S E De Mink

List of Publications by Year
in descending order

Version: 2024-02-01

94 papers	9,385 citations	38720 50 h-index	40954 93 g-index
94 all docs	94 docs citations	94 times ranked	4874 citing authors

#	Article	IF	Citations
1	LEGWORK: A python package for computing the evolution and detectability of stellar-origin gravitational-wave sources with space-based detectors. Journal of Open Source Software, 2022, 7, 3998.	2.0	12
2	Formation and fate of low-metallicity stars in TNG50. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3602-3615.	1.6	4
3	Detailed models of interacting short-period massive binary stars. Astronomy and Astrophysics, 2022, 659, A98.	2.1	31
4	Properties of the Be-type stars in 30 Doradus. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3331-3344.	1.6	7
5	The Candidate Progenitor Companion Star of the Type Ib/c SN 2013ge. Astrophysical Journal Letters, 2022, 929, L15.	3.0	11
6	The Redshift Evolution of the Binary Black Hole Merger Rate: A Weighty Matter. Astrophysical Journal, 2022, 931, 17.	1.6	56
7	LEGWORK: A Python Package for Computing the Evolution and Detectability of Stellar-origin Gravitational-wave Sources with Space-based Detectors. Astrophysical Journal, Supplement Series, 2022, 260, 52.	3.0	14
8	The Tarantula Massive Binary Monitoring. Astronomy and Astrophysics, 2021, 650, A147.	2.1	15
9	The B-type binaries characterization programme I. Orbital solutions for the 30 Doradus population. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5348-5375.	1.6	18
10	Binary-stripped Stars as Core-collapse Supernovae Progenitors. Astrophysical Journal Letters, 2021, 916, L5.	3.0	23
11	The young massive SMC cluster NGC 330 seen by MUSE. Astronomy and Astrophysics, 2021, 652, A70.	2.1	23
12	Detailed evolutionary models of massive contact binaries â€“ I. Model grids and synthetic populations for the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5013-5033.	1.6	21
13	Impact of massive binary star and cosmic evolution on gravitational wave observations I: black holeâ€“neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5028-5063.	1.6	83
14	Effect of binary evolution on the inferred initial and final core masses of hydrogen-rich, Type II supernova progenitors. Astronomy and Astrophysics, 2021, 645, A6.	2.1	26
15	Different to the core: The pre-supernova structures of massive single and binary-stripped stars. Astronomy and Astrophysics, 2021, 656, A58.	2.1	62
16	The Cosmic Carbon Footprint of Massive Stars Stripped in Binary Systems. Astrophysical Journal, 2021, 923, 214.	1.6	13
17	Hubble Space Telescope Astrometry in the Orion Nebula Cluster: Census of Low-mass Runaways. Astronomical Journal, 2020, 159, 272.	1.9	13
18	Sensitivity of the lower edge of the pair-instability black hole mass gap to the treatment of time-dependent convection. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4333-4341.	1.6	60

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19	Contribution from stars stripped in binaries to cosmic reionization of hydrogen and helium. Astronomy and Astrophysics, 2020, 634, A134.	2.1	34
20	The Tarantula Massive Binary Monitoring. Astronomy and Astrophysics, 2020, 634, A118.	2.1	40
21	The expansion of stripped-envelope stars: Consequences for supernovae and gravitational-wave progenitors. Astronomy and Astrophysics, 2020, 637, A6.	2.1	76
22	The young massive SMC cluster NGC 330 seen by MUSE. Astronomy and Astrophysics, 2020, 634, A51.	2.1	30
23	The Tarantula Massive Binary Monitoring. Astronomy and Astrophysics, 2020, 634, A119.	2.1	27
24	VLT/X-shooter spectroscopy of massive young stellar objects in the 30 Doradus region of the Large Magellanic Cloud. Astronomy and Astrophysics, 2020, 636, A54.	2.1	7
25	Properties of OB starâ^'black hole systems derived from detailed binary evolution models. Astronomy and Astrophysics, 2020, 638, A39.	2.1	65
26	Predictions for the hydrogen-free ejecta of pulsational pair-instability supernovae. Astronomy and Astrophysics, 2020, 640, A56.	2.1	51
27	How stellar rotation shapes the colourâ^'magnitude diagram of the massive intermediate-age star cluster NGC 1846. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2177-2192.	1.6	35
28	Polluting the Pair-instability Mass Gap for Binary Black Holes through Super-Eddington Accretion in Isolated Binaries. Astrophysical Journal, 2020, 897, 100.	1.6	77
29	Delayed Photons from Binary Evolution Help Reionize the Universe. Astrophysical Journal, 2020, 901, 72.	1.6	12
30	Constraints from Gravitational-wave Detections of Binary Black Hole Mergers on the ¹²C(Î±, Î³)¹⁶O Rate. Astrophysical Journal Letters, 2020, 902, L36.	3.0	122
31	Reconstructing the EUV Spectrum of Star-forming Regions from Millimeter Recombination Lines of H i, He i, and He ii. Astrophysical Journal, 2020, 903, 29.	1.6	2
32	Massive runaway and walkaway stars. Astronomy and Astrophysics, 2019, 624, A66.	2.1	131
33	Pulsational Pair-instability Supernovae in Very Close Binaries. Astrophysical Journal, 2019, 882, 36.	1.6	141
34	Clues on the Origin and Evolution of Massive Contact Binaries: Atmosphere Analysis of VFTS 352. Astrophysical Journal, 2019, 880, 115.	1.6	30
35	Massive Stellar Mergers as Precursors of Hydrogen-rich Pulsational Pair Instability Supernovae. Astrophysical Journal Letters, 2019, 876, L29.	3.0	28
36	Mind the Gap: The Location of the Lower Edge of the Pair-instability Supernova Black Hole Mass Gap. Astrophysical Journal, 2019, 887, 53.	1.6	209

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37	The impact of stars stripped in binaries on the integrated spectra of stellar populations. Astronomy and Astrophysics, 2019, 629, A134.	2.1	63
38	An excess of massive stars in the local 30 Doradus starburst. Science, 2018, 359, 69-71.	6.0	164
39	Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS. Astrophysical Journal, 2018, 855, 133.	1.6	24
40	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2018, 618, A73.	2.1	62
41	Gaia DR2 reveals a very massive runaway star ejected from R136. Astronomy and Astrophysics, 2018, 619, A78.	2.1	30
42	Clues about the scarcity of stripped-envelope stars from the evolutionary state of the sdO+Be binary systemÏłPersei. Astronomy and Astrophysics, 2018, 615, A30.	2.1	41
43	Spectral models for binary products: Unifying subdwarfs and Wolf-Rayet stars as a sequence of stripped-envelope stars. Astronomy and Astrophysics, 2018, 615, A78.	2.1	128
44	Response to Comment on â€œAn excess of massive stars in the local 30 Doradus starburstâ€• Science, 2018, 361, .	6.0	4
45	Ultraviolet Detection of the Binary Companion to the Type IIb SN 2001ig. Astrophysical Journal, 2018, 856, 83.	1.6	35
46	Ejection of the Massive Hydrogen-rich Envelope Timed with the Collapse of the Stripped SN 2014C. Astrophysical Journal, 2017, 835, 140.	1.6	129
47	The Tarantula Massive Binary Monitoring. Astronomy and Astrophysics, 2017, 598, A84.	2.1	95
48	Predicting the Presence of Companions for Stripped-envelope Supernovae: The Case of the Broad-lined Type Ic SN 2002ap. Astrophysical Journal, 2017, 842, 125.	1.6	45
49	Delay-time distribution of core-collapse supernovae with late events resulting from binary interaction. Astronomy and Astrophysics, 2017, 601, A29.	2.1	116
50	Electromagnetic Signals Following Stellar-mass Black Hole Mergers. Astrophysical Journal Letters, 2017, 839, L7.	3.0	64
51	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2017, 600, A82.	2.1	37
52	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2017, 603, A91.	2.1	14
53	Systematic survey of the effects of wind mass loss algorithms on the evolution of single massive stars. Astronomy and Astrophysics, 2017, 603, A118.	2.1	89
54	Forming short-period Wolfâ€“Rayet X-ray binaries and double black holes through stable mass transfer. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4256-4264.	1.6	134

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55	Carbon Abundances in Starburst Galaxies of the Local Universe. Astrophysical Journal, 2017, 847, 107.	1.6	9
56	Ionizing spectra of stars that lose their envelope through interaction with a binary companion: role of metallicity. Astronomy and Astrophysics, 2017, 608, A11.	2.1	93
57	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2017, 601, A79.	2.1	42
58	Legacy ExtraGalactic UV Survey with The Hubble Space Telescope: Stellar Cluster Catalogs and First Insights Into Cluster Formation and Evolution in NGC 628^{â^—}. Astrophysical Journal, 2017, 841, 131.	1.6	107
59	The chemically homogeneous evolutionary channel for binary black hole mergers: rates and properties of gravitational-wave events detectable by advanced LIGO. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3545-3553.	1.6	282
60	The R136 star cluster dissected withHubble Space Telescope/STIS. I. Far-ultraviolet spectroscopic census and the origin of Heâ€‰ii Î»1640 in young star clusters. Monthly Notices of the Royal Astronomical Society, 2016, 458, 624-659.	1.6	150
61	DISCOVERY OF THE MASSIVE OVERCONTACT BINARY VFTS 352: EVIDENCE FOR ENHANCED INTERNAL MIXING. Astrophysical Journal, 2015, 812, 102.	1.6	47
62	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2015, 580, A93.	2.1	112
63	The evolution of rotating very massive stars with LMC composition. Astronomy and Astrophysics, 2015, 573, A71.	2.1	119
64	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2015, 580, A92.	2.1	60
65	MERGER RATES OF DOUBLE NEUTRON STARS AND STELLAR ORIGIN BLACK HOLES: THE IMPACT OF INITIAL CONDITIONS ON BINARY EVOLUTION PREDICTIONS. Astrophysical Journal, 2015, 814, 58.	1.6	158
66	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2015, 574, A13.	2.1	58
67	Massive stars on the verge of exploding: the properties of oxygen sequence Wolf-Rayet stars. Astronomy and Astrophysics, 2015, 581, A110.	2.1	44
68	LEGACY EXTRAGALACTIC UV SURVEY (LEGUS) WITH THEHUBBLE SPACE TELESCOPE. I. SURVEY DESCRIPTION. Astronomical Journal, 2015, 149, 51.	1.9	155
69	EVOLUTION OF MASS FUNCTIONS OF COEVAL STARS THROUGH WIND-MASS LOSS AND BINARY INTERACTIONS. Astrophysical Journal, 2015, 805, 20.	1.6	82
70	LEGUS DISCOVERY OF A LIGHT ECHO AROUND SUPERNOVA 2012aw. Astrophysical Journal, 2015, 806, 195.	1.6	11
71	The VLT-FLAMES Tarantula survey. Astronomy and Astrophysics, 2015, 579, A131.	2.1	12
72	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2015, 575, A70.	2.1	59

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73	AGES OF YOUNG STAR CLUSTERS, MASSIVE BLUE STRAGGLERS, AND THE UPPER MASS LIMIT OF STARS: ANALYZING AGE-DEPENDENT STELLAR MASS FUNCTIONS. Astrophysical Journal, 2014, 780, 117.	1.6	120
74	THE INCIDENCE OF STELLAR MERGERS AND MASS GAINERS AMONG MASSIVE STARS. Astrophysical Journal, 2014, 782, 7.	1.6	251
75	THE ROTATION RATES OF MASSIVE STARS: THE ROLE OF BINARY INTERACTION THROUGH TIDES, MASS TRANSFER, AND MERGERS. Astrophysical Journal, 2013, 764, 166.	1.6	382
76	HUBBLE TARANTULA TREASURY PROJECT: UNRAVELING TARANTULA'S WEB. I. OBSERVATIONAL OVERVIEW AND FIRST RESULTS. Astronomical Journal, 2013, 146, 53.	1.9	47
77	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2013, 550, A107.	2.1	368
78	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2013, 550, A109.	2.1	94
79	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2013, 560, A29.	2.1	169
80	Binary Interaction Dominates the Evolution of Massive Stars. Science, 2012, 337, 444-446.	6.0	1,397
81	A DOUBLE CLUSTER AT THE CORE OF 30 DORADUS. Astrophysical Journal Letters, 2012, 754, L37.	3.0	68
82	THE VLT-FLAMES TARANTULA SURVEY: THE FASTEST ROTATING O-TYPE STAR AND SHORTEST PERIOD LMC PULSARâ€"REMNANTS OF A SUPERNOVA DISRUPTED BINARY?. Astrophysical Journal Letters, 2011, 743, L22.	3.0	57
83	Rotating massive main-sequence stars. Astronomy and Astrophysics, 2011, 530, A115.	2.1	624
84	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2011, 530, L10.	2.1	32
85	Rotating massive main-sequence stars. Astronomy and Astrophysics, 2011, 530, A116.	2.1	160
86	The VLT-FLAMES Tarantula Survey. Astronomy and Astrophysics, 2011, 530, A108.	2.1	217
87	Binary progenitor models of type IIb supernovae. Astronomy and Astrophysics, 2011, 528, A131.	2.1	94
88	Rotational mixing in massive binaries. Astronomy and Astrophysics, 2009, 497, 243-253.	2.1	191
89	The evolution of runaway stellar collision products. Astronomy and Astrophysics, 2009, 497, 255-264.	2.1	148
90	Massive binaries as the source of abundance anomalies in globular clusters. Astronomy and Astrophysics, 2009, 507, L1-L4.	2.1	336

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91	Binaries at Low Metallicity: Ranges For Case A, B and C Mass Transfer. AIP Conference Proceedings, 2008, , .	0.3	4
92	Rotational mixing in close binaries. Proceedings of the International Astronomical Union, 2008, 4, 365-370.	0.0	5
93	Efficiency of mass transfer in massive close binaries. Astronomy and Astrophysics, 2007, 467, 1181-1196.	2.1	120
94	Constraining the overcontact phase in massive binary evolution. I. Mixing in V382 Cyg, VFTS 352, and OGLE SMC-SC10 108086. Astronomy and Astrophysics, 0, , .	2.1	18