

# Ashley J Ruiter

## List of Publications by Year in descending order

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63  
papers

4,606  
citations

126858

33  
h-index

118793

62  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3780  
citing authors

#	ARTICLE	IF	CITATIONS
1	Millisecond pulsars from accretion-induced collapse as the origin of the Galactic Centre gamma-ray excess signal. <i>Nature Astronomy</i> , 2022, 6, 703-707.	4.2	18
2	Population synthesis of accreting white dwarfs: rates and evolutionary pathways of H and He novae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 6117-6143.	1.6	7
3	Searching for Surviving Companion in the Young SMC Supernova Remnant 1E 0102.2-7219. <i>Astrophysical Journal</i> , 2021, 915, 20.	1.6	2
4	Prospects of direct detection of 48V gamma-rays from thermonuclear supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1590-1598.	1.6	4
5	The X-ray emissivity of low-density stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5684-5708.	1.6	12
6	Nucleosynthesis imprints from different Type Ia supernova explosion scenarios and implications for galactic chemical evolution. <i>Astronomy and Astrophysics</i> , 2020, 644, A118.	2.1	37
7	LIN 358: a symbiotic binary accreting above the steady hydrogen fusion limit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3763-3775.	1.6	3
8	The Impact of Nuclear Physics Uncertainties on Galactic Chemical Evolution Predictions. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012008.	0.3	1
9	SN1991bg-like supernovae are associated with old stellar populations. <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	1.3	15
10	Remnants and ejecta of thermonuclear electron-capture supernovae. <i>Astronomy and Astrophysics</i> , 2019, 622, A74.	2.1	47
11	On the formation of neutron stars via accretion-induced collapse in binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 698-711.	1.6	50
12	Type Ia supernova sub-classes and progenitor origin. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 1-15.	0.0	31
13	Red and Reddened: Ultraviolet through Near-infrared Observations of Type Ia Supernova 2017erp*. <i>Astrophysical Journal</i> , 2019, 877, 152.	1.6	22
14	A Supernova Remnant Counterpart for HESS J1832+085. <i>Astrophysical Journal</i> , 2019, 885, 129.	1.6	2
15	Calibrating Interstellar Abundances Using Supernova Remnant Radiative Shocks. <i>Astronomical Journal</i> , 2019, 157, 50.	1.9	31
16	Identification of the central compact object in the young supernova remnant 1E 0102.2-7219. <i>Nature Astronomy</i> , 2018, 2, 465-471.	4.2	19
17	i-process Contribution of Rapidly Accreting White Dwarfs to the Solar Composition of First-peak Neutron-capture Elements. <i>Astrophysical Journal</i> , 2018, 854, 105.	1.6	39
18	Shocked Interstellar Clouds and Dust Grain Destruction in the LMC Supernova Remnant N132D. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 10.	3.0	17

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19	SN2017ens: The Metamorphosis of a Luminous Broadlined Type Ic Supernova into an SNIIIn. <i>Astrophysical Journal Letters</i> , 2018, 867, L31.	3.0	33
20	Positron annihilation in the nuclear outflows of the Milky Way. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 474, L17-L21.	1.2	10
21	Integral Field Spectroscopy of Supernova Remnant 1E0102.2-7219 Reveals Fast-moving Hydrogen and Sulfur-rich Ejecta. <i>Astrophysical Journal Letters</i> , 2018, 853, L32.	3.0	12
22	Diffuse Galactic antimatter from faint thermonuclear supernovae in old stellar populations. <i>Nature Astronomy</i> , 2017, 1, .	4.2	40
23	A kilonova as the electromagnetic counterpart to a gravitational-wave source. <i>Nature</i> , 2017, 551, 75-79.	13.7	601
24	Linking the X3D Pathway to Integral Field Spectrographs: YSNR 1E 0102.2-7219 in the SMC as a Case Study. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 058012.	1.0	12
25	The late-time light curve of the Type Ia supernova SN 2011fe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3798-3812.	1.6	42
26	Extremely late photometry of the nearby SN 2011fe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2534-2542.	1.6	30
27	MUSE Integral Field Observations of the Oxygen-rich SNR 1E 0102.2-7219. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 178-183.	0.0	1
28	First Results of the SkyMapper Transient Survey. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 3-6.	0.0	1
29	Three-dimensional simulations of gravitationally confined detonations compared to observations of SN 1991T. <i>Astronomy and Astrophysics</i> , 2016, 592, A57.	2.1	56
30	The type Ia supernova, SN 2015H. <i>Astronomy and Astrophysics</i> , 2016, 589, A89.	2.1	55
31	SN1991bg-like supernovae are a compelling source of most Galactic antimatter. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 176-179.	0.0	0
32	450 d of Type II SN 2013ej in optical and near-infrared. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2003-2018.	1.6	57
33	Predicting polarization signatures for double-detonation and delayed-detonation models of Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1039-1056.	1.6	36
34	Neutrino and gravitational wave signal of a delayed-detonation model of type Ia supernovae. <i>Physical Review D</i> , 2015, 92, .	1.6	22
35	R CORONAE BOREALIS STARS ARE VIABLE FACTORIES OF PRE-SOLAR GRAINS. <i>Astrophysical Journal</i> , 2015, 809, 184.	1.6	19
36	Deflagrations in hybrid CO-ne white dwarfs: a route to explain the faint Type Ia supernova 2008ha. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 3045-3053.	1.6	104

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37	Type Ia supernovae from exploding oxygen-neon white dwarfs. <i>Astronomy and Astrophysics</i> , 2015, 580, A118.	2.1	54
38	Spectroscopy of the Type Ia supernova 2011fe past 1000 d. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 448, L48-L52.	1.2	31
39	5.9-keV Mn K-shell X-ray luminosity from the decay of $^{55}\text{Fe}$ in Type Ia supernova models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1484-1490.	1.6	25
40	OGLE-2013-SN-079: A LONELY SUPERNOVA CONSISTENT WITH A HELIUM SHELL DETONATION. <i>Astrophysical Journal Letters</i> , 2015, 799, L2.	3.0	25
41	PopCORN: Hunting down the differences between binary population synthesis codes. <i>Astronomy and Astrophysics</i> , 2014, 562, A14.	2.1	76
42	VERY LATE PHOTOMETRY OF SN 2011fe. <i>Astrophysical Journal Letters</i> , 2014, 796, L26.	3.0	34
43	The ejected mass distribution of Type Ia supernovae: a significant rate of non-Chandrasekhar-mass progenitors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2535-2544.	1.6	104
44	The effect of helium accretion efficiency on rates of Type Ia supernovae: double detonations in accreting binaries. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 440, L101-L105.	1.2	60
45	Three-dimensional pure deflagration models with nucleosynthesis and synthetic observables for Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 1762-1783.	1.6	208
46	Towards an understanding of Type Ia supernovae from a synthesis of theory and observations. <i>Frontiers of Physics</i> , 2013, 8, 116-143.	2.4	232
47	3D deflagration simulations leaving bound remnants: a model for 2002cx-like Type Ia supernovae... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 2287-2297.	1.6	175
48	Synthetic light curves and spectra for three-dimensional delayed-detonation models of Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 333-347.	1.6	87
49	On the brightness distribution of Type Ia supernovae from violent white dwarf mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 1425-1436.	1.6	107
50	Three-dimensional delayed-detonation models with nucleosynthesis for Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 1156-1172.	1.6	381
51	Solar abundance of manganese: a case for near Chandrasekhar-mass Type Ia supernova progenitors. <i>Astronomy and Astrophysics</i> , 2013, 559, L5.	2.1	122
52	2D simulations of the double-detonation model for thermonuclear transients from low-mass carbon-oxygen white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 3003-3016.	1.6	121
53	Thermonuclear Supernova Explosions from White Dwarfs in Different Progenitor Systems. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 261-266.	0.0	0
54	Type Ia Supernovae from Sub-Chandrasekhar Mass White Dwarfs. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 267-274.	0.0	1

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55	Delay times and rates for Type Ia supernovae and thermonuclear explosions from double-detonation sub-Chandrasekhar mass models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 408-419.	1.6	128
56	THE <i>LISA</i> GRAVITATIONAL WAVE FOREGROUND: A STUDY OF DOUBLE WHITE DWARFS. <i>Astrophysical Journal</i> , 2010, 717, 1006-1021.	1.6	113
57	SPECTRA OF TYPE IA SUPERNOVAE FROM DOUBLE DEGENERATE MERGERS. <i>Astrophysical Journal</i> , 2010, 725, 296-308.	1.6	73
58	Sub-luminous type Ia supernovae from the mergers of equal-mass white dwarfs with mass $\approx 0.9 M_{\odot}$ . <i>Nature</i> , 2010, 463, 61-64.	13.7	307
59	DETONATIONS IN SUB-CHANDRASEKHAR-MASS C+O WHITE DWARFS. <i>Astrophysical Journal Letters</i> , 2010, 714, L52-L57.	3.0	296
60	THE CONTRIBUTION OF HALO WHITE DWARF BINARIES TO THE <i>LISA</i> LASER INTERFEROMETER SPACE ANTENNA SIGNAL. <i>Astrophysical Journal</i> , 2009, 693, 383-387.	1.6	22
61	RATES AND DELAY TIMES OF TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2009, 699, 2026-2036.	1.6	256
62	The Nature of the Faint Chandra X-Ray Sources in the Galactic Center. <i>Astrophysical Journal</i> , 2006, 640, L167-L170.	1.6	22
63	New Constraints on Type Ia Supernova Progenitor Models. <i>Astrophysical Journal</i> , 2005, 629, 915-921.	1.6	51