

# Cedric G Lacey

## List of Publications by Year in descending order

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111  
papers

11,096  
citations

47004

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28296

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g-index

112  
all docs

112  
docs citations

112  
times ranked

5170  
citing authors

#	ARTICLE	IF	CITATIONS
1	Halo merger tree comparison: impact on galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5500-5519.	4.4	7
2	The spatial distribution of satellites in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2022, 514, 390-402.	4.4	4
3	Efficient exploration and calibration of a semi-analytical model of galaxy formation with deep learning. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4011-4030.	4.4	3
4	How well is angular momentum accretion modelled in semi-analytic galaxy formation models?. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4241-4261.	4.4	1
5	Statistics of galaxy mergers: bridging the gap between theory and observation. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5918-5937.	4.4	17
6	Modelling emission lines in star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1880-1893.	4.4	4
7	Q&#o%wind code release: a non-hydrodynamical approach to modelling line-driven winds in active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2020, 495, 402-412.	4.4	8
8	Do model emission line galaxies live in filaments at $z \hat{\sim} 1$ ? Monthly Notices of the Royal Astronomical Society, 2020, 498, 1852-1870.	4.4	27
9	Galaxy properties in the cosmic web of EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1839-1851.	4.4	11
10	AGNs at the cosmic dawn: predictions for future surveys from a $\hat{\Lambda}$ CDM cosmological model. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2535-2552.	4.4	7
11	Are $L_{\hat{\gamma}} \hat{\pm}$ emitters segregated in protoclusters regions?. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2104-2115.	4.4	3
12	Determining the systemic redshift of Lyman&#o%l&#pm emitters with neural networks and improving the measured large-scale clustering. Monthly Notices of the Royal Astronomical Society, 2020, 500, 603-626.	4.4	6
13	The evolution of the UV-to-mm extragalactic background light: evidence for a top-heavy initial mass function?. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3082-3101.	4.4	20
14	$L_{\hat{\gamma}} \hat{\pm}$ emitters in a cosmological volume &#o% I. The impact of radiative transfer. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1882-1906.	4.4	12
15	The evolution of SMBH spin and AGN luminosities for $z \hat{\leq} 6$ within a semi-analytic model of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2019, 487, 198-227.	4.4	31
16	A comparison between semi-analytical gas cooling models and cosmological hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1691-1717.	4.4	5
17	The first supermassive black holes: indications from models for future observations. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2694-2709.	4.4	29
18	Galaxy formation in the Planck Millennium: the atomic hydrogen content of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4922-4937.	4.4	72

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19	Comparing galaxy formation in semi-analytic models and hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 492-521.	4.4	42
20	Predictions for deep galaxy surveys with JWST from $\Lambda$ CDM. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2352-2372.	4.4	46
21	The large-scale effect of environment on galactic conformity. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3136-3144.	4.4	7
22	JINGLE, a JCMT legacy survey of dust and gas for galaxy evolution studies – I. Survey overview and first results. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3497-3519.	4.4	30
23	The host dark matter haloes of [OIII] emitters at $0.5 < z < 1.5$ . Monthly Notices of the Royal Astronomical Society, 2018, 474, 4024-4038.	4.4	60
24	A new gas cooling model for semi-analytic galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2018, 475, 543-569.	4.4	11
25	The SCUBA-2 Cosmology Legacy Survey: The EGS deep field – II. Morphological transformation and multiwavelength properties of faint submillimetre galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5585-5602.	4.4	35
26	The environment of radio galaxies: a signature of AGN feedback at high redshifts. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1340-1352.	4.4	9
27	The metal enrichment of passive galaxies in cosmological simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4866-4874.	4.4	16
28	Understanding the non-linear clustering of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4428-4436.	4.4	17
29	Blending bias impacts the host halo masses derived from a cross-correlation analysis of bright submillimetre galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3396-3404.	4.4	10
30	HELP: xid+, the probabilistic de-blender for Herschel/SPIRE maps. Monthly Notices of the Royal Astronomical Society, 2017, 464, 885-896.	4.4	89
31	The faint end of the $250\frac{1}{2}$ $\mu$ m luminosity function at $z < 0.5$ . Astronomy and Astrophysics, 2016, 592, L5.	5.1	7
32	Constraining SN feedback: a tug of war between reionization and the Milky Way satellites. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1224-1239.	4.4	10
33	Reionization in sterile neutrino cosmologies. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3848-3859.	4.4	31
34	The environments of high-redshift radio galaxies and quasars: probes of protoclusters. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3827-3839.	4.4	39
35	The clustering of dark matter haloes: scale-dependent bias on quasi-linear scales. Monthly Notices of the Royal Astronomical Society, 2016, 463, 270-281.	4.4	13
36	A unified multiwavelength model of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3854-3911.	4.4	290

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37	GAMA/H-ATLAS: common star formation rate indicators and their dependence on galaxy physical parameters. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1898-1916.	4.4	14
38	Galaxies in the EAGLE hydrodynamical simulation and in the Durham and Munich semi-analytical models. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3457-3482.	4.4	85
39	The evolution of the stellar mass versus halo mass relationship. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1459-1483.	4.4	37
40	The clustering evolution of dusty star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1621-1641.	4.4	18
41	HerMES: ALMA IMAGING OF <i>HERSCHEL</i> -SELECTED DUSTY STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 812, 43.	4.5	88
42	The star formation and AGN luminosity relation: predictions from a semi-analytical model. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3759-3767.	4.4	7
43	Evolution of the dust emission of massive galaxies up to $z = 4$ and constraints on their dominant mode of star formation. Astronomy and Astrophysics, 2015, 573, A113.	5.1	221
44	Simulated observations of sub-millimetre galaxies: the impact of single-dish resolution and field variance. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1784-1798.	4.4	73
45	The origin of the atomic and molecular gas contents of early-type galaxies II. Misaligned gas accretion. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1271-1287.	4.4	49
46	The environments of Ly $\alpha$ blobs I. Wide-field Ly $\alpha$ imaging of TN J1338+1942, a powerful radio galaxy at $z \approx 4.1$ associated with a giant Ly $\alpha$ nebula... Monthly Notices of the Royal Astronomical Society, 2015, 447, 3069-3086.	4.4	14
47	A new methodology to test galaxy formation models using the dependence of clustering on stellar mass. Monthly Notices of the Royal Astronomical Society, 2015, 452, 852-871.	4.4	23
48	Galaxy and mass assembly (GAMA): projected galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2120-2145.	4.4	50
49	The 0.1 <math>z</math> 1.65 evolution of the bright end of the [OIII] luminosity function. Astronomy and Astrophysics, 2015, 575, A40.	5.1	74
50	Herschel-ATLAS/GAMA: How does the far-IR luminosity function depend on galaxy group properties?. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2253-2270.	4.4	8
51	Clustering of extremely red objects in Elais-N1 from the UKIDSS DXS with optical photometry from Pan-STARRS 1 and Subaru. Monthly Notices of the Royal Astronomical Society, 2014, 438, 825-840.	4.4	14
52	The evolution of the star-forming sequence in hierarchical galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2637-2664.	4.4	53
53	The origin of the atomic and molecular gas contents of early-type galaxies I. A new test of galaxy formation physics. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1002-1021.	4.4	69
54	Galaxy And Mass Assembly (GAMA): the dependence of the galaxy luminosity function on environment, redshift and colour. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2125-2145.	4.4	49

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55	Extending the halo mass resolution of N-body simulations. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3256-3265.	4.4	16
56	How well can we really estimate the stellar masses of galaxies from broad-band photometry?. Monthly Notices of the Royal Astronomical Society, 2013, 435, 87-114.	4.4	133
57	A dynamical model of supernova feedback: gas outflows from the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1787-1817.	4.4	68
58	Single-colour diagnostics of the mass-to-light ratio $\alpha$ . I. Predictions from galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2013, 431, 430-439.	4.4	15
59	Lightcone mock catalogues from semi-analytic models of galaxy formation $\alpha$ . I. Construction and application to the BzK colour selection. Monthly Notices of the Royal Astronomical Society, 2013, 429, 556-578.	4.4	135
60	The accuracy of the UV continuum as an indicator of the star formation rate in galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1490-1496.	4.4	23
61	Predictions for the CO emission of galaxies from a coupled simulation of galaxy formation and photon-dominated regions. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2142-2165.	4.4	130
62	The evolution of active galactic nuclei across cosmic time: what is downsizing?. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2797-2820.	4.4	156
63	Predictions for the intrinsic UV continuum properties of star-forming galaxies and the implications for inferring dust extinction. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1522-1529.	4.4	29
64	Can galactic outflows explain the properties of Ly $\lambda$ emitters?. Monthly Notices of the Royal Astronomical Society, 2012, 425, 87-115.	4.4	50
65	The galaxies that reionized the Universe. Monthly Notices of the Royal Astronomical Society, 2011, 410, 775-787.	4.4	39
66	The evolution of Lyman-break galaxies in the cold dark matter model. Monthly Notices of the Royal Astronomical Society, 2011, 412, 1828-1852.	4.4	70
67	Which haloes host Herschel-ATLAS galaxies in the local Universe?. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2277-2285.	4.4	15
68	Numerical overcooling in shocks. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3706-3720.	4.4	47
69	Cosmic evolution of the atomic and molecular gas contents of galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 418, 1649-1667.	4.4	211
70	On the impact of empirical and theoretical star formation laws on galaxy formation. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1566-1584.	4.4	139
71	Designing a space-based galaxy redshift survey to probe dark energy. Monthly Notices of the Royal Astronomical Society, 2010, 409, 737-749.	4.4	75
72	AzTEC half square degree survey of the SHADES fields $\alpha$ . I. Maps, catalogues and source counts. Monthly Notices of the Royal Astronomical Society, 2010, 401, 160-176.	4.4	105

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73	The Herschel ATLAS. Publications of the Astronomical Society of the Pacific, 2010, 122, 499-515.	3.1	489
74	The SCUBA HALF Degree Extragalactic Survey â€“ VI. 350-1/4m mapping of submillimetre galaxies. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1597-1610.	4.4	108
75	The clustering of Ly $\alpha$ emitters in a $\Lambda$ CDM Universe. Monthly Notices of the Royal Astronomical Society, 2008, 391, 1589-1604.	4.4	54
76	A Population of Faint Extended Line Emitters and the Host Galaxies of Optically Thick QSO Absorption Systems. Astrophysical Journal, 2008, 681, 856-880.	4.5	199
77	The UDF05 Follow-up of the Hubble Ultra Deep Field. I. The Faint End Slope of the Lyman Break Galaxy Population at $z \approx 5$ . Astrophysical Journal, 2007, 671, 1212-1226.	4.5	85
78	The SCUBA Half-Degree Extragalactic Survey - II. Submillimetre maps, catalogue and number counts. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1621-1652.	4.4	360
79	Theoretical Models of the Halo Occupation Distribution: Separating Central and Satellite Galaxies. Astrophysical Journal, 2005, 633, 791-809.	4.5	652
80	The metal enrichment of the intracluster medium in hierarchical galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2005, 358, 1247-1266.	4.4	93
81	The SCUBA Half-Degree Extragalactic Survey – I. Survey motivation, design and data processing. Monthly Notices of the Royal Astronomical Society, 2005, 363, 563-580.	4.4	74
82	The abundance of Ly $\alpha$ emitters in hierarchical models. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 357, L11-L15.	3.3	53
83	Chemical enrichment of ICM in a hierarchical galaxy formation model including SNe Ia. Proceedings of the International Astronomical Union, 2004, 2004, .	0.0	0
84	Galaxy formation using halo merger histories taken from N-body simulations. Monthly Notices of the Royal Astronomical Society, 2003, 338, 903-912.	4.4	100
85	A comparison of gas dynamics in smooth particle hydrodynamics and semi-analytic models of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2003, 338, 913-925.	4.4	58
86	The properties of spiral galaxies: confronting hierarchical galaxy formation models with observations. Monthly Notices of the Royal Astronomical Society, 2003, 343, 367-384.	4.4	46
87	The Halo Occupation Distribution and the Physics of Galaxy Formation. Astrophysical Journal, 2003, 593, 1-25.	4.5	307
88	On the Origin of Intracluster Entropy. Astrophysical Journal, 2003, 593, 272-290.	4.5	135
89	Hierarchical galaxy formation. Monthly Notices of the Royal Astronomical Society, 2002, 319, 168-204.	4.4	1,523
90	Statistics of Neutral Regions during Hydrogen Reionization. Astrophysical Journal, 2002, 580, L93-L96.	4.5	9

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91	Modelling Dust in Galactic SEDs: Application to Semi-Analytical Galaxy Formation Models. <i>Astrophysics and Space Science</i> , 2001, 276, 1073-1078.	1.4	10
92	The evolution of disc galaxies. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000, 358, 2093-2107.	3.4	1
93	Scaling laws in gravitational clustering for counts-in-cells and mass functions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 311, 234-250.	4.4	20
94	The Local Space Density of $Sb\bar{a}cSdm$ Galaxies as Function of Their Scale Size, Surface Brightness, and Luminosity. <i>Astrophysical Journal</i> , 2000, 545, 781-797.	4.5	124
95	The Space Density of Spiral Galaxies as function of their Luminosity, Surface Brightness and Scale size. <i>International Astronomical Union Colloquium</i> , 1999, 171, 52-59.	0.1	2
96	Title is missing!. <i>Astrophysics and Space Science</i> , 1999, 269/270, 569-576.	1.4	3
97	How Dark Matter Halos Cluster in Lagrangian Space. <i>Astrophysical Journal</i> , 1999, 513, L99-L102.	4.5	30
98	The structure of dark matter haloes in hierarchical clustering models. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 281, 716-736.	4.4	495
99	Merger rates in hierarchical models of galaxy formation $\hat{a}c$ II. Comparison with N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 271, 676-692.	4.4	544
100	Merger rates in hierarchical models of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 262, 627-649.	4.4	1,764
101	Tidally triggered galaxy formation. II - Galaxy number counts. <i>Astrophysical Journal</i> , 1993, 402, 15.	4.5	72
102	Dwarf galaxies' vanishing act. <i>Nature</i> , 1991, 354, 430-431.	27.8	0
103	Tidally triggered galaxy formation. I - Evolution of the galaxy luminosity function. <i>Astrophysical Journal</i> , 1991, 381, 14.	4.5	101
104	The dark cloud revisited. <i>Nature</i> , 1989, 339, 256-256.	27.8	0
105	Starbursts, quasars and all that. <i>Nature</i> , 1989, 340, 675-676.	27.8	1
106	Gravitational instability in a primordial collapsing gas cloud. <i>Astrophysical Journal</i> , 1989, 336, 612.	4.5	6
107	The diffusion of stars through phase space. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 230, 597-627.	4.4	84
108	The structure of shocks with thermal conduction and radiative cooling. <i>Astrophysical Journal</i> , 1988, 326, 769.	4.5	12

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109	Energetic constraints on spectral distortions of the microwave background. <i>Astrophysical Journal</i> , 1988, 330, L1.	4.5	25
110	The far infra-red SEDs of main sequence and starburst galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx165.	4.4	14
111	$\text{Ly}\alpha$ emitters in a cosmological volume II: the impact of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	9