

# Nathan Bourne

## List of Publications by Year in descending order

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98  
papers

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citations

66343

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98798

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101  
all docs

101  
docs citations

101  
times ranked

4059  
citing authors

#	ARTICLE	IF	CITATIONS
1	Herschel~...-ATLAS: rapid evolution of dust in galaxies over the last 5 billion years. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1510-1533.	4.4	198
2	Galaxy And Mass Assembly: the G02 field, Herschel~"ATLAS target selection and data release 3. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3875-3888.	4.4	176
3	GRAVITATIONAL LENS MODELS BASED ON SUBMILLIMETER ARRAY IMAGING OF<i>HERSCHEL</i>-SELECTED STRONGLY LENSED SUB-MILLIMETER GALAXIES AT<i>z</i>&gt; 1.5. Astrophysical Journal, 2013, 779, 25.	4.5	163
4	GAMA/G10-COSMOS/3D-HST: the 0&lt;Az&lt;Â5 cosmic star formation history, stellar-mass, and dust-mass densities. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2891-2935.	4.4	150
5	The<i>Herschel</i>~ATLAS data release 1 ~ I. Maps, catalogues and number counts. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3146-3179.	4.4	149
6	<i>HERSCHEL</i>-ATLAS: A BINARY H<sub>I</sub> LIRG PINPOINTING A CLUSTER OF STARBURSTING PROTOELLIPTICALS. Astrophysical Journal, 2013, 772, 137.	4.5	144
7	Galaxy And Mass Assembly (GAMA): Panchromatic Data Release (far-UV~"far-IR) and the low-<i>z</i>-energy budget. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3911-3942.	4.4	140
8	Galaxy And Mass Assembly: accurate panchromatic photometry from optical priors using lambda<sub>d</sub>. Monthly Notices of the Royal Astronomical Society, 2016, 460, 765-801.	4.4	138
9	T-PHOT: A new code for PSF-matched, prior-based, multiwavelength extragalactic deconvolution photometry. Astronomy and Astrophysics, 2015, 582, A15.	5.1	128
10	<i>Herschel</i>-ATLAS: multi-wavelength SEDs and physical properties of 250 1/4m selected galaxies at<i>z</i>&lt; 0.5. Monthly Notices of the Royal Astronomical Society, 2012, 427, 703-727.	4.4	124
11	GAMA/H-ATLAS: a meta-analysis of SFR indicators ~ comprehensive measures of the SFR~<i>M</i>-relation and cosmic star formation history at<i>z</i>&lt; 0.4. Monthly Notices of the Royal Astronomical Society, 2016, 461, 458-485.	4.4	113
12	LOFAR/H-ATLAS: a deep low-frequency survey of the<i>Herschel</i>-ATLAS North Galactic Pole field. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1910-1936.	4.4	106
13	Herschel~...-ATLAS/GAMA: dusty early-type galaxies and passive spirals. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2545-2578.	4.4	104
14	The<i>Herschel</i>-ATLAS: a sample of 500 1/4m-selected lensed galaxies over 600 deg<sup>2</sup>. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3558-3580.	4.4	96
15	LOFAR/H-ATLAS: the low-frequency radio luminosity~"star formation rate relation. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3010-3028.	4.4	93
16	Galaxy And Mass Assembly (GAMA): the 0.013 &lt; z &lt; 0.1 cosmic spectral energy distribution from 0.1 Åm to 1 mm. Monthly Notices of the Royal Astronomical Society, 2012, 427, 3244-3264.	4.4	91
17	Dust attenuation in 2 &lt; z &lt; 3 star-forming galaxies from deep ALMA observations of the Hubble Ultra Deep Field. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3991-4006.	4.4	88
18	The VANDELS ESO public spectroscopic survey. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	79

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19	Herschel...-ATLAS/GAMA: a census of dust in optically selected galaxies from stacking at submillimetre wavelengths. Monthly Notices of the Royal Astronomical Society, 2012, 421, 3027-3059.	4.4	77
20	The SCUBA-2 Cosmology Legacy Survey: the nature of bright submm galaxies from 2° of 850-μm imaging. Monthly Notices of the Royal Astronomical Society, 2017, 469, 492-515.	4.4	77
21	The Herschel-ATLAS Data Release 1 " II. Multi-wavelength counterparts to submillimetre sources. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1714-1734.	4.4	76
22	Evolution of the far-infrared-radio correlation and infrared spectral energy distributions of massive galaxies over $z = 0-2$ . Monthly Notices of the Royal Astronomical Society, 2011, 410, 1155-1173.	4.4	75
23	Galaxy And Mass Assembly (GAMA): the effect of close interactions on star formation in galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 452, 616-636.	4.4	75
24	Herschel-ATLAS: the far-infrared-radio correlation at $z < 0.5$ .... Monthly Notices of the Royal Astronomical Society, 2010, 409, 92-101.	4.4	71
25	The mean star formation rates of unobscured QSOs: searching for evidence of suppressed or enhanced star formation. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2221-2240.	4.4	71
26	The SAMI Galaxy Survey: extraplanar gas, galactic winds and their association with star formation history. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1257-1278.	4.4	70
27	T-PHOT version 2.0: Improved algorithms for background subtraction, local convolution, kernel registration, and new options. Astronomy and Astrophysics, 2016, 595, A97.	5.1	63
28	CROSS-CORRELATION BETWEEN THE CMB LENSING POTENTIAL MEASURED BY PLANCK AND HIGH- $z$ SUBMILLIMETER GALAXIES DETECTED BY THE HERSCHEL-ATLAS SURVEY. Astrophysical Journal, 2015, 802, 64.	4.5	61
29	Obscured star formation in bright $z \approx 7$ Lyman-break galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1631-1644.	4.4	59
30	Herschel-ATLAS: the connection between star formation and AGN activity in radio-loud and radio-quiet active galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3776-3794.	4.4	58
31	Galaxy And Mass Assembly: the 1.4 GHz SFR indicator, SFR-M <sub>*</sub> relation and predictions for ASKAP-GAMA. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2312-2324.	4.4	58
32	INFRARED COLOR SELECTION OF MASSIVE GALAXIES AT $z > 3$ . Astrophysical Journal, 2016, 816, 84.	4.5	57
33	Molecular and atomic gas in dust lane early-type galaxies " I. Low star formation efficiencies in minor merger remnants. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3503-3516.	4.4	56
34	Herschel-ATLAS: the surprising diversity of dust-selected galaxies in the local submillimetre Universe. Monthly Notices of the Royal Astronomical Society, 2015, 452, 397-430.	4.4	55
35	Herschel...-ATLAS: properties of dusty massive galaxies at low and high redshifts. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1017-1039.	4.4	53
36	The East Asian Observatory SCUBA-2 Survey of the COSMOS Field: Unveiling 1147 Bright Sub-millimeter Sources across 2.6 Square Degrees. Astrophysical Journal, 2019, 880, 43.	4.5	52

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37	Galaxy And Mass Assembly (GAMA): The mechanisms for quiescent galaxy formation at $z \lesssim 1$ . Monthly Notices of the Royal Astronomical Society, 2018, 473, 1168-1185.	4.4	51
38	The SCUBA-2 Cosmology Legacy Survey: galaxies in the deep 850 $\mu$ m survey, and the star-forming $\alpha$ -main sequence $\alpha$ . Monthly Notices of the Royal Astronomical Society, 2016, 458, 4321-4344.	4.4	50
39	Herschel $\alpha$ -ATLAS: modelling the first strong gravitational lenses. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2013-2025.	4.4	49
40	Herschel-ATLAS: revealing dust build-up and decline across gas, dust and stellar mass selected samples $\alpha$ I. Scaling relations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4680-4705.	4.4	47
41	H-ATLAS: estimating redshifts of Herschel sources from sub-mm fluxes. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2753-2763.	4.4	45
42	Isothermal dust models of Herschel-ATLAS $\alpha$ -galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2435-2453.	4.4	44
43	CHANDRA COUNTERPARTS OF CANDELS GOODS-S SOURCES. Astrophysical Journal, 2016, 823, 95.	4.5	44
44	The SCUBA-2 Cosmology Legacy Survey: the submillimetre properties of Lyman-break galaxies at $z = 3 \alpha \approx 5$ . Monthly Notices of the Royal Astronomical Society, 2015, 446, 1293-1304.	4.4	43
45	GAMA/H-ATLAS: THE DUST OPACITY $\alpha$ -STELLAR MASS SURFACE DENSITY RELATION FOR SPIRAL GALAXIES. Astrophysical Journal, 2013, 766, 59.	4.5	41
46	LENS MODELS OF $\alpha$ -HERSCHEL $\alpha$ -SELECTED GALAXIES FROM HIGH-RESOLUTION NEAR-IR OBSERVATIONS. Astrophysical Journal, 2014, 797, 138.	4.5	40
47	SCUBA-2 Ultra Deep Imaging EAO Survey (STUDIES): Faint-end Counts at 450 $\mu$ m. Astrophysical Journal, 2017, 850, 37.	4.5	40
48	The Herschel Bright Sources (HerBS): sample definition and SCUBA-2 observations. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1751-1773.	4.4	40
49	The new galaxy evolution paradigm revealed by the Herschel surveys. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3507-3524.	4.4	39
50	Herschel-ATLAS $\alpha$ -...: far-infrared properties of radio-loud and radio-quiet quasars. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1181-1196.	4.4	37
51	The Herschel $\alpha$ -ATLAS Data Release 2, Paper I. Submillimeter and Far-infrared Images of the South and North Galactic Poles: The Largest Herschel Survey of the Extragalactic Sky. Astrophysical Journal, Supplement Series, 2017, 233, 26.	7.7	37
52	The temperature dependence of the far-infrared $\alpha$ -radio correlation in the Herschel-ATLAS $\alpha$ -... Monthly Notices of the Royal Astronomical Society, 2014, 445, 2232-2243.	4.4	36
53	A direct calibration of the IR $\alpha$ - $\alpha$ relation in Lyman-break Galaxies at $z = 3 \alpha \approx 5$ . Monthly Notices of the Royal Astronomical Society, 2018, 479, 4355-4366.	4.4	36
54	TOWARD A TOMOGRAPHIC ANALYSIS OF THE CROSS-CORRELATION BETWEEN PLANCK CMB LENSING AND H-ATLAS GALAXIES. Astrophysical Journal, 2016, 825, 24.	4.5	35

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55	An Imperfectly Passive Nature: Bright Submillimeter Emission from Dust-obscured Star Formation in the $z \sim 3.7$ Passive System, ZF 20115. <i>Astrophysical Journal Letters</i> , 2017, 844, L10.	8.3	35
56	The SCUBA-2 Cosmology Legacy Survey: The EGS deep field II. Morphological transformation and multiwavelength properties of faint submillimetre galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 5585-5602.	4.4	35
57	VALES III. The calibration between the dust continuum and interstellar gas content of star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 468, L103-L107.	3.3	34
58	The <i>Herschel</i> -ATLAS Data Release 2. Paper II. Catalogs of Far-infrared and Submillimeter Sources in the Fields at the South and North Galactic Poles. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 30.	7.7	33
59	The VANDELS survey: dust attenuation in star-forming galaxies at $z = 3-4$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3218-3232.	4.4	33
60	<i>Herschel</i> -ATLAS: VISTA VIKING near-infrared counterparts in the Phase 1 GAMA 9-h data set. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2407-2424.	4.4	31
61	The Interstellar Medium in High-redshift Submillimeter Galaxies as Probed by Infrared Spectroscopy. <i>Astrophysical Journal</i> , 2017, 837, 12.	4.5	30
62	JINGLE, a JCMT legacy survey of dust and gas for galaxy evolution studies I. Survey overview and first results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3497-3519.	4.4	30
63	GAMA/H-ATLAS: linking the properties of submm detected and undetected early-type galaxies I. $z \sim 0.06$ sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 1929-1946.	4.4	29
64	<i>Herschel</i> -ATLAS: correlations between dust and gas in local submm-selected galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 479-502.	4.4	28
65	Dust energy balance study of two edge-on spiral galaxies in the <i>Herschel</i> -ATLAS survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1728-1739.	4.4	28
66	The causes of the red sequence, the blue cloud, the green valley, and the green mountain. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1183-1194.	4.4	28
67	GAMA/H-ATLAS: the local dust mass function and cosmic density as a function of galaxy type a benchmark for models of galaxy evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1077-1099.	4.4	28
68	VALES I: the molecular gas content in star-forming dusty H-ATLAS galaxies up to $z = 0.35$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3775-3805.	4.4	27
69	Far-infrared spectroscopy of a lensed starburst: a blind redshift from <i>Herschel</i> . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 436, L99-L103.	3.3	26
70	H-ATLAS: a candidate high redshift cluster/protocluster of star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1719-1733.	4.4	25
71	The relationship between dust and $[C\ II]$ at $z \sim 1$ and beyond. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3135-3161.	4.4	25
72	A multiwavelength exploration of the $[C\ II]/IR$ ratio in H-ATLAS/GAMA galaxies out to $z \sim 0.2$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2498-2513.	4.4	24

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73	Herschel $\hat{\sim}$ ...-ATLAS/GAMA: SDSS cross-correlation induced by weak lensing. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2680-2690.	4.4	21
74	Multi-wavelength Properties of Radio- and Machine-learning-identified Counterparts to Submillimeter Sources in S2COSMOS. Astrophysical Journal, 2019, 886, 48.	4.5	21
75	H-ATLAS/GAMA: magnification bias tomography. Astrophysical constraints above $\hat{\sim}1/41$ arcmin. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 024-024.	5.4	20
76	H-ATLAS/GAMA: the nature and characteristics of optically red galaxies detected at submillimetre wavelengths. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2221-2259.	4.4	18
77	H-ATLAS/GAMA: quantifying the morphological evolution of the galaxy population using cosmic calorimetry. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3489-3507.	4.4	16
78	IDENTIFICATION OF $z\hat{\sim}3$ HERSCHEL $\hat{\sim}500$ $\hat{\sim}1/4$ m SOURCES USING COLOR DECONFUSION. Astrophysical Journal, Supplement Series, 2016, 222, 4.	7.7	16
79	ALMA observations of lensed Herschel sources: testing the dark matter halo paradigm. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4939-4952.	4.4	16
80	The fate of the interstellar medium in early-type galaxies. Astronomy and Astrophysics, 2019, 632, A43.	5.1	16
81	History and present status of fisheries for marine fishes and invertebrates in the Strait of Georgia, British Columbia. Canadian Journal of Fisheries and Aquatic Sciences, 1983, 40, 1095-1119.	1.4	15
82	Which haloes host Herschel-ATLAS galaxies in the local Universe?. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2277-2285.	4.4	15
83	A Herschel $\hat{\sim}$ ...-ATLAS study of dusty spheroids: probing the minor-merger process in the local Universe. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1463-1468.	4.4	15
84	H-ATLAS/GAMA and HeViCS $\hat{\sim}$ “ dusty early-type galaxies in different environments. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3815-3835.	4.4	15
85	Galaxy And Mass Assembly: the evolution of the cosmic spectral energy distribution from $z\hat{\sim}1$ to $z\hat{\sim}0$ . Monthly Notices of the Royal Astronomical Society, 2017, 470, 1342-1359.	4.4	15
86	Herschel-ATLAS/GAMA: What determines the far-infrared properties of radio galaxies? $\hat{\sim}$ .... Monthly Notices of the Royal Astronomical Society, 2013, 432, 609-625.	4.4	14
87	Colour matters: the effects of lensing on the positional offsets between optical and submillimetre galaxies in Herschel $\hat{\sim}$ ...-ATLAS. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1884-1892.	4.4	14
88	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
89	Herschel $\hat{\sim}$ ...-ATLAS/GAMA: the environmental density of far-infrared bright galaxies at $z\hat{\sim}0.5$ . Monthly Notices of the Royal Astronomical Society, 2013, 433, 771-786.	4.4	12
90	The second Herschel $\hat{\sim}$ “ATLAS Data Release $\hat{\sim}$ “ III. Optical and near-infrared counterparts in the North Galactic Plane field. Monthly Notices of the Royal Astronomical Society, 2018, 476, 961-978.	4.4	12

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91	THE INFRARED PROPERTIES OF SOURCES MATCHED IN THE <i>WISE</i> ALL-SKY AND <i>HERSCHEL</i> ATLAS SURVEYS. <i>Astrophysical Journal Letters</i> , 2012, 750, L18.	8.3	11
92	Cold dust emission from X-ray AGN in the SCUBA-2 Cosmology Legacy Survey: dependence on luminosity, obscuration and AGN activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 419-438.	4.4	11
93	Far-infrared observations of an unbiased sample of gamma-ray burst host galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 1494-1503.	4.4	11
94	Far-infrared emission in luminous quasars accompanied by nuclear outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2314-2319.	4.4	9
95	ALMA observations of massive molecular gas reservoirs in dusty early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 4617-4629.	4.4	9
96	Herschel-ATLAS/GAMA: How does the far-IR luminosity function depend on galaxy group properties?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2253-2270.	4.4	8
97	The faint end of the 250 $\mu$ m luminosity function at $z < 0.5$ . <i>Astronomy and Astrophysics</i> , 2016, 592, L5.	5.1	7
98	H-ATLAS: the far-infrared properties of galaxies in and around the Coma cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 582-602.	4.4	6