

Simone Bianchi

List of Publications by Year in descending order

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56
papers

2,843
citations

185998

28
h-index

168136

53
g-index

57
all docs

57
docs citations

57
times ranked

2416
citing authors

#	ARTICLE	IF	CITATIONS
1	Searching for anomalous microwave emission in nearby galaxies. <i>Astronomy and Astrophysics</i> , 2022, 658, L8.	2.1	5
2	A nearby galaxy perspective on dust evolution. <i>Astronomy and Astrophysics</i> , 2021, 649, A18.	2.1	48
3	The physical properties of local (U)LIRGs: A comparison with nearby early- and late-type galaxies. <i>Astronomy and Astrophysics</i> , 2021, 649, A137.	2.1	6
4	Probing the spectral shape of dust emission with the DustPedia galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3986-3995.	1.6	4
5	High-resolution, 3D radiative transfer modelling. <i>Astronomy and Astrophysics</i> , 2020, 637, A25.	2.1	22
6	A panchromatic spatially resolved analysis of nearby galaxies – II. The main sequence – gas relation at sub-kpc scale in grand-design spirals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4606-4623.	1.6	33
7	The ISM scaling relations in DustPedia late-type galaxies: A benchmark study for the Local Universe. <i>Astronomy and Astrophysics</i> , 2020, 633, A100.	2.1	48
8	A panchromatic spatially resolved analysis of nearby galaxies – I. Sub-kpc-scale main sequence in grand-design spirals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4107-4125.	1.6	22
9	Reproducing the Universe: a comparison between the EAGLE simulations and the nearby DustPedia galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2823-2838.	1.6	28
10	High-resolution, 3D radiative transfer modelling. <i>Astronomy and Astrophysics</i> , 2020, 637, A24.	2.1	17
11	Nonparametric galaxy morphology from UV to submm wavelengths. <i>Astronomy and Astrophysics</i> , 2020, 641, A119.	2.1	17
12	INAF Arcetri Astrophysical Observatory at 150. <i>Il Colle Di Galileo</i> , 2020, , .	0.0	0
13	The first maps of τ_{d} – the dust mass absorption coefficient – in nearby galaxies, with DustPedia. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5256-5283.	1.6	38
14	Spectroscopic characterization of the protocluster of galaxies around 7C 1756+6520 at $z \sim 1.4$. <i>Astronomy and Astrophysics</i> , 2018, 618, A128.	2.1	3
15	Fraction of bolometric luminosity absorbed by dust in DustPedia galaxies. <i>Astronomy and Astrophysics</i> , 2018, 620, A112.	2.1	44
16	<i>HERSCHEL</i> Observations of Edge-on Spirals (HEROES). <i>Astronomy and Astrophysics</i> , 2018, 616, A120.	2.1	26
17	Radial distribution of dust, stars, gas, and star-formation rate in DustPedia face-on galaxies. <i>Astronomy and Astrophysics</i> , 2017, 605, A18.	2.1	93
18	The <i>Herschel</i> Virgo Cluster Survey. <i>Astronomy and Astrophysics</i> , 2017, 597, A130.	2.1	20

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19	The Herschel Virgo Cluster Survey. <i>Astronomy and Astrophysics</i> , 2016, 589, A11.	2.1	11
20	<i>HERSCHEL</i> Observations of Edge-on Spirals (HEROES). <i>Astronomy and Astrophysics</i> , 2016, 592, A71.	2.1	25
21	Far-reaching dust distribution in galaxy discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 331-344.	1.6	27
22	Composite biasing in Monte Carlo radiative transfer. <i>Astronomy and Astrophysics</i> , 2016, 590, A55.	2.1	28
23	The <i>Herschel</i> Virgo Cluster Survey. <i>Astronomy and Astrophysics</i> , 2015, 573, A129.	2.1	14
24	Benchmarking the calculation of stochastic heating and emissivity of dust grains in the context of radiative transfer simulations. <i>Astronomy and Astrophysics</i> , 2015, 580, A87.	2.1	43
25	Les Observatoires astronomiques en Italie. <i>Nuncius / Istituto E Museo Di Storia Della Scienza</i> , 2015, 30, 195-227.	0.2	1
26	The metal and dust yields of the first massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4250-4266.	1.6	47
27	The Herschel Virgo Cluster Survey â€“ XVI. A cluster inventoryâˆ“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 1922-1947.	1.6	18
28	PACS photometry of the Herschel Reference Survey â€“ far-infrared/submillimetre colours as tracers of dust properties in nearby galaxiesâˆ“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 942-956.	1.6	89
29	The Herschel Fornax Cluster Survey II: FIR properties of optically selected Fornax cluster galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1571-1589.	1.6	10
30	The Herschel Virgo Cluster Survey â€“ XII. FIR properties of optically selected Virgo cluster galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1880-1910.	1.6	69
31	The Herschel Virgo Cluster Survey â€“ XIV. Transition-type dwarf galaxies in the Virgo cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1057-1073.	1.6	14
32	The Herschel Fornax Cluster Survey â€“ I. The bright galaxy sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 834-844.	1.6	21
33	THE <i>HERSCHEL</i> REFERENCE SURVEY: DUST IN EARLY-TYPE GALAXIES AND ACROSS THE HUBBLE SEQUENCE. <i>Astrophysical Journal</i> , 2012, 748, 123.	1.6	162
34	CAN DUST EMISSION BE USED TO ESTIMATE THE MASS OF THE INTERSTELLAR MEDIUM IN GALAXIESâ€“A PILOT PROJECT WITH THE HERSCHEL REFERENCE SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 168.	1.6	92
35	Scaling relations of metallicity, stellar mass and star formation rate in metal-poor starbursts â€“ I. A Fundamental Plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 906-918.	1.6	59
36	Scaling relations of metallicity, stellar mass and star formation rate in metal-poor starbursts â€“ II. Theoretical models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1075-1088.	1.6	18

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37	Quasar feedback in the early Universe: the case of SDSS J1148+5251. Monthly Notices of the Royal Astronomical Society: Letters, 2012, , no-no.	1.2	7
38	The first low-mass stars: critical metallicity or dust-to-gas ratio?. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1566-1575.	1.6	112
39	The Herschel Virgo Cluster Survey - VIII. The Bright Galaxy Sample~... Monthly Notices of the Royal Astronomical Society, 2012, 419, 3505-3520.	1.6	77
40	The formation of the extremely primitive star SDSS J102915+172927 relies on dust. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 423, L60-L64.	1.2	72
41	The origin of the dust in high-redshift quasars: the case of SDSS J1148+5251. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1916-1935.	1.6	144
42	Stellar sources of dust in the high-redshift Universe. Monthly Notices of the Royal Astronomical Society, 2009, 397, 1661-1671.	1.6	188
43	Dust formation and survival in supernova ejecta. Monthly Notices of the Royal Astronomical Society, 2007, 378, 973-982.	1.6	326
44	Tomography of the intergalactic medium with Ly α forests in close QSO pairs. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1333-1344.	1.6	38
45	Intergalactic medium metal enrichment through dust sputtering. Monthly Notices of the Royal Astronomical Society, 2005, 358, 379-396.	1.6	59
46	Radiative Transfer in Spiral Galaxies: Dust Extinction and Emission. AIP Conference Proceedings, 2005, , .	0.3	0
47	Ultraviolet background radiation from cosmic structure formation. Monthly Notices of the Royal Astronomical Society, 2004, 348, 964-976.	1.6	35
48	A supernova origin for dust in a high-redshift quasar. Nature, 2004, 431, 533-535.	13.7	229
49	Lyman continuum escape from an inhomogeneous interstellar medium. Monthly Notices of the Royal Astronomical Society, 2002, 331, 463-473.	1.6	48
50	Cold dust in nearby galaxies: implications for observing the high-redshift universe. Astrophysics and Space Science, 2001, 276, 949-955.	0.5	5
51	Multicolor Observations of the Hubble Deep Field South. Astronomical Journal, 2001, 122, 2190-2204.	1.9	26
52	ISOLong Wavelength Spectrograph Observations of Cold Dust in Galaxies. Astrophysical Journal, 2000, 543, 153-160.	1.6	29
53	An Atlas of Monte Carlo Models of Dust Extinction in Galaxies for Cosmological Applications. Astrophysical Journal, Supplement Series, 1999, 123, 437-445.	3.0	94
54	On the dust extinction in high-z galaxies and the case of extremely red objects. Monthly Notices of the Royal Astronomical Society, 1997, 290, L43-L49.	1.6	17

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55	The Effect of Light Scattering by Dust in Galactic Halos on Emission-Line Ratios. <i>Astrophysical Journal</i> , 1996, 467, L69-L72.	1.6	26
56	Monte Carlo Simulations of Dusty Spiral Galaxies: Extinction and Polarization Properties. <i>Astrophysical Journal</i> , 1996, 465, 127.	1.6	89