

# Nicole St-Louis

## List of Publications by Year in descending order

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45  
papers

1,080  
citations

394421

19  
h-index

414414

32  
g-index

45  
all docs

45  
docs citations

45  
times ranked

444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization variability among Wolf-Rayet stars. III - A new way to derive mass-loss rates for Wolf-Rayet stars in binary systems. <i>Astrophysical Journal</i> , 1988, 330, 286.	4.5	83
2	Polarization eclipse model of the Wolf-Rayet binary V444 Cygni with constraints on the stellar radii and an estimate of the Wolf-Rayet mass-loss rate. <i>Astrophysical Journal</i> , 1993, 410, 342.	4.5	78
3	The very massive binary NGC 3603-A1. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008, 389, L38-L42.	3.3	69
4	Polarization variability among Wolf-Rayet stars. V - Linear polarization of the bright Cygnus stars and an anticorrelation of variability with wind speed. <i>Astrophysical Journal</i> , 1989, 347, 1034.	4.5	67
5	Polarization variability among Wolf-Rayet stars. I. Linear polarization of a complete sample of southern Galactic WC stars. <i>Astrophysical Journal</i> , 1987, 322, 870.	4.5	65
6	The Wolf-Rayet binaries of the nitrogen sequence in the Large Magellanic Cloud. <i>Astronomy and Astrophysics</i> , 2019, 627, A151.	5.1	58
7	BRITe-Constellation high-precision time-dependent photometry of the early O-type supergiant $\eta$ Puppis unveils the photospheric drivers of its small- and large-scale wind structures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5532-5569.	4.4	51
8	Oscillations in the Massive Wolf-Rayet Star WR 123 with the MOST Satellite. <i>Astrophysical Journal</i> , 2005, 634, L109-L112.	4.5	46
9	Modelling the spectra of colliding winds in the Wolf-Rayet WC7+O binaries WR 42 and WR 79. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 402-410.	4.4	44
10	Wind Inhomogeneities in Wolf-Rayet Stars. IV. Using Clumps to Probe the Wind Structure in the WC8 Star HD 192103. <i>Astronomical Journal</i> , 2000, 120, 3201-3217.	4.7	38
11	The IUE Mega Campaign: Wind Structure and Variability of HD 50896 (WN5). <i>Astrophysical Journal</i> , 1995, 452, .	4.5	36
12	The variability of the BRITe-est Wolf-Rayet binary, $\beta$ Velorum. Photometric and spectroscopic evidence for colliding winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2715-2729.	4.4	34
13	A SYSTEMATIC SEARCH FOR COROTATING INTERACTION REGIONS IN APPARENTLY SINGLE GALACTIC WOLF-RAYET STARS. I. CHARACTERIZING THE VARIABILITY. <i>Astrophysical Journal</i> , 2009, 698, 1951-1962.	4.5	34
14	Modelling the colliding-winds spectra of the 19-d WR + OB binary in the massive triple system $\hat{A}$ Muscae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 335, 1069-1078.	4.4	33
15	The IUE MEGA Campaign: Wind Variability and Rotation in Early-Type Stars. <i>Astrophysical Journal</i> , 1995, 452, .	4.5	33
16	LARGE-SCALE PERIODIC VARIABILITY OF THE WIND OF THE WOLF-RAYET STAR WR 1 (HD 4004). <i>Astrophysical Journal</i> , 2010, 716, 929-941.	4.5	28
17	Photometry and polarimetry of the unusual WN5 star EZ Canis Majoris. <i>Astrophysical Journal</i> , 1989, 343, 426.	4.5	28
18	WR 110: A SINGLE WOLF-RAYET STAR WITH COROTATING INTERACTION REGIONS IN ITS WIND?. <i>Astrophysical Journal</i> , 2011, 735, 34.	4.5	24

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19	A SYSTEMATIC SEARCH FOR COROTATING INTERACTION REGIONS IN APPARENTLY SINGLE GALACTIC WOLF-RAYET STARS. II. A GLOBAL VIEW OF THE WIND VARIABILITY. <i>Astrophysical Journal</i> , 2011, 736, 140.	4.5	22
20	SEARCH FOR A MAGNETIC FIELD VIA CIRCULAR POLARIZATION IN THE WOLF-RAYET STAR EZ CMa. <i>Astrophysical Journal</i> , 2013, 764, 171.	4.5	21
21	Diagnostics of the unstable envelopes of Wolf-Rayet stars. <i>Astronomy and Astrophysics</i> , 2016, 590, A12.	5.1	19
22	An extensive spectroscopic time series of three Wolf-Rayet stars I. The lifetime of large-scale structures in the wind of WR 134. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3407-3417.	4.4	15
23	The CHARA Array resolves the long-period Wolf-Rayet binaries WR 137 and WR 138. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 4115-4124.	4.4	14
24	The chaotic wind of WR 40 as probed by BRITe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5921-5930.	4.4	14
25	Polarization light curve modelling of corotating interaction regions in the wind of the Wolf-Rayet star WR 6. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1886-1899.	4.4	13
26	On the origin of variable structures in the winds of hot luminous stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2-9.	4.4	12
27	Investigating the origin of the spectral line profiles of the Hot Wolf-Rayet Star WR 2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5834-5844.	4.4	12
28	REVEALING THE ASYMMETRY OF THE WIND OF THE VARIABLE WOLF-RAYET STAR WR1 (HD 4004) THROUGH SPECTROPOLARIZATION. <i>Astrophysical Journal</i> , 2013, 777, 9.	4.5	9
29	Polarimetric modeling of corotating interaction regions threading massive-star winds. <i>Astronomy and Astrophysics</i> , 2015, 575, A129.	5.1	9
30	A Multiwavelength Search for Intrinsic Linear Polarization in Wolf-Rayet Winds. <i>Astronomical Journal</i> , 2020, 159, 214.	4.7	9
31	NEW CONSTRAINTS ON THE ORIGIN OF THE SHORT-TERM CYCLICAL VARIABILITY OF THE WOLF-RAYET STAR WR 46. <i>Astrophysical Journal</i> , 2011, 735, 13.	4.5	8
32	Modelling the colliding-wind spectra of the WC8d+O8-9IV binary CV Ser (WR 113). <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2987-2999.	4.4	7
33	A Study of the Stochastic Photometric Variability in the Winds of Galactic Wolf-Rayet Stars. <i>Astrophysical Journal</i> , 2022, 925, 79.	4.5	7
34	WR 148: Identifying the companion of an extreme runaway massive binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stw2283.	4.4	6
35	Monte Carlo simulations of polarimetric and light variability from corotating interaction regions in hot stellar winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2873-2886.	4.4	6
36	Clumping in the Winds of Wolf-Rayet Stars. <i>Astrophysical Journal</i> , 2020, 903, 113.	4.5	5

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37	5 yr of BRITE-Constellation photometry of the luminous blue variable P Cygni: properties of the stochastic low-frequency variability. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4246-4255.	4.4	5
38	On the nature of the single eclipse per 80d orbit of the H-rich luminous WN star WR22. Monthly Notices of the Royal Astronomical Society, 2021, 510, 246-259.	4.4	4
39	Radio variability from corotating interaction regions threading Wolf-Rayet winds. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1127-1134.	4.4	3
40	Modeling the Optical to Ultraviolet Polarimetric Variability from Thomson Scattering in Colliding-wind Binaries. Astrophysical Journal, 2022, 933, 5.	4.5	3
41	The First Determination of the Rotation Rates of Wolf-Rayet Stars. Proceedings of the International Astronomical Union, 2007, 3, 139-144.	0.0	2
42	An extensive spectroscopic time series of three Wolf-Rayet stars II. A search for wind asymmetries in the dust-forming WC7 binary WR137. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4448-4458.	4.4	2
43	New insights into the WR nebula M1-67 with SITELLE. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5350-5361.	4.4	2
44	Precision photometric monitoring from space of the multiple system $\hat{\iota}$ Muscae including the WR binary WR48. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4465-4472.	4.4	1
45	No Detection of Strange Mode Pulsations in Massive Prime Candidate. Research Notes of the AAS, 2018, 2, 168.	0.7	1