Silvia Toonen

List of Publications by Year
in descending order

26 papers	1,598 citations	430874 18 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	2191 citing authors

#	Article	IF	Citations
1	A *Gaia* Data Release 2 catalogue of white dwarfs and a comparison with SDSS. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4570-4591.	4.4	287
2	Binary Black Hole Mergers from Field Triples: Properties, Rates, and the Impact of Stellar Evolution. Astrophysical Journal, 2017, 841, 77.	4.5	223
3	Three Hypervelocity White Dwarfs in Gaia DR2: Evidence for Dynamically Driven Double-degenerate Double-detonation Type Ia Supernovae. Astrophysical Journal, 2018, 865, 15.	4.5	145
4	Prospects for detection of detached double white dwarf binaries with Gaia, LSST and LISA. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1894-1910.	4.4	143
5	A planetesimal orbiting within the debris disc around a white dwarf star. Science, 2019, 364, 66-69.	12.6	131
6	The evolution of hierarchical triple star-systems. Computational Astrophysics and Cosmology, 2016, 3, .	22.7	130
7	Gaia white dwarfs within 40‰pc II: the volume-limited Northern hemisphere sample. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1890-1908.	4.4	73
8	Formation and evolution of hybrid He–CO white dwarfs and their properties. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1135-1142.	4.4	54
9	Detecting hierarchical stellar systems with LISA. Physical Review D, 2018, 98, .	4.7	48
10	Massive Stellar Triples Leading to Sequential Binary Black Hole Mergers in the Field. Astrophysical Journal Letters, 2021, 907, L19.	8.3	45
11	Double White Dwarf Merger Products among High-mass White Dwarfs. Astrophysical Journal, 2020, 891, 160.	4.5	41
12	Neutron star–white dwarf mergers: early evolution, physical properties, and outcomes. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1805-1813.	4.4	36
13	The diverse lives of progenitors of hydrogen-rich core-collapse supernovae: the role of binary interaction. Astronomy and Astrophysics, 2019, 631, A5.	5.1	35
14	Observationally driven Galactic double white dwarf population for *LISA*. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5936-5947.	4.4	35
15	The Evolution of the Type Ia Supernova Luminosity Function. Astrophysical Journal Letters, 2017, 851, L50.	8.3	25
16	Milky Way Satellites Shining Bright in Gravitational Waves. Astrophysical Journal Letters, 2020, 894, L15.	8.3	25
17	Astronomical Distance Determination in the Space Age. Space Science Reviews, 2018, 214, 1.	8.1	24
18	HAYDN. Experimental Astronomy, 2021, 51, 963-1001.	3.7	22

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19	Combined analysis of neutron star natal kicks using proper motions and parallax measurements for radio pulsars and Be X-ray binaries. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3345-3364.	4.4	20
20	Mergers of equal-mass binaries with compact object companions from mass transfer in triple star systems. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1819-1833.	4.4	16
21	A gap in the double white dwarf separation distribution caused by the common-envelope evolution: astrometric evidence from <i>Gaia</i>. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1228-1246.	4.4	10
22	Weighing Milky Way satellites with LISA. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 502, L55-L60.	3.3	9
23	Near-Chandrasekhar-mass Type Ia Supernovae from the Double-degenerate Channel. Astrophysical Journal, 2022, 925, 92.	4.5	9
24	The Nearest Discovered Black Hole Is Likely Not in a Triple Configuration. Astrophysical Journal Letters, 2020, 897, L29.	8.3	7
25	Unexpected Short-period Variability in Dwarf Carbon Stars from the Zwicky Transient Facility. Astrophysical Journal, 2021, 922, 33.	4.5	4
26	New Clues to the Evolution of Dwarf Carbon Stars From Their Variability and X-Ray Emission. Astrophysical Journal, 2022, 926, 210.	4.5	1