constraining the intergalactic medium at $z \approx 9.1$ using LOFAR Epoch of Reionization observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4728-4747.                     | 4.4 | 69        |
| 39 | THE KINETIC SUNYAEV-ZEL'DOVICH EFFECT AS A PROBE OF THE PHYSICS OF COSMIC REIONIZATION: THE EFFECT OF SELF-REGULATED REIONIZATION. <i>Astrophysical Journal</i> , 2013, 769, 93.                              | 4.5 | 64        |
| 40 | The Kinetic Sunyaev-Zel'dovich Effect from Radiative Transfer Simulations of Patchy Reionization. <i>Astrophysical Journal</i> , 2007, 660, 933-944.  | 4.5 | 61        |
| 41 | Linear polarization structures in LOFAR observations of the interstellar medium in the 3C196 field. <i>Astronomy and Astrophysics</i> , 2015, 583, A137.  | 5.1 | 60        |
| 42 | Cosmic variance of the local Hubble flow in large-scale cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 1805-1812.  | 4.4 | 58        |
| 43 | Polarization leakage in epoch of reionization windows I. Low Frequency Array observations of the 3C196 field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3709-3727.                | 4.4 | 58        |
| 44 | Current models of the observable consequences of cosmic reionization and their detectability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 863-874.                                  | 4.4 | 56        |
| 45 | Light cone effect on the reionization 21-cm signal II. Evolution, anisotropies and observational implications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1491-1506.               | 4.4 | 55        |
| 46 | Tight constraints on the excess radio background at $z = 9.1$ from LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4178-4191.  | 4.4 | 55        |
| 47 | Detection and extraction of signals from the epoch of reionization using higher-order one-point statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1449-1458.                  | 4.4 | 52        |
| 48 | Bubble size statistics during reionization from 21-cm tomography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 2949-2964.  | 4.4 | 50        |
| 49 | The 21 cm Background from the Cosmic Dark Ages: Minihalos and the Intergalactic Medium before Reionization. <i>Astrophysical Journal</i> , 2006, 646, 681-690.  | 4.5 | 48        |
| 50 | THE COSMIC NEAR-INFRARED BACKGROUND. II. FLUCTUATIONS. <i>Astrophysical Journal</i> , 2010, 710, 1089-1110.   | 4.5 | 48        |
| 51 | Statistics of extreme objects in the Juropa Hubble Volume simulation.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 3776-3786.   | 4.4 | 48        |
| 52 | The large-scale observational signatures of low-mass galaxies during reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3011-3029.   | 4.4 | 46        |
| 53 | Interpreting LOFAR 21-cm signal upper limits at $z \approx 9.1$ in the context of high- $z$ galaxy and reionization observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1-13. | 4.4 | 46        |
| 54 | The 21-cm bispectrum as a probe of non-Gaussianities due to X-ray heating. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2653-2669.   | 4.4 | 44        |

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|----|---|-----|-----------|
| 55 | Implications of WMAP 3 Year Data for the Sources of Reionization. <i>Astrophysical Journal</i> , 2006, 644, L101-L104.  | 4.5 | 41        |
| 56 | Relativistic Ionization Fronts. <i>Astrophysical Journal</i> , 2006, 648, 922-935.  | 4.5 | 40        |
| 57 | Simulating the impact of X-ray heating during the cosmic dawn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3785-3797.   | 4.4 | 40        |
| 58 | Suppression of star formation in low-mass galaxies caused by the reionization of their local neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1740-1753.                  | 4.4 | 39        |
| 59 | Studying reionization with the next generation of Ly $\alpha$ emitter surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 2114-2127.   | 4.4 | 38        |
| 60 | The Jubilee ISW Project - II. Observed and simulated imprints of voids and superclusters on the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 446, 1321-1334. | 4.4 | 36        |
| 61 | Recovering the H $\alpha$ region size statistics from 21-cm tomography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1936-1954.  | 4.4 | 36        |
| 62 | Signature of patchy reionization in the polarization anisotropy of the CMB. <i>Physical Review D</i> , 2007, 76, .  | 4.7 | 35        |
| 63 | Prospects of observing a quasar H $\alpha$ region during the epoch of reionization with the redshifted 21-cm signal. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 762-778.           | 4.4 | 35        |
| 64 | Non-linear bias of cosmological halo formation in the early universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1486-1502.  | 4.4 | 34        |
| 65 | Comparing foreground removal techniques for recovery of the LOFAR-EoR 21-cm power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2264-2277.                                  | 4.4 | 34        |
| 66 | Self-similarity and universality of void density profiles in simulation and SDSS data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3997-4009.                                       | 4.4 | 33        |
| 67 | Galactic ionizing photon budget during the epoch of reionization in the Cosmic Dawn II simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4342-4357.                           | 4.4 | 32        |
| 68 | The Inhomogeneous Reionization Times of Present-day Galaxies. <i>Astrophysical Journal Letters</i> , 2018, 856, L22.  | 8.3 | 31        |
| 69 | Evaluating the QSO contribution to the 21-cm signal from the Cosmic Dawn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1101-1119.  | 4.4 | 31        |
| 70 | Measuring the history of cosmic reionization using the 21-cm probability distribution function from simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 2521-2532.             | 4.4 | 30        |
| 71 | The wedge bias in reionization 21-cm power spectrum measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 66-70.  | 4.4 | 29        |
| 72 | Dependence of the local reionization history on halo mass and environment: did Virgo reionize the Local Group?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 367-376.                | 4.4 | 28        |

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|----|--|------|-----------|
| 73 | The Jubilee ISW project – I. Simulated ISW and weak lensing maps and initial power spectra results. Monthly Notices of the Royal Astronomical Society, 2014, 438, 412-425.                   | 4.4  | 28        |
| 74 | THE COSMIC NEAR INFRARED BACKGROUND. III. FLUCTUATIONS, REIONIZATION, AND THE EFFECTS OF MINIMUM MASS AND SELF-REGULATION. Astrophysical Journal, 2012, 750, 20.                             | 4.5  | 27        |
| 75 | Radiative transfer of energetic photons: X-rays and helium ionization in C2-Ray. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2232-2250.                                    | 4.4  | 27        |
| 76 | Observing supermassive dark stars with James Webb Space Telescope. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2164-2186.  | 4.4  | 27        |
| 77 | Predictions for the 21 cm-galaxy cross-power spectrum observable with LOFAR and Subaru. Monthly Notices of the Royal Astronomical Society, 2016, 457, 666-675.                               | 4.4  | 27        |
| 78 | On the Mass Profile of Galaxy Cluster C[CLC] 0024+1654 Inferred from Strong Lensing. Astrophysical Journal, 2000, 542, L1-L4.  | 4.5  | 27        |
| 79 | Polarization leakage in epoch of reionization windows – II. Primary beam model and direction-dependent calibration. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4482-4494. | 4.4  | 26        |
| 80 | Neutral island statistics during reionization from 21-cm tomography. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1590-1605.  | 4.4  | 25        |
| 81 | Will Nonlinear Peculiar Velocity and Inhomogeneous Reionization Spoil 21cm Cosmology from the Epoch of Reionization?. Physical Review Letters, 2013, 110, 151301.                            | 7.8  | 24        |
| 82 | Effects of the sources of reionization on 21-cm redshift-space distortions. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2080-2094.   | 4.4  | 24        |
| 83 | A PHYSICAL MODEL OF Ly $\alpha$ EMITTERS. Astrophysical Journal, 2009, 704, 724-732.   | 4.5  | 23        |
| 84 | Reionization of the Local Group of galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2093-2102.  | 4.4  | 22        |
| 85 | Predictions for measuring the 21-cm multifrequency angular power spectrum using SKA-Low. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4043-4056.                            | 4.4  | 22        |
| 86 | Observational constraints on supermassive dark stars. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 407, L74-L78.  | 3.3  | 21        |
| 87 | kSZ from patchy reionization: The view from the simulations. New Astronomy Reviews, 2006, 50, 909-917.   | 12.8 | 20        |
| 88 | Lyman- $\alpha$ transmission properties of the intergalactic medium in the CoDall simulation. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3697-3709.                       | 4.4  | 20        |
| 89 | 2D GENUS TOPOLOGY OF 21-CM DIFFERENTIAL BRIGHTNESS TEMPERATURE DURING COSMIC REIONIZATION. Journal of the Korean Astronomical Society, 2014, 47, 49-67.                                      | 1.5  | 20        |
| 90 | A method to determine the evolution history of the mean neutral Hydrogen fraction. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 483, L109-L113.                         | 3.3  | 19        |

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|-----|---|-----|-----------|
| 91  | The impact of inhomogeneous subgrid clumping on cosmic reionization. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1600-1621.   | 4.4 | 19        |
| 92  | Redshifted 21-cm bispectrum II. Impact of the spin temperature fluctuations and redshift space distortions on the signal from the Cosmic Dawn. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3800-3813. | 4.4 | 19        |
| 93  | Stars and reionization: the cross-correlation of the 21-cm line and the near-infrared background. Monthly Notices of the Royal Astronomical Society, 2014, 440, 298-306.  | 4.4 | 18        |
| 94  | Crucial Factors for Ly $\alpha$ Transmission in the Reionizing Intergalactic Medium: Infall Motion, H II Bubble Size, and Self-shielded Systems. Astrophysical Journal, 2021, 922, 263.                                 | 4.5 | 17        |
| 95  | Reconstructing the Thomson Optical Depth due to Patchy Reionization with 21 cm Fluctuation Maps. Astrophysical Journal, 2007, 663, L1-L4.   | 4.5 | 16        |
| 96  | Extracting the late-time kinetic Sunyaev-Zel'dovich effect. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2425-2442.  | 4.4 | 16        |
| 97  | The effects of Lyman-limit systems on the evolution and observability of the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2016, 458, 135-150.  | 4.4 | 16        |
| 98  | Deep learning approach for identification of H II regions during reionization in 21-cm observations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3982-3997.   | 4.4 | 16        |
| 99  | Simulating the 21-cm forest detectable with LOFAR and SKA in the spectra of high- $z$ GRBs. Monthly Notices of the Royal Astronomical Society, 2015, 453, 101-105.  | 4.4 | 15        |
| 100 | A numerical study of 21-cm signal suppression and noise increase in direction-dependent calibration of LOFAR data. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3693-3702.                             | 4.4 | 15        |
| 101 | Using artificial neural networks to constrain the halo baryon fraction during reionization. Monthly Notices of the Royal Astronomical Society, 2018, 473, 38-58.  | 4.4 | 14        |
| 102 | Redshift-space distortions in simulations of the 21-cm signal from the cosmic dawn. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3717-3733.  | 4.4 | 14        |
| 103 | The Central Mass and Phase-Space Densities of Dark Matter Halos: Cosmological Implications. Astrophysical Journal, 2002, 565, L1-L4.  | 4.5 | 13        |
| 104 | The brightness and spatial distributions of terrestrial radio sources. Monthly Notices of the Royal Astronomical Society, 2013, 435, 584-596.   | 4.4 | 12        |
| 105 | The impact of inhomogeneous subgrid clumping on cosmic reionization II. Modelling stochasticity. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2443-2460.   | 4.4 | 12        |
| 106 | On the Origin of the Rotation Curves of Dark Matter-dominated Galaxies. Astrophysical Journal, 2001, 546, L5-L8.  | 4.5 | 11        |
| 107 | Reionization of the Milky Way, M31, and their satellites I. Reionization history and star formation. Monthly Notices of the Royal Astronomical Society, 2018, 477, 867-881.   | 4.4 | 11        |
| 108 | Predictions for the 21-cm-galaxy cross-power spectrum observable with SKA and future galaxy surveys. Monthly Notices of the Royal Astronomical Society, 0, , .  | 4.4 | 11        |

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|-----|---|------|-----------|
| 109 | The inhomogeneous reionization of the local intergalactic medium by metal-poor globular clusters. Monthly Notices of the Royal Astronomical Society, 2013, 431, 3087-3102.            | 4.4  | 10        |
| 110 | Modelling the stochasticity of high-redshift halo bias. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3294-3309.  | 4.4  | 9         |
| 111 | Reionization: characteristic scales, topology and observability. Astrophysics and Space Science, 2009, 320, 39-43.  | 1.4  | 7         |
| 112 | A NOVEL APPROACH TO CONSTRAIN THE ESCAPE FRACTION AND DUST CONTENT AT HIGH REDSHIFT USING THE COSMIC INFRARED BACKGROUND FRACTIONAL ANISOTROPY. Astrophysical Journal, 2013, 764, 56. | 4.5  | 7         |
| 113 | Universal void density profiles from simulation and SDSS. Proceedings of the International Astronomical Union, 2014, 11, 542-545.   | 0.0  | 6         |
| 114 | Epoch of Reionization modelling and simulations for SKA. , 2015, , .  |      | 6         |
| 115 | Statistical analysis of the causes of excess variance in the 21 cm signal power spectra obtained with the Low-Frequency Array. Astronomy and Astrophysics, 2022, 663, A9.             | 5.1  | 6         |
| 116 | The 21 centimeter background from the cosmic dark ages: Minihalos and the intergalactic medium before reionization. New Astronomy Reviews, 2006, 50, 179-183.                         | 12.8 | 5         |
| 117 | The Theory and Simulation of the 21cm Background from the Epoch of Reionization. AIP Conference Proceedings, 2008, , .  | 0.4  | 5         |
| 118 | The H $\alpha$ bias during the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5739-5748.  | 4.4  | 5         |
| 119 | Fate of clumps in damped Ly $\alpha$ systems. Monthly Notices of the Royal Astronomical Society, 2006, 368, 1885-1892.  | 4.4  | 4         |
| 120 | Simulating cosmic reionization and the radiation backgrounds from the epoch of reionization. AIP Conference Proceedings, 2012, , .  | 0.4  | 3         |
| 121 | Particle motion in weak relativistic gravitational fields. Physical Review D, 2012, 86, , .   | 4.7  | 3         |
| 122 | Understanding the Equilibrium Structure of CDM Halos. EAS Publications Series, 2006, 20, 5-10.  | 0.3  | 3         |
| 123 | Ionisation fronts and their interaction with density fluctuations: implications for reionisation. Proceedings of the International Astronomical Union, 2005, 1, 369-374.              | 0.0  | 2         |
| 124 | Simulating Reionization: Character and Observability. , 2008, , .   |      | 2         |
| 125 | Effects of small-scale structure on the progress and duration of reionization. Proceedings of the International Astronomical Union, 2004, 2004, , .                                   | 0.0  | 1         |
| 126 | Distributed, Scalable Clustering for Detecting Halos in Terascale Astronomy Datasets. , 2010, , .   |      | 1         |



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|-----|--|-----|-----------|
| 127 | Scattering of Ly $\alpha$ Photons through the Reionizing Intergalactic Medium: I. Spectral Energy Distribution. <i>Astrophysical Journal</i> , 2022, 931, 126. | 4.5 | 1         |
| 128 | Cosmological Reionization by the First Stars in the H[ <sub>2</sub> ]-Dissociating Background. , 2010, , .   |     | 0         |
| 129 | Effect of primordial non-Gaussianity on halo bias and mass function. , 2010, , .   |     | 0         |
| 130 | Using the cosmic infrared background to deduce properties of high redshift stars. , 2012, , .  |     | 0         |
| 131 | The ISW imprints of voids and superclusters on the CMB. <i>Proceedings of the International Astronomical Union</i> , 2014, 11, 580-584.                        | 0.0 | 0         |
| 132 | Radiative Feedback Effects during Cosmic Reionization. <i>Proceedings of the International Astronomical Union</i> , 2014, 11, 372-377.                         | 0.0 | 0         |
| 133 | Simulating the cosmic dawn. <i>Astronomy and Geophysics</i> , 2015, 56, 3.31-3.33.   | 0.2 | 0         |
| 134 | New simulation of QSO X-ray heating during the Cosmic Dawn. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 34-38.                      | 0.0 | 0         |
| 135 | Reionization: characteristic scales, topology and observability. , 2008, , 39-43.  |     | 0         |
| 136 | Character and detectability of the dark ages and the epoch of reionization: the view from the simulations. , 2008, , .   |     | 0         |
| 137 | The Small Scale Structure of the Universe. , 2016, , 119-134.  |     | 0         |