Alessandro Bressan

List of Publications by Year
in descending order

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88 papers	10,387 citations	81900 39 h-index	66911 78 g-index
88 all docs	88 docs citations	88 times ranked	7729 citing authors

#	Article	IF	Citations
1	<scp>parsec</scp>: stellar tracks and isochrones with the PAdova and TRieste Stellar Evolution Code. Monthly Notices of the Royal Astronomical Society, 2012, 427, 127-145.	4.4	2,792
2	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
3	A Physical Model for the Coevolution of QSOs and Their Spheroidal Hosts. Astrophysical Journal, 2004, 600, 580-594.	4.5	821
4	A NEW GENERATION OF PARSEC-COLIBRI STELLAR ISOCHRONES INCLUDING THE TP-AGB PHASE. Astrophysical Journal, 2017, 835, 77.	4.5	684
5	Improving PARSEC models for very low mass stars. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2525-2543.	4.4	434
6	parsec evolutionary tracks of massive stars up to 350ÂM_{âŠ™}at metallicities 0.0001 â‰¤Zâ‰¤ 0.04. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1068-1080.	4.4	391
7	New PARSEC evolutionary tracks of massive stars at low metallicity: testing canonical stellar evolution in nearby star-forming dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 445, 4287-4305.	4.4	315
8	Spectrophotometric evolution of elliptical galaxies. 1: Ultraviolet excess and color-magnitude-redshift relations. Astrophysical Journal, Supplement Series, 1994, 94, 63.	7.7	298
9	The mass spectrum of compact remnants from the parsec stellar evolution tracks. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4086-4103.	4.4	248
10	Evolution of thermally pulsing asymptotic giant branch stars â€“ I. The colibri code. Monthly Notices of the Royal Astronomical Society, 2013, 434, 488-526.	4.4	220
11	Uncertainties in the Modeling of Old Stellar Populations. Astrophysical Journal, 1996, 457, 625.	4.5	217
12	Merging black hole binaries with the SEVN code. Monthly Notices of the Royal Astronomical Society, 2019, 485, 889-907.	4.4	178
13	A Database for Galaxy Evolution Modeling. Publications of the Astronomical Society of the Pacific, 1996, 108, 996.	3.1	156
14	New Developments in Understanding the HR Diagram. Annual Review of Astronomy and Astrophysics, 1992, 30, 235-285.	24.3	130
15	Constraining the thermally pulsing asymptotic giant branch phase with resolved stellar populations in the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5666-5692.	4.4	122
16	Evolution of thermally pulsing asymptotic giant branch stars â€“ II. Dust production at varying metallicity. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2390-2417.	4.4	114
17	EXTENDED MAIN SEQUENCE TURNOFFS IN INTERMEDIATE-AGE STAR CLUSTERS: A CORRELATION BETWEEN TURNOFF WIDTH AND EARLY ESCAPE VELOCITY. Astrophysical Journal, 2014, 797, 35.	4.5	113
18	Earlyâ€Type Galaxies in the Hubble Deep Field: The Star Formation History. Astrophysical Journal, 1998, 506, 600-620.	4.5	103

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19	Impact of the Rotation and Compactness of Progenitors on the Mass of Black Holes. Astrophysical Journal, 2020, 888, 76.	4.5	96
20	Formation of GW190521 from stellar evolution: the impact of the hydrogen-rich envelope, dredge-up, and 12C(Î±, Î³)16O rate on the pair-instability black hole mass gap. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4514-4533.	4.4	94
21	The star formation history of the Large Magellanic Cloud. Astrophysical Journal, 1992, 388, 400.	4.5	93
22	The VMC survey â€“ XIV. First results on the look-back time star formation rate tomography of the Small Magellanic Cloudâ˜…. Monthly Notices of the Royal Astronomical Society, 2015, 449, 639-661.	4.4	90
23	Binary black holes in the pair instability mass gap. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1043-1049.	4.4	90
24	YBC: a stellar bolometric corrections database with variable extinction coefficients. Astronomy and Astrophysics, 2019, 632, A105.	5.1	80
25	Galaxy Evolution in the Radio Band: The Role of Star-forming Galaxies and Active Galactic Nuclei. Astrophysical Journal, 2017, 842, 95.	4.5	77
26	Constraining the thermally pulsing asymptotic giant branch phase with resolved stellar populations in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3283-3301.	4.4	75
27	TRILEGAL, a TRIdimensional modeL of thE GALaxy: Status and Future. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 165-170.	0.3	70
28	EVOLUTION OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS. IV. CONSTRAINING MASS LOSS AND LIFETIMES OF LOW MASS, LOW METALLICITY AGB STARS. Astrophysical Journal, 2014, 790, 22.	4.5	68
29	Host galaxies of merging compact objects: mass, star formation rate, metallicity, and colours. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1675-1688.	4.4	67
30	Star Formation and Selective Dust Extinction in Luminous Starburst Galaxies. Astrophysical Journal, 2001, 550, 195-203.	4.5	66
31	The VMC survey â€“ 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
32	Uncertainties on near-core mixing in red-clump stars: effects on the period spacing and on the luminosity of the AGB bump. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2291-2302.	4.4	62
33	Lithium evolution in metal-poor stars: from pre-main sequence to the Spite plateau. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3256-3265.	4.4	61
34	EVOLUTION OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS. V. CONSTRAINING THE MASS LOSS AND LIFETIMES OF INTERMEDIATE-MASS, LOW-METALLICITY AGB STARS*. Astrophysical Journal, 2016, 822, 73.	4.5	59
35	A PHYSICAL MODEL FOR THE EVOLVING ULTRAVIOLET LUMINOSITY FUNCTION OF HIGH REDSHIFT GALAXIES AND THEIR CONTRIBUTION TO THE COSMIC REIONIZATION. Astrophysical Journal, 2014, 785, 65.	4.5	57
36	The Dramatic Size and Kinematic Evolution of Massive Early-type Galaxies. Astrophysical Journal, 2018, 857, 22.	4.5	57

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37	Evolution of thermally pulsing asymptotic giant branch stars â€“ III. Dust production at supersolar metallicitiesâ˜…. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2328-2340.	4.4	55
38	Mixing by overshooting and rotation in intermediate-mass stars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4641-4657.	4.4	42
39	TRACING REJUVENATION EVENTS IN NEARBY S0 GALAXIES. Astrophysical Journal, 2011, 736, 154.	4.5	40
40	THE INSIDIOUS BOOSTING OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS IN INTERMEDIATE-AGE MAGELLANIC CLOUD CLUSTERS. Astrophysical Journal, 2013, 777, 142.	4.5	39
41	New parsecâ€‰data base of Î±-enhanced stellar evolutionary tracks and isochrones â€“ 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
42	Carbon star formation as seen through the non-monotonic initialâ€“final mass relation. Nature Astronomy, 2020, 4, 1102-1110.	10.1	38
43	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. I. BRIGHT UV STARS IN THE BULGE OF M31. Astrophysical Journal, 2012, 755, 131.	4.5	37
44	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
45	An extended main-sequence turn-off in the Small Magellanic Cloud star cluster NGCÂ411â˜…. Monthly Notices of the Royal Astronomical Society, 2013, 431, 3501-3509.	4.4	34
46	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
47	On the interpretation of sub-giant branch morphologies of intermediate-age star clusters with extended main sequence turnoffs. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1693-1704.	4.4	31
48	The Gaia-ESO Survey: Lithium enrichment histories of the Galactic thick and thin disc. Astronomy and Astrophysics, 2018, 610, A38.	5.1	31
49	The mass-loss, expansion velocities, and dust production rates of carbon stars in the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 2019, 487, 502-521.	4.4	31
50	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
51	The star formation history of the Large Magellanic Cloud star clusters NGC 1846 and NGC 1783â˜…. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2774-2788.	4.4	29
52	O i AND Ca ii OBSERVATIONS IN INTERMEDIATE REDSHIFT QUASARS. Astrophysical Journal, Supplement Series, 2015, 217, 3.	7.7	28
53	PREDICTIONS FOR ULTRA-DEEP RADIO COUNTS OF STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 810, 72.	4.5	24
54	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^{â˜…}. Astrophysical Journal Letters, 2018, 864, L3.	8.3	23

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55	Multiple stellar populations in NGC 1866. Astronomy and Astrophysics, 2019, 631, A128.	5.1	22
56	ULTRAVIOLET QUASI-STELLAR OBJECTS. Astronomical Journal, 2009, 137, 3761-3777.	4.7	21
57	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
58	The VMC survey â€“ XLIII. The spatially resolved star formation history across the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2021, 508, 245-266.	4.4	19
59	Stellar Mass Function of Active and Quiescent Galaxies via the Continuity Equation. Astrophysical Journal, 2017, 847, 13.	4.5	18
60	Chemical evolution of disc galaxies from cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1384-1404.	4.4	17
61	Uncertainties in Stellar Evolution Models: Convective Overshoot. Thirty Years of Astronomical Discovery With UKIRT, 2015, , 25-32.	0.3	15
62	DYNAMICS OF TIDALLY CAPTURED PLANETS IN THE GALACTIC CENTER. Astrophysical Journal, 2016, 831, 61.	4.5	13
63	A New Approach to Convective Core Overshooting: Probabilistic Constraints from Colorâ€“Magnitude Diagrams of LMC Clusters. Astrophysical Journal, 2017, 841, 69.	4.5	13
64	Connecting the evolution of thermally pulsing asymptotic giant branch stars to the chemistry in their circumstellar envelopes â€“ I. Hydrogen cyanide. Monthly Notices of the Royal Astronomical Society, 2016, 456, 23-46.	4.4	12
65	Dissecting theGaiaHR diagram within 200Âpc. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5681-5697.	4.4	12
66	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
67	Modelling Dust in Galactic SEDs: Application to Semi-Analytical Galaxy Formation Models. Astrophysics and Space Science, 2001, 276, 1073-1078.	1.4	10
68	The distance to the Large Magellanic Cloud - Constraints from Cepheids in Large Magellanic Cloud star clusters. Astrophysical Journal, 1993, 412, 160.	4.5	9
69	Colourâ€“magnitude diagram in simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 722-741.	4.4	8
70	PHAT XX. AGB Stars and Other Cool Giants in M31 Star Clusters. Astrophysical Journal, 2020, 901, 19.	4.5	7
71	The Black Hole Mass Function Across Cosmic Times. I. Stellar Black Holes and Light Seed Distribution. Astrophysical Journal, 2022, 924, 56.	4.5	7
72	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

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73	On the photometric signature of fast rotators. Monthly Notices of the Royal Astronomical Society, 2019, 488, 696-705.	4.4	6
74	Mid Infrared Colors of Early Type Galaxies. Astrophysics and Space Science, 2001, 277, 251-254.	1.4	5
75	Observations of the Ca ii IR Triplet in High Luminosity Quasars: Exploring the Sample. Journal of Astrophysics and Astronomy, 2015, 36, 457.	1.0	4
76	The star formation history of redshiftzâˆ¼ 2 galaxies: the role of the infrared prior. Research in Astronomy and Astrophysics, 2014, 14, 15-34.	1.7	2
77	New photometric models of galactic evolution applied to the HDF. Astrophysics and Space Science, 2001, 276, 973-978.	1.4	1
78	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
79	Low ionization lines in high luminosity quasars: The calcium triplet. Advances in Space Research, 2014, 54, 1375-1381.	2.6	0
80	Lithium evolution from Pre-Main Sequence to the Spite plateau: an environmental solution to the cosmological lithium problem. Proceedings of the International Astronomical Union, 2015, 11, 300-301.	0.0	0
81	New PARSEC database of alpha enhanced stellar evolutionary tracks and isochrones for Gaia. Proceedings of the International Astronomical Union, 2015, 11, 144-146.	0.0	0
82	Convective mixing in intermediate mass stars. Proceedings of the International Astronomical Union, 2015, 11, 156-157.	0.0	0
83	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
84	Mid Infrared Colors of Early Type Galaxies. , 2001, , 251-254.		0
85	FIR and Radio Emission in Star Forming Galaxies. , 2001, , 261-264.		0
86	Modeling the Radio to X-ray Sed of Galaxies. Astrophysics and Space Science Library, 2002, , 175-180.	2.7	0
87	Dust and Nebular Emission in Star Forming Galaxies. Astrophysics and Space Science Library, 2002, , 171-174.	2.7	0
88	Recent Star Formation in Galaxies. Astrophysics and Space Science Library, 2002, , 159-166.	2.7	0