

# Benjamin D Oppenheimer

## List of Publications by Year in descending order

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84  
papers

7,830  
citations

47006

47  
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58581

82  
g-index

84  
all docs

84  
docs citations

84  
times ranked

3490  
citing authors

#	ARTICLE	IF	CITATIONS
1	The COS CGM Compendium. IV. Effects of Varying Ionization Backgrounds on Metallicity Determinations in the $z \lesssim 1$ Circumgalactic Medium. <i>Astronomical Journal</i> , 2022, 164, 9.	4.7	6
2	Simulating Groups and the IntraGroup Medium: The Surprisingly Complex and Rich Middle Ground between Clusters and Galaxies. <i>Universe</i> , 2021, 7, 209.	2.5	46
3	The quenching and morphological evolution of central galaxies is facilitated by the feedback-driven expulsion of circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4462-4480.	4.4	94
4	The lensing properties of subhaloes in massive elliptical galaxies in sterile neutrino cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1295-1310.	4.4	13
5	The warm-hot circumgalactic medium around EAGLE-simulation galaxies and its detection prospects with X-ray and UV line absorption. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 574-598.	4.4	31
6	EAGLE and Illustris-TNG Predictions for Resolved eROSITA X-Ray Observations of the Circumgalactic Medium around Normal Galaxies. <i>Astrophysical Journal Letters</i> , 2020, 893, L24.	8.3	35
7	The impact of wind scalings on stellar growth and the baryon cycle in cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1-28.	4.4	6
8	Feedback from supermassive black holes transforms centrals into passive galaxies by ejecting circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2939-2952.	4.4	51
9	The changing circumgalactic medium over the last 10 Gyr. I. Physical and dynamical properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1476-1490.	4.4	9
10	Tentative detection of the circumgalactic medium of the isolated low-mass dwarf galaxy WLM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 467-477.	4.4	9
11	The abundance and physical properties of O VII and O VIII X-ray absorption systems in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2947-2969.	4.4	33
12	The gas fractions of dark matter haloes hosting simulated $\sim 1/4 L^*$ galaxies are governed by the feedback history of their black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3783-3793.	4.4	66
13	The COS CGM Compendium. II. Metallicities of the Partial and Lyman Limit Systems at $z \lesssim 1$ . <i>Astrophysical Journal</i> , 2019, 872, 81.	4.5	44
14	The Ultraviolet Detection of Diffuse Gas in Galaxy Groups. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 15.	7.7	11
15	The robustness of cosmological hydrodynamic simulation predictions to changes in numerics and cooling physics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2021-2046.	4.4	12
16	The COS CGM Compendium. III. Metallicity and Physical Properties of the Cool Circumgalactic Medium at $z \lesssim 1$ . <i>Astrophysical Journal</i> , 2019, 887, 5.	4.5	36
17	Reionization in Technicolor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2628-2649.	4.4	51
18	The multiphase circumgalactic medium traced by low metal ions in EAGLE zoom simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 835-859.	4.4	64

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19	Deviations from hydrostatic equilibrium in the circumgalactic medium: spinning hot haloes and accelerating flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2963-2975.	4.4	54
20	The metallicity distribution of H $\alpha$ systems in the EAGLE cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4865-4871.	4.4	16
21	The COS CGM Compendium. I. Survey Design and Initial Results. <i>Astrophysical Journal</i> , 2018, 866, 33.	4.5	35
22	The COS-AGN survey: revealing the nature of circumgalactic gas around hosts of active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3890-3934.	4.4	18
23	Aligned metal absorbers and the ultraviolet background at the end of reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4717-4727.	4.4	14
24	Flickering AGN can explain the strong circumgalactic O $\alpha$ observed by COS-Halos. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4740-4755.	4.4	72
25	The Warm Circumgalactic Medium: 10 <sup>5.6</sup> K Gas Associated with a Single Galaxy Halo or with an Entire Group of Galaxies?. <i>Astrophysical Journal</i> , 2017, 838, 37.	4.5	16
26	The minimum halo mass for star formation at $z \approx 6$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1633-1639.	4.4	21
27	Probing the Metal Enrichment of the Intergalactic Medium at $z \approx 6$ Using the Hubble Space Telescope. <i>Astrophysical Journal Letters</i> , 2017, 849, L18.	8.3	13
28	Metals in the circumgalactic medium are out of ionization equilibrium due to fluctuating active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1026-1044.	4.4	25
29	The growth and enrichment of intragroup gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 4266-4290.	4.4	34
30	Bimodality of low-redshift circumgalactic O $\alpha$ in non-equilibrium eagle zoom simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2157-2179.	4.4	159
31	Cosmic distribution of highly ionized metals and their physical conditions in the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 310-332.	4.4	85
32	Baryon cycling in the low-redshift circumgalactic medium: a comparison of simulations to the COS-Halos survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 1745-1763.	4.4	65
33	The global oxygen yield budget followed in hydrodynamic simulations. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 180-181.	0.0	0
34	NEARBY GALAXY FILAMENTS AND THE Ly $\alpha$ FOREST: CONFRONTING SIMULATIONS AND THE UV BACKGROUND WITH OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 814, 40.	4.5	77
35	The impact of environment and mergers on the H $\alpha$ content of galaxies in hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 3981-3999.	4.4	28
36	TORQUE-LIMITED GROWTH OF MASSIVE BLACK HOLES IN GALAXIES ACROSS COSMIC TIME. <i>Astrophysical Journal</i> , 2015, 800, 127.	4.5	62

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37	The reionization of carbon. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2526-2539.	4.4	40
38	THE COS-HALOS SURVEY: PHYSICAL CONDITIONS AND BARYONIC MASS IN THE LOW-REDSHIFT CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2014, 792, 8.	4.5	464
39	Tracing inflows and outflows with absorption lines in circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1260-1281.	4.4	131
40	THE COS-DWARFS SURVEY: THE CARBON RESERVOIR AROUND SUB-L* GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 136.	4.5	196
41	COSMOLOGICAL ZOOM SIMULATIONS OF $z = 2$ GALAXIES: THE IMPACT OF GALACTIC OUTFLOWS. <i>Astrophysical Journal</i> , 2014, 782, 84.	4.5	55
42	A BUDGET AND ACCOUNTING OF METALS AT $z \approx 0$ : RESULTS FROM THE COS-HALOS SURVEY. <i>Astrophysical Journal</i> , 2014, 786, 54.	4.5	256
43	THE PHOTON UNDERPRODUCTION CRISIS. <i>Astrophysical Journal Letters</i> , 2014, 789, L32.	8.3	89
44	THE COS-HALOS SURVEY: RATIONALE, DESIGN, AND A CENSUS OF CIRCUMGALACTIC NEUTRAL HYDROGEN. <i>Astrophysical Journal</i> , 2013, 777, 59.	4.5	285
45	Non-equilibrium ionization and cooling of metal-enriched gas in the presence of a photoionization background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1043-1062.	4.4	118
46	The neutral hydrogen content of galaxies in cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 2645-2663.	4.4	164
47	Hydrogen and metal line absorption around low-redshift galaxies in cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 89-112.	4.4	99
48	The host haloes of O <sup>VI</sup> absorbers in the reionization epoch. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1818-1835.	4.4	37
49	AGN proximity zone fossils and the delayed recombination of metal lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1063-1078.	4.4	58
50	The effect of metal enrichment and galactic winds on galaxy formation in cosmological zoom simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 2929-2949.	4.4	77
51	THE HIGH-ION CONTENT AND KINEMATICS OF LOW-REDSHIFT LYMAN LIMIT SYSTEMS. <i>Astrophysical Journal</i> , 2013, 778, 187.	4.5	30
52	SHORT-LIVED STAR-FORMING GIANT CLUMPS IN COSMOLOGICAL SIMULATIONS OF $z \approx 2$ DISKS. <i>Astrophysical Journal</i> , 2012, 745, 11.	4.5	146
53	NOT DEAD YET: COOL CIRCUMGALACTIC GAS IN THE HALOS OF EARLY-TYPE GALAXIES. <i>Astrophysical Journal Letters</i> , 2012, 758, L41.	8.3	128
54	A fundamental problem in our understanding of low-mass galaxy evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2797-2812.	4.4	139

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55	The intergalactic medium over the last 10 billion years - II. Metal-line absorption and physical conditions. Monthly Notices of the Royal Astronomical Society, 2012, 420, 829-859.	4.4	108
56	Testing subhalo abundance matching in cosmological smoothed particle hydrodynamics simulations. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3458-3473.	4.4	47
57	Galaxy evolution in cosmological simulations with outflows - I. Stellar masses and star formation rates. Monthly Notices of the Royal Astronomical Society, 2011, 415, 11-31.	4.4	297
58	Galaxy evolution in cosmological simulations with outflows - II. Metallicities and gas fractions. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1354-1376.	4.4	335
59	Quenching massive galaxies with on-the-fly feedback in cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2676-2695.	4.4	67
60	An analytic model for the evolution of the stellar, gas and metal content of galaxies. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	279
61	The Large, Oxygen-Rich Halos of Star-Forming Galaxies Are a Major Reservoir of Galactic Metals. Science, 2011, 334, 948-952.	12.6	442
62	A SEARCH FOR OXYGEN IN THE LOW-DENSITY Ly $\alpha$ FOREST USING THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, 2010, 716, 1084-1094.	4.5	19
63	The intergalactic medium over the last 10 billion years - I. Ly $\alpha$ absorption and physical conditions. Monthly Notices of the Royal Astronomical Society, 2010, 408, 2051-2070.	4.4	117
64	Smoothly rising star formation histories during the reionization epoch. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	75
65	Intergalactic dust extinction in hydrodynamic cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	9
66	The nature of submillimetre galaxies in cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	89
67	Feedback and recycled wind accretion: assembling the z=0 galaxy mass function. Monthly Notices of the Royal Astronomical Society, 2010, 406, 2325-2338.	4.4	410
68	How is star formation quenched in massive galaxies?. Monthly Notices of the Royal Astronomical Society, 2010, 407, 749-771.	4.4	75
69	The nature and origin of low-redshift O $\alpha$ absorbers. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1875-1904.	4.4	112
70	Tracing the re-ionization-epoch intergalactic medium with metal absorption lines. Monthly Notices of the Royal Astronomical Society, 2009, 396, 729-758.	4.4	81
71	The late reionization of filaments. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1049-1061.	4.4	42
72	Mass, metal, and energy feedback in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2008, 387, 577-600.	4.4	431

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73	Enrichment and pre-heating in intragroup gas from galactic outflows. Monthly Notices of the Royal Astronomical Society, 2008, 391, 110-123.	4.4	62
74	The Flux Auto- and Cross-Correlation of the Ly $\alpha$ Forest. II. Modeling Anisotropies with Cosmological Hydrodynamic Simulations. Astrophysical Journal, 2008, 675, 946-959.	4.5	4
75	The Mass-Metallicity Relation in Cosmological Hydrodynamic Simulations. EAS Publications Series, 2007, 24, 183-189.	0.3	4
76	The enrichment history of baryons in the Universe. Monthly Notices of the Royal Astronomical Society, 2007, 374, 427-435.	4.4	82
77	Constraints on physical properties of $z \sim 6$ galaxies using cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1861-1878.	4.4	71
78	When Does the Intergalactic Medium Become Enriched?. EAS Publications Series, 2007, 24, 157-162.	0.3	3
79	Optical Spectropolarimetry of Asymptotic Giant Branch and Post-Asymptotic Giant Branch Stars. Astrophysical Journal, 2006, 639, 1053-1068.	4.5	16
80	The physical properties and detectability of reionization-epoch galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 370, 273-288.	4.4	76
81	Cosmological simulations of intergalactic medium enrichment from galactic outflows. Monthly Notices of the Royal Astronomical Society, 2006, 373, 1265-1292.	4.4	511
82	A Search for Substellar Companions around 15 Weak-Lined T Tauri Stars with the Planetary Camera 2 of the Hubble Space Telescope. Astronomical Journal, 2005, 129, 2294-2307.	4.7	18
83	Scientific results from the MMT Natural Guide Star Adaptive Optics System. , 2004, , .		6
84	An Analysis of AAVSO Observations of Z Camelopardalis. Astronomical Journal, 1998, 115, 1175-1189.	4.7	19