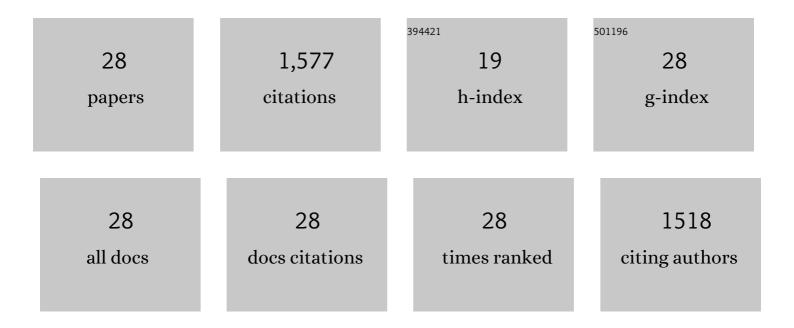
Alejandro Vigna-GÃ³mez

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Formation of the first three gravitational-wave observations through isolated binary evolution. Nature Communications, 2017, 8, 14906.	12.8	270
2	The effect of the metallicity-specific star formation history on double compact object mergers. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3740-3759.	4.4	192
3	On the formation history of Galactic double neutron stars. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4009-4029.	4.4	189
4	The Impact of Pair-instability Mass Loss on the Binary Black Hole Mass Distribution. Astrophysical Journal, 2019, 882, 121.	4.5	114
5	Accuracy of inference on the physics of binary evolution from gravitational-wave observations. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4685-4695.	4.4	100
6	Impact of massive binary star and cosmic evolution on gravitational wave observations I: black hole–neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5028-5063.	4.4	83
7	Explosions Driven by the Coalescence of a Compact Object with the Core of a Massive-star Companion inside a Common Envelope: Circumstellar Properties, Light Curves, and Population Statistics. Astrophysical Journal, 2020, 892, 13.	4.5	57
8	Rapid Stellar and Binary Population Synthesis with COMPAS. Astrophysical Journal, Supplement Series, 2022, 258, 34.	7.7	57
9	Detecting double neutron stars with LISA. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3061-3072.	4.4	49
10	Binary population synthesis with probabilistic remnant mass and kick prescriptions. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1380-1384.	4.4	49
11	Massive Stellar Triples Leading to Sequential Binary Black Hole Mergers in the Field. Astrophysical Journal Letters, 2021, 907, L19.	8.3	45
12	Luminous Red Novae: population models and future prospects. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3229-3240.	4.4	42
13	Be X-ray binaries in the SMC as indicators of mass-transfer efficiency. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4705-4720.	4.4	40
14	Common envelope episodes that lead to double neutron star formation. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	40
15	Chemically homogeneous evolution: a rapid population synthesis approach. Monthly Notices of the Royal Astronomical Society, 2021, 505, 663-676.	4.4	33
16	An extremely energetic supernova from a very massive star in a dense medium. Nature Astronomy, 2020, 4, 893-899.	10.1	31
17	<scp>stroopwafel</scp> : simulating rare outcomes from astrophysical populations, with application to gravitational-wave sources. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5228-5248.	4.4	30
18	Wind Mass-loss Rates of Stripped Stars Inferred from Cygnus X-1. Astrophysical Journal, 2021, 908, 118.	4.5	29

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19	Massive Stellar Mergers as Precursors of Hydrogen-rich Pulsational Pair Instability Supernovae. Astrophysical Journal Letters, 2019, 876, L29.	8.3	28
20	Formation pathway for lonely stripped-envelope supernova progenitors: implications for Cassiopeia A. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1154-1171.	4.4	19
21	Constraints on Weak Supernova Kicks from Observed Pulsar Velocities. Astrophysical Journal Letters, 2021, 920, L37.	8.3	18
22	Stellar response after stripping as a model for common-envelope outcomes. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2326-2338.	4.4	16
23	Fallback Supernova Assembly of Heavy Binary Neutron Stars and Light Black Hole–Neutron Star Pairs and the Common Stellar Ancestry of GW190425 and GW200115. Astrophysical Journal Letters, 2021, 920, L17.	8.3	12
24	COMPAS: A rapid binary population synthesis suite. Journal of Open Source Software, 2022, 7, 3838.	4.6	9
25	Exploring the Parameter Space of Compact Binary Population Synthesis. Proceedings of the International Astronomical Union, 2016, 12, 46-50.	0.0	8
26	Multimessenger Constraints on Magnetic Fields in Merging Black Hole–Neutron Star Binaries. Astrophysical Journal, 2022, 927, 56.	4.5	8
27	Mergers prompted by dynamics in compact, multiple-star systems: a stellar-reduction case for the massive triple TIC 470710327. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 515, L50-L55.	3.3	5
28	Wide binary pulsars from electron-capture supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 513, 6105-6110.	4.4	4