

# Jan van Roestel

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

2,754  
citations

331670

21  
h-index

243625

44  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery and characterization of five new eclipsing AM CVn systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5440-5461.	4.4	22
2	A WC/WO star exploding within an expanding carbon-oxygen-neon nebula. <i>Nature</i> , 2022, 601, 201-204.	27.8	48
3	Discovery of a Double-detonation Thermonuclear Supernova Progenitor. <i>Astrophysical Journal Letters</i> , 2022, 925, L12.	8.3	20
4	The OmegaWhite survey for short-period variable stars – VII. High amplitude short-period blue variables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2215-2225.	4.4	6
5	A 62-minute orbital period black widow binary in a wide hierarchical triple. <i>Nature</i> , 2022, 605, 41-45.	27.8	13
6	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. <i>Astrophysical Journal</i> , 2021, 907, 99.	4.5	59
7	Time-series and Phase-curve Photometry of the Episodically Active Asteroid (6478) Gault in a Quiescent State Using APO, GROWTH, P200, and ZTF. <i>Astrophysical Journal Letters</i> , 2021, 911, L35.	8.3	10
8	HO Puppis: Not a Be Star, but a Newly Confirmed IW And-type Star. <i>Astrophysical Journal</i> , 2021, 911, 51.	4.5	3
9	The ZTF Source Classification Project. I. Methods and Infrastructure. <i>Astronomical Journal</i> , 2021, 161, 267.	4.7	16
10	A hot subdwarf-white dwarf super-Chandrasekhar candidate supernova Ia progenitor. <i>Nature Astronomy</i> , 2021, 5, 1052-1061.	10.1	34
11	Cataclysmic Variables in the Second Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2021, 162, 94.	4.7	8
12	A Systematic Search for Outbursting AM CVn Systems with the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2021, 162, 113.	4.7	15
13	SN 2020bjj: A Type Ibn supernova with a long-lasting peak plateau. <i>Astronomy and Astrophysics</i> , 2021, 652, A136.	5.1	7
14	Confirmation of a Second Propeller: A High-inclination Twin of AE Aquarii. <i>Astrophysical Journal</i> , 2021, 917, 22.	4.5	11
15	Real-time discovery of AT2020xnd: a fast, luminous ultraviolet transient with minimal radioactive ejecta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5138-5147.	4.4	44
16	An Outburst by AM CVn Binary SDSS J113732.32+405458.3. <i>Research Notes of the AAS</i> , 2021, 5, 3.	0.7	5
17	Multi-wavelength Observations of AT2019wey: a New Candidate Black Hole Low-mass X-ray Binary. <i>Astrophysical Journal</i> , 2021, 920, 120.	4.5	12
18	ZTFJ0038+2030: A Long-period Eclipsing White Dwarf and a Substellar Companion. <i>Astrophysical Journal Letters</i> , 2021, 919, L26.	8.3	15

#	ARTICLE	IF	CITATIONS
19	Cataclysmic Variables in the First Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2020, 159, 198.	4.7	22
20	The First Ultracompact Roche Lobe-Filling Hot Subdwarf Binary. <i>Astrophysical Journal</i> , 2020, 891, 45.	4.5	47
21	ZTF Early Observations of Type Ia Supernovae. II. First Light, the Initial Rise, and Time to Reach Maximum Brightness. <i>Astrophysical Journal</i> , 2020, 902, 47.	4.5	35
22	SN 2018fif: The Explosion of a Large Red Supergiant Discovered in Its Infancy by the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2020, 902, 6.	4.5	18
23	A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. <i>Astrophysical Journal</i> , 2020, 905, 32.	4.5	62
24	ZTF20aajnsq (AT 2020blt): A Fast Optical Transient at $z \approx 2.9$ with No Detected Gamma-Ray Burst Counterpart. <i>Astrophysical Journal</i> , 2020, 905, 98.	4.5	24
25	A New Class of Roche Lobe-Filling Hot Subdwarf Binaries. <i>Astrophysical Journal Letters</i> , 2020, 898, L25.	8.3	33
26	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 078001.	3.1	453
27	General relativistic orbital decay in a seven-minute-orbital-period eclipsing binary system. <i>Nature</i> , 2019, 571, 528-531.	27.8	96
28	A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators. <i>Astrophysical Journal Letters</i> , 2019, 878, L35.	8.3	32
29	Machine Learning for the Zwicky Transient Facility. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 038002.	3.1	83
30	The Kitt Peak Electron Multiplying CCD demonstrator. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1412-1419.	4.4	16
31	The Palomar Transient Factory Sky2Night programme. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4507-4528.	4.4	11
32	Phase-resolved spectroscopy of Gaia14aae: line emission from near the white dwarf surface. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1947-1960.	4.4	9
33	Orbital Decay in a 20 Minute Orbital Period Detached Binary with a Hydrogen-poor Low-mass White Dwarf. <i>Astrophysical Journal Letters</i> , 2019, 886, L12.	8.3	42
34	The Zwicky Transient Facility: System Overview, Performance, and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018002.	3.1	1,020
35	Simultaneous Observations of the Northern TESS Sectors by the Zwicky Transient Facility. <i>Research Notes of the AAS</i> , 2019, 3, 136.	0.7	11
36	Discovery of 36 eclipsing EL CVn binaries found by the Palomar Transient Factory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2560-2590.	4.4	30

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37	High-speed photometry of Gaia 14aae: an eclipsing AM CVn that challenges formation models. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1663-1679.	4.4	28
38	Convolutional neural networks for transient candidate vetting in large-scale surveys. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3101-3114.	4.4	32
39	The OmegaWhite Survey for short-period variable stars â€“ IV. Discovery of the warm DQ white dwarf OWA€%j175358.85âˆ³10728.9. Monthly Notices of the Royal Astronomical Society, 2017, 470, 732-741.	4.4	3
40	PTF1 J082340.04+081936.5: A Hot Subdwarf B Star with a Low-mass White Dwarf Companion in an 87-minute Orbit. Astrophysical Journal, 2017, 835, 131.	4.5	28
41	The OmegaWhite Survey for Short-period Variable Stars. V. Discovery of an Ultracompact Hot Subdwarf Binary with a Compact Companion in a 44-minute Orbit. Astrophysical Journal, 2017, 851, 28.	4.5	21
42	PTF1 J085713+331843, a new post-common-envelope binary in the orbital period gap of cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3109-3122.	4.4	2
43	A radio-pulsing white dwarf binary star. Nature, 2016, 537, 374-377.	27.8	117
44	The second data release of the INT Photometric HÎ± Survey of the Northern Galactic Plane (IPHAS DR2). Monthly Notices of the Royal Astronomical Society, 2014, 444, 3230-3257.	4.4	131