

# Alessandro Bressan

## List of Publications by Year in descending order

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88  
papers

10,387  
citations

81900  
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88  
docs citations

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times ranked

7729  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Black Hole Mass Function Across Cosmic Times. I. Stellar Black Holes and Light Seed Distribution. <i>Astrophysical Journal</i> , 2022, 924, 56.	4.5	7
2	Dissecting the Gaia HR diagram within 200 kpc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5681-5697.	4.4	12
3	The VMC survey XLIII. The spatially resolved star formation history across the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 245-266.	4.4	19
4	Formation of GW190521 from stellar evolution: the impact of the hydrogen-rich envelope, dredge-up, and $12C(\pm, \hat{1}^3)16O$ rate on the pair-instability black hole mass gap. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4514-4533.	4.4	94
5	Constraining the thermally pulsing asymptotic giant branch phase with resolved stellar populations in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3283-3301.	4.4	75
6	Binary black holes in the pair instability mass gap. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1043-1049.	4.4	90
7	Carbon star formation as seen through the non-monotonic initial-final mass relation. <i>Nature Astronomy</i> , 2020, 4, 1102-1110.	10.1	38
8	Impact of the Rotation and Compactness of Progenitors on the Mass of Black Holes. <i>Astrophysical Journal</i> , 2020, 888, 76.	4.5	96
9	PHAT XX. AGB Stars and Other Cool Giants in M31 Star Clusters. <i>Astrophysical Journal</i> , 2020, 901, 19.	4.5	7
10	On the photometric signature of fast rotators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 696-705.	4.4	6
11	Host galaxies of merging compact objects: mass, star formation rate, metallicity, and colours. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1675-1688.	4.4	67
12	The mass-loss, expansion velocities, and dust production rates of carbon stars in the Magellanic Clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 502-521.	4.4	31
13	Constraining the thermally pulsing asymptotic giant branch phase with resolved stellar populations in the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5666-5692.	4.4	122
14	Mixing by overshooting and rotation in intermediate-mass stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4641-4657.	4.4	42
15	Chemical evolution of disc galaxies from cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1384-1404.	4.4	17
16	Merging black hole binaries with the SEVN code. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 889-907.	4.4	178
17	YBC: a stellar bolometric corrections database with variable extinction coefficients. <i>Astronomy and Astrophysics</i> , 2019, 632, A105.	5.1	80
18	Multiple stellar populations in NGC 1866. <i>Astronomy and Astrophysics</i> , 2019, 631, A128.	5.1	22

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19	Estimating the dust production rate of carbon stars in the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5492-5513.	4.4	30
20	New parsec data base of $\beta$ -enhanced stellar evolutionary tracks and isochrones I. Calibration with 47 Tuc (NGC 104) and the improvement on RGB bump. Monthly Notices of the Royal Astronomical Society, 2018, 476, 496-511.	4.4	38
21	The Dramatic Size and Kinematic Evolution of Massive Early-type Galaxies. Astrophysical Journal, 2018, 857, 22.	4.5	57
22	The dust production rate of carbon-rich stars in the Magellanic Clouds. Proceedings of the International Astronomical Union, 2018, 14, 478-479.	0.0	1
23	Constraining dust properties in circumstellar envelopes of C-stars in the Magellanic Clouds: Optical constants and grain size of carbon dust. Proceedings of the International Astronomical Union, 2018, 14, 405-405.	0.0	0
24	The VMC survey XXXI: The spatially resolved star formation history of the main body of the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5017-5036.	4.4	66
25	The Minimum Mass of Rotating Main-sequence Stars and its Impact on the Nature of Extended Main-sequence Turnoffs in Intermediate-age Star Clusters in the Magellanic Clouds. Astrophysical Journal Letters, 2018, 864, L3.	8.3	23
26	Colour magnitude diagram in simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 722-741.	4.4	8
27	The host galaxies of double compact objects merging in the local Universe. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5324-5330.	4.4	37
28	The Gaia-ESO Survey: Lithium enrichment histories of the Galactic thick and thin disc. Astronomy and Astrophysics, 2018, 610, A38.	5.1	31
29	A NEW GENERATION OF PARSEC-COLIBRI STELLAR ISOCHRONES INCLUDING THE TP-AGB PHASE. Astrophysical Journal, 2017, 835, 77.	4.5	684
30	Galaxy Evolution in the Radio Band: The Role of Star-forming Galaxies and Active Galactic Nuclei. Astrophysical Journal, 2017, 842, 95.	4.5	77
31	A New Approach to Convective Core Overshooting: Probabilistic Constraints from Color Magnitude Diagrams of LMC Clusters. Astrophysical Journal, 2017, 841, 69.	4.5	13
32	Stellar Mass Function of Active and Quiescent Galaxies via the Continuity Equation. Astrophysical Journal, 2017, 847, 13.	4.5	18
33	On the effect of galactic outflows in cosmological simulations of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3167-3193.	4.4	19
34	THE INFLUENCE OF DENSE GAS RINGS ON THE DYNAMICS OF A STELLAR DISK IN THE GALACTIC CENTER. Astrophysical Journal, 2016, 818, 29.	4.5	11
35	Envelope overshooting in low-metallicity intermediate- and high-mass stars: a test with the Sagittarius dwarf irregular galaxy. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3393-3404.	4.4	6
36	Constraining dust properties in circumstellar envelopes of C-stars in the Small Magellanic Cloud: optical constants and grain size of carbon dust. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1215-1237.	4.4	34

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37	DYNAMICS OF TIDALLY CAPTURED PLANETS IN THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2016, 831, 61.	4.5	13
38	EVOLUTION OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS. V. CONSTRAINING THE MASS LOSS AND LIFETIMES OF INTERMEDIATE-MASS, LOW-METALLICITY AGB STARS*. <i>Astrophysical Journal</i> , 2016, 822, 73.	4.5	59
39	Connecting the evolution of thermally pulsing asymptotic giant branch stars to the chemistry in their circumstellar envelopes â€“ I. Hydrogen cyanide. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 23-46.	4.4	12
40	Lithium evolution from Pre-Main Sequence to the Spite plateau: an environmental solution to the cosmological lithium problem. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 300-301.	0.0	0
41	Uncertainties on near-core mixing in red-clump stars: effects on the period spacing and on the luminosity of the AGB bump. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2291-2302.	4.4	62
42	PREDICTIONS FOR ULTRA-DEEP RADIO COUNTS OF STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2015, 810, 72.	4.5	24
43	The mass spectrum of compact remnants from the parsec stellar evolution tracks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 4086-4103.	4.4	248
44	parsec evolutionary tracks of massive stars up to $350 M_{\odot}$ at metallicities $0.0001 < i > Z < /i > \%$ 0.04. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1068-1080.	4.4	391
45	The VMC survey â€“ XIV. First results on the look-back time star formation rate tomography of the Small Magellanic Cloudâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 639-661.	4.4	90
46	On the interpretation of sub-giant branch morphologies of intermediate-age star clusters with extended main sequence turnoffs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1693-1704.	4.4	31
47	New PARSEC database of alpha enhanced stellar evolutionary tracks and isochrones for Gaia. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 144-146.	0.0	0
48	Convective mixing in intermediate mass stars. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 156-157.	0.0	0
49	Observations of the Ca ii IR Triplet in High Luminosity Quasars: Exploring the Sample. <i>Journal of Astrophysics and Astronomy</i> , 2015, 36, 457.	1.0	4
50	Lithium evolution in metal-poor stars: from pre-main sequence to the Spite plateau. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3256-3265.	4.4	61
51	O i AND Ca ii OBSERVATIONS IN INTERMEDIATE REDSHIFT QUASARS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 217, 3.	7.7	28
52	Uncertainties in Stellar Evolution Models: Convective Overshoot. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015, , 25-32.	0.3	15
53	Improving PARSEC models for very low mass stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 2525-2543.	4.4	434
54	Evolution of thermally pulsing asymptotic giant branch stars â€“ III. Dust production at supersolar metallicitiesâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 2328-2340.	4.4	55

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55	New PARSEC evolutionary tracks of massive stars at low metallicity: testing canonical stellar evolution in nearby star-forming dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 4287-4305.	4.4	315
56	The star formation history of redshift $z \sim 2$ galaxies: the role of the infrared prior. <i>Research in Astronomy and Astrophysics</i> , 2014, 14, 15-34.	1.7	2
57	EXTENDED MAIN SEQUENCE TURNOFFS IN INTERMEDIATE-AGE STAR CLUSTERS: A CORRELATION BETWEEN TURNOFF WIDTH AND EARLY ESCAPE VELOCITY. <i>Astrophysical Journal</i> , 2014, 797, 35.	4.5	113
58	EVOLUTION OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS. IV. CONSTRAINING MASS LOSS AND LIFETIMES OF LOW MASS, LOW METALLICITY AGB STARS. <i>Astrophysical Journal</i> , 2014, 790, 22.	4.5	68
59	A PHYSICAL MODEL FOR THE EVOLVING ULTRAVIOLET LUMINOSITY FUNCTION OF HIGH REDSHIFT GALAXIES AND THEIR CONTRIBUTION TO THE COSMIC REIONIZATION. <i>Astrophysical Journal</i> , 2014, 785, 65.	4.5	57
60	Low ionization lines in high luminosity quasars: The calcium triplet. <i>Advances in Space Research</i> , 2014, 54, 1375-1381.	2.6	0
61	The star formation history of the Large Magellanic Cloud star clusters NGC 1846 and NGC 1783... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 2774-2788.	4.4	29
62	Evolution of thermally pulsing asymptotic giant branch stars – II. Dust production at varying metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 2390-2417.	4.4	114
63	An extended main-sequence turn-off in the Small Magellanic Cloud star cluster NGC 4111... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 3501-3509.	4.4	34
64	Evolution of thermally pulsing asymptotic giant branch stars – I. The colibri code. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 488-526.	4.4	220
65	THE INSIDIOUS BOOSTING OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS IN INTERMEDIATE-AGE MAGELLANIC CLOUD CLUSTERS. <i>Astrophysical Journal</i> , 2013, 777, 142.	4.5	39
66	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. I. BRIGHT UV STARS IN THE BULGE OF M31. <i>Astrophysical Journal</i> , 2012, 755, 131.	4.5	37
67	<scp>parsec</scp>: stellar tracks and isochrones with the PAdova and TRieste Stellar Evolution Code. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 127-145.	4.4	2,792
68	TRILEGAL, a TRIdimensional model of thE GALaxy: Status and Future. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 165-170.	0.3	70
69	TRACING REJUVENATION EVENTS IN NEARBY S0 GALAXIES. <i>Astrophysical Journal</i> , 2011, 736, 154.	4.5	40
70	ULTRAVIOLET QUASI-STELLAR OBJECTS. <i>Astronomical Journal</i> , 2009, 137, 3761-3777.	4.7	21
71	A Physical Model for the Coevolution of QSOs and Their Spheroidal Hosts. <i>Astrophysical Journal</i> , 2004, 600, 580-594.	4.5	821
72	Modeling the Radio to X-ray Sed of Galaxies. <i>Astrophysics and Space Science Library</i> , 2002, , 175-180.	2.7	0

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73	Dust and Nebular Emission in Star Forming Galaxies. Astrophysics and Space Science Library, 2002, , 171-174.	2.7	0
74	Recent Star Formation in Galaxies. Astrophysics and Space Science Library, 2002, , 159-166.	2.7	0
75	Star Formation and Selective Dust Extinction in Luminous Starburst Galaxies. Astrophysical Journal, 2001, 550, 195-203.	4.5	66
76	Modelling Dust in Galactic SEDs: Application to Semi-Analytical Galaxy Formation Models. Astrophysics and Space Science, 2001, 276, 1073-1078.	1.4	10
77	New photometric models of galactic evolution applied to the HDF. Astrophysics and Space Science, 2001, 276, 973-978.	1.4	1
78	Mid Infrared Colors of Early Type Galaxies. Astrophysics and Space Science, 2001, 277, 251-254.	1.4	5
79	Mid Infrared Colors of Early Type Galaxies. , 2001, , 251-254.		0
80	FIR and Radio Emission in Star Forming Galaxies. , 2001, , 261-264.		0
81	Modeling the Effects of Dust on Galactic Spectral Energy Distributions from the Ultraviolet to the Millimeter Band. Astrophysical Journal, 1998, 509, 103-117.	4.5	844
82	Early Type Galaxies in the Hubble Deep Field: The Star Formation History. Astrophysical Journal, 1998, 506, 600-620.	4.5	103
83	A Database for Galaxy Evolution Modeling. Publications of the Astronomical Society of the Pacific, 1996, 108, 996.	3.1	156
84	Uncertainties in the Modeling of Old Stellar Populations. Astrophysical Journal, 1996, 457, 625.	4.5	217
85	Spectrophotometric evolution of elliptical galaxies. 1: Ultraviolet excess and color-magnitude-redshift relations. Astrophysical Journal, Supplement Series, 1994, 94, 63.	7.7	298
86	The distance to the Large Magellanic Cloud - Constraints from Cepheids in Large Magellanic Cloud star clusters. Astrophysical Journal, 1993, 412, 160.	4.5	9
87	New Developments in Understanding the HR Diagram. Annual Review of Astronomy and Astrophysics, 1992, 30, 235-285.	24.3	130
88	The star formation history of the Large Magellanic Cloud. Astrophysical Journal, 1992, 388, 400.	4.5	93