

# Floor S Broekgaarden

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4512398/publications.pdf>

Version: 2024-02-01

18  
papers

871  
citations

687363

13  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

754  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Rates of compact object coalescences. Living Reviews in Relativity, 2022, 25, 1.	26.7	102
3	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
4	Polluting the Pair-instability Mass Gap for Binary Black Holes through Super-Eddington Accretion in Isolated Binaries. Astrophysical Journal, 2020, 897, 100.	4.5	77
5	Rapid Stellar and Binary Population Synthesis with COMPAS. Astrophysical Journal, Supplement Series, 2022, 258, 34.	7.7	57
6	The Redshift Evolution of the Binary Black Hole Merger Rate: A Weighty Matter. Astrophysical Journal, 2022, 931, 17.	4.5	56
7	Impact of massive binary star and cosmic evolution on gravitational wave observations – II. Double compact object rates and properties. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5737-5761.	4.4	47
8	Modelling neutron star–black hole binaries: future pulsar surveys and gravitational wave detectors. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3682-3710.	4.4	43
9	Evidence for X-Ray Emission in Excess to the Jet-afterglow Decay 3.5 yr after the Binary Neutron Star Merger GW 170817: A New Emission Component. Astrophysical Journal Letters, 2022, 927, L17.	8.3	41
10	Common envelope episodes that lead to double neutron star formation. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	40
11	Formation of the First Two Black Hole–Neutron Star Mergers (GW200115 and GW200105) from Isolated Binary Evolution. Astrophysical Journal Letters, 2021, 920, L13.	8.3	33
12	Evidence from Disrupted Halo Dwarfs that r-process Enrichment via Neutron Star Mergers is Delayed by $\sim 3500$ Myr. Astrophysical Journal Letters, 2022, 926, L36.	8.3	33
13	<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
14	Modelling the formation of the first two neutron star–black hole mergers, GW200105 and GW200115: metallicity, chirp masses, and merger remnant spins. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5780-5789.	4.4	12
15	COMPAS: A rapid binary population synthesis suite. Journal of Open Source Software, 2022, 7, 3838.	4.6	9
16	Population synthesis of accreting white dwarfs: rates and evolutionary pathways of H and He novae. Monthly Notices of the Royal Astronomical Society, 2021, 504, 6117-6143.	4.4	7
17	Uncertainty quantification of a computer model for binary black hole formation. Annals of Applied Statistics, 2021, 15, .	1.1	5
18	Wide binary pulsars from electron-capture supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 513, 6105-6110.	4.4	4