

# Nicola Giacobbo

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

2,567  
citations

218662

26  
h-index

330122

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gravitational background from dynamical binaries and detectability with 2G detectors. <i>Physical Review D</i> , 2022, 105, .	4.7	7
2	The cosmic merger rate density of compact objects: impact of star formation, metallicity, initial mass function, and binary evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4877-4889.	4.4	91
3	Hierarchical black hole mergers in young, globular and nuclear star clusters: the effect of metallicity, spin and cluster properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 339-358.	4.4	77
4	Constraining accretion efficiency in massive binary stars with LIGO â€œVirgo black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3873-3882.	4.4	15
5	High Mass but Low Spin: An Exclusion Region to Rule Out Hierarchical Black Hole Mergers as a Mechanism to Populate the Pair-instability Mass Gap. <i>Astrophysical Journal</i> , 2021, 915, 56.	4.5	17
6	The impact of binaries on the evolution of star clusters from turbulent molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2253-2266.	4.4	5
7	Intermediate-mass black holes from stellar mergers in young star clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5132-5143.	4.4	40
8	Dynamics of binary black holes in low-mass young star clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3612-3625.	4.4	27
9	Modeling the outcome of supernova explosions in binary population synthesis using the stellar compactness. <i>Rendiconti Lincei</i> , 2021, 32, 665-673.	2.2	4
10	New insights on binary black hole formation channels after GWTC-2: young star clusters versus isolated binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5224-5235.	4.4	44
11	Cosmic archaeology with massive stellar black hole binaries. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 495, L81-L85.	3.3	14
12	An astrophysically motivated ranking criterion for low-latency electromagnetic follow-up of gravitational wave events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1841-1852.	4.4	20
13	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
14	Dynamics of black holeâ€œneutron star binaries in young star clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1563-1570.	4.4	60
15	Binary black holes in young star clusters: the impact of metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 495-506.	4.4	92
16	Fingerprints of Binary Black Hole Formation Channels Encoded in the Mass and Spin of Merger Remnants. <i>Astrophysical Journal</i> , 2020, 894, 133.	4.5	70
17	Mass and star formation rate of the host galaxies of compact binary mergers across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 3419-3434.	4.4	35
18	Impact of the Rotation and Compactness of Progenitors on the Mass of Black Holes. <i>Astrophysical Journal</i> , 2020, 888, 76.	4.5	96

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19	Revising Natal Kick Prescriptions in Population Synthesis Simulations. <i>Astrophysical Journal</i> , 2020, 891, 141.	4.5	71
20	The Cosmic Merger Rate Density Evolution of Compact Binaries Formed in Young Star Clusters and in Isolated Binaries. <i>Astrophysical Journal</i> , 2020, 898, 152.	4.5	75
21	Black-Hole Remnants from Black-Hole–Neutron-Star Mergers. <i>Physical Review Letters</i> , 2019, 123, 041102.	7.8	36
22	Constraining the Fraction of Binary Black Holes Formed in Isolation and Young Star Clusters with Gravitational-wave Data. <i>Astrophysical Journal</i> , 2019, 886, 25.	4.5	59
23	The host galaxies of double compact objects across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4622-4631.	4.4	25
24	Gravitational-wave detection rates for compact binaries formed in isolation: LIGO/Virgo O3 and beyond. <i>Physical Review D</i> , 2019, 100, .	4.7	70
25	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
26	The properties of merging black holes and neutron stars across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2-13.	4.4	96
27	Merging black holes in young star clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2947-2960.	4.4	187
28	The impact of electron-capture supernovae on merging double neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2234-2243.	4.4	81
29	Merging black hole binaries with the SEVN code. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 889-907.	4.4	178
30	Black Hole dynamics in Young Star Clusters. <i>Proceedings of the International Astronomical Union</i> , 2019, 14, 490-493.	0.0	0
31	Bounding alternative theories of gravity with multiband GW observations. <i>Physical Review D</i> , 2019, 100, .	4.7	40
32	The High Mass X-ray binaries in star-forming galaxies. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 332-336.	0.0	2
33	The host galaxies of double compact objects merging in the local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5324-5330.	4.4	37
34	The cosmic merger rate of neutron stars and black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4391-4398.	4.4	154
35	Merging black hole binaries: the effects of progenitor's metallicity, mass-loss rate and Eddington factor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2959-2974.	4.4	206
36	The progenitors of compact-object binaries: impact of metallicity, common envelope and natal kicks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2011-2030.	4.4	238

#	ARTICLE	IF	CITATIONS
37	The cosmic merger rate of stellar black hole binaries from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2422-2435.	4.4	135