

# Coralie Neiner

## List of Publications by Year in descending order

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105  
papers

3,478  
citations

117625

34  
h-index

175258

52  
g-index

105  
all docs

105  
docs citations

105  
times ranked

1300  
citing authors

#	ARTICLE	IF	CITATIONS
1	The magnetic field and magnetosphere of Plaskett's star: a fundamental shift in our understanding of the system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1944-1966.	4.4	6
2	Magnetic field topology, chemical spot distributions, and photometric variability of the Ap star $\tau$ Draconis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5821-5833.	4.4	4
3	Discovery of Eight "Main-sequence Radio Pulse Emitters" Using the GMRT: Clues to the Onset of Coherent Radio Emission in Hot Magnetic Stars. <i>Astrophysical Journal</i> , 2022, 925, 125.	4.5	15
4	MOBSTER " VI. The crucial influence of rotation on the radio magnetospheres of hot stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1429-1448.	4.4	41
5	The magnetic fields of $\hat{2}$ Coronae Borealis and the early F-star $\hat{f}$ Bootis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4278-4294.	4.4	3
6	MOBSTER " IV. Detection of a new magnetic B-type star from follow-up spectropolarimetric observations of photometrically selected candidates... <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4841-4849.	4.4	6
7	Magnetic signatures on mixed-mode frequencies. <i>Astronomy and Astrophysics</i> , 2021, 650, A53.	5.1	26
8	Space Photometry with Brite-Constellation. <i>Universe</i> , 2021, 7, 199.	2.5	8
9	The NAROO digitization center. <i>Astronomy and Astrophysics</i> , 2021, 652, A3.	5.1	2
10	The Polstar High Resolution Spectropolarimetry MIDEX Mission. , 2021, , .		9
11	<i>TESS</i> survey of rotational and pulsational variability of mercury " manganese stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5328-5344.	4.4	23
12	The magnetic fields and stellar winds of the mature late F-stars: $\hat{2}$ Virginis and $\hat{1}$ , Draconis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5117-5141.	4.4	4
13	A search for strong magnetic fields in massive and very massive stars in the Magellanic Clouds. <i>Astronomy and Astrophysics</i> , 2020, 635, A163.	5.1	13
14	Period spacings of gravity modes in rapidly rotating magnetic stars. <i>Astronomy and Astrophysics</i> , 2020, 636, A100.	5.1	29
15	Magnetic geometry and surface differential rotation of the bright Am star Alhena A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5794-5810.	4.4	19
16	Transport of angular momentum by stochastically excited waves as an explanation for the outburst of the rapidly rotating Be star HD49330. <i>Astronomy and Astrophysics</i> , 2020, 644, A9.	5.1	21
17	Detecting axisymmetric magnetic fields using gravity modes in intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2020, 638, A149.	5.1	30
18	<i> $\hat{2}$ </i> Cas: The first <i> $\hat{1}$ </i> Scuti star with a dynamo magnetic field. <i>Astronomy and Astrophysics</i> , 2020, 643, A110.	5.1	11

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19	The magnetic early B-type stars â€“ IV. Breakout or leakage? H $\alpha$ emission as a diagnostic of plasma transport in centrifugal magnetospheres. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5379-5395.	4.4	44
20	The complex fossil magnetic field of the $\delta$ Scuti star HD 41641. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1992-1999.	4.4	7
21	$\delta$ And: a post-main-sequence wind from a solar-mass star. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3438-3453.	4.4	12
22	Spectroscopic Detection of the Pre-White Dwarf Companion of Regulus. Astrophysical Journal, 2020, 902, 25.	4.5	8
23	Revisiting the pulsational characteristics of the exoplanet host star $\tau^2$ Pictoris. Astronomy and Astrophysics, 2019, 627, A28.	5.1	22
24	The magnetic early B-type stars â€“ III. A main-sequence magnetic, rotational, and magnetospheric biography. Monthly Notices of the Royal Astronomical Society, 2019, 490, 274-295.	4.4	65
25	The MiMeS survey of magnetism in massive stars: magnetic properties of the O-type star population. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5669-5687.	4.4	27
26	Diverse Variability of O and B Stars Revealed from 2-minute Cadence Light Curves in Sectors 1 and 2 of the TESS Mission: Selection of an Asteroseismic Sample. Astrophysical Journal Letters, 2019, 872, L9.	8.3	61
27	MOBSTER â€“ II. Identification of rotationally variable A stars observed with TESS in sectors 1â€“4. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4695-4710.	4.4	41
28	$\mu$ Lupi: measuring the heartbeat of a doubly magnetic massive binary with BRITE Constellation. Monthly Notices of the Royal Astronomical Society, 2019, 488, 64-77.	4.4	20
29	Magnetic OB[A] Stars with TESS: probing their Evolutionary and Rotational properties (MOBSTER) â€“ I. First-light observations of known magnetic B and A stars. Monthly Notices of the Royal Astronomical Society, 2019, 487, 304-317.	4.4	40
30	Magnetic characterization and variability study of the magnetic SPB star $\nu$ Lupi. Astronomy and Astrophysics, 2019, 622, A67.	5.1	5
31	The magnetic early B-type Stars II: stellar atmospheric parameters in the era of <i>Gaia</i> . Monthly Notices of the Royal Astronomical Society, 2019, 485, 1508-1527.	4.4	31
32	A volume-limited survey of mCP stars within 100â€“pc II: rotational and magnetic properties. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3127-3145.	4.4	63
33	A volume-limited survey of mCP stars within 100â€“pc â€“ I. Fundamental parameters and chemical abundances. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2300-2324.	4.4	55
34	Period spacings of gravity modes in rapidly rotating magnetic stars. Astronomy and Astrophysics, 2019, 627, A64.	5.1	37
35	Magnetic field topologies of the bright, weak-field Ap stars $\epsilon$ Aurigae and $\mu$ Ursae Majoris. Astronomy and Astrophysics, 2019, 621, A47.	5.1	43
36	Forward seismic modeling of the pulsating magnetic B-type star HD 43317. Astronomy and Astrophysics, 2018, 616, A148.	5.1	66

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37	The magnetic early B-type stars I: magnetometry and rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 5144-5178.	4.4	63
38	K2 space photometry reveals rotational modulation and stellar pulsations in chemically peculiar A and B stars. <i>Astronomy and Astrophysics</i> , 2018, 616, A77.	5.1	33
39	Detection of magnetic fields in chemically peculiar stars observed with the K2 space mission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2777-2793.	4.4	17
40	Mixed poloidal-toroidal magnetic configuration and surface abundance distributions of the Bp star 36 Lyn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3367-3376.	4.4	16
41	First results from the LIFE project: discovery of two magnetic hot evolved stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1521-1536.	4.4	22
42	Magnetic field topology of the cool, active, short-period binary system $\kappa^2$ Coronae Borealis. <i>Astronomy and Astrophysics</i> , 2018, 613, A60.	5.1	19
43	Detection of intrinsic variability in the eclipsing massive main-sequence O+B binary HD 165246. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 469, L118-L122.	3.3	9
44	Discovery of magnetic A supergiants: the descendants of magnetic main-sequence B stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1926-1935.	4.4	19
45	Magnetic characterization of the SPB $\hat{\iota}^2$ Cep hybrid pulsator HD 43317. <i>Astronomy and Astrophysics</i> , 2017, 605, A104.	5.1	18
46	Discovery of a magnetic field in the $\hat{\iota}^2$ Scuti F2m star $\hat{\iota}$ Pup. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 468, L46-L49.	3.3	17
47	The MiMeS survey of Magnetism in Massive Stars: magnetic analysis of the O-type stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2432-2470.	4.4	150
48	The pulsating magnetosphere of the extremely slowly rotating magnetic $\hat{\iota}^2$ Cep star $\hat{\iota}$ 41 CMa. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2286-2310.	4.4	22
49	BD-19 5044L: discovery of a short-period SB2 system with a magnetic Bp primary in the open cluster IC 4725. <i>Astronomy and Astrophysics</i> , 2017, 601, A129.	5.1	14
50	The most massive heartbeat: an in-depth analysis of $\hat{\iota}^1$ Orionis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 2494-2503.	4.4	40
51	BRITE Constellation: data processing and photometry. <i>Astronomy and Astrophysics</i> , 2017, 605, A26.	5.1	40
52	Studying the photometric and spectroscopic variability of the magnetic hot supergiant $\kappa^1$ Orionis Aa. <i>Astronomy and Astrophysics</i> , 2017, 602, A91.	5.1	18
53	HD 41641: A classical $\hat{\iota}^1$ Sct-type pulsator with chemical signatures of an Ap star. <i>Astronomy and Astrophysics</i> , 2016, 588, A71.	5.1	18
54	Weak magnetic field, solid-envelope rotation, and wave-induced N-enrichment in the SPB star $\hat{\iota}^1$ Cassiopeiae. <i>Astronomy and Astrophysics</i> , 2016, 587, A126.	5.1	7

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55	The <i>BRITE</i> Constellation Nanosatellite Mission: Testing, Commissioning, and Operations. Publications of the Astronomical Society of the Pacific, 2016, 128, 125001.	3.1	64
56	HD 35502: a hierarchical triple system with a magnetic B5IVpe primary. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1811-1828.	4.4	19
57	Discovery of a very weak magnetic field on the Am star Alhena. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L81-L84.	3.3	30
58	The MiMeS survey of magnetism in massive stars: introduction and overview. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2-22.	4.4	174
59	The magnetic field of the double-lined spectroscopic binary system HD 5550. Astronomy and Astrophysics, 2016, 589, A47.	5.1	25
60	Detection of ultra-weak magnetic fields in Am stars: $\hat{\Gamma}^2$ Ursae Majoris and $\hat{\Gamma}_1$ Leonis. Astronomy and Astrophysics, 2016, 586, A97.	5.1	49
61	<i>Kepler</i> 's first view of O-star variability: <i>K2</i> data of five O stars in Campaign 0 as a proof of concept for O-star asteroseismology. Monthly Notices of the Royal Astronomical Society, 2015, 453, 89-100.	4.4	36
62	Search for magnetic fields in particle-accelerating colliding-wind binaries. Astronomy and Astrophysics, 2015, 575, A66.	5.1	17
63	An infrared diagnostic for magnetism in hot stars. Astronomy and Astrophysics, 2015, 578, A112.	5.1	12
64	The MiMeS survey of magnetism in massive stars: CNO surface abundances of Galactic O stars. Astronomy and Astrophysics, 2015, 575, A34.	5.1	91
65	First discovery of a magnetic field in a main-sequence $\hat{\Gamma}$ Scuti star: the <i>Kepler</i> star HD 188774. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 454, L86-L90.	3.3	24
66	Confirming HD 23478 as a new magnetic B star hosting an $\hat{H}$ -bright centrifugal magnetosphere. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1928-1938.	4.4	22
67	The magnetic field of $\hat{\Gamma}$ Orionis A. Astronomy and Astrophysics, 2015, 582, A110.	5.1	24
68	Discovery of new magnetic early-B stars within the MiMeS HARPSpol survey. Astronomy and Astrophysics, 2014, 567, A28.	5.1	33
69	Impact of rotation on stochastic excitation of gravity and gravito-inertial waves in stars. Astronomy and Astrophysics, 2014, 565, A47.	5.1	46
70	Extensive study of HD 25558, a long-period double-lined binary with two SPB components. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3535-3556.	4.4	7
71	Angular momentum transport by stochastically excited oscillations in rapidly rotating massive stars. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1515-1522.	4.4	24
72	An observational evaluation of magnetic confinement in the winds of BA supergiants... Monthly Notices of the Royal Astronomical Society, 2014, 438, 1114-1126.	4.4	9

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73	The BinaMlCS project: understanding the origin of magnetic fields in massive stars through close binary systems. Proceedings of the International Astronomical Union, 2014, 9, 330-335.	0.0	17
74	Magnetic fields in early-type stars. Proceedings of the International Astronomical Union, 2014, 10, 53-60.	0.0	7
75	The origin of magnetic fields in hot stars. Proceedings of the International Astronomical Union, 2014, 10, 61-66.	0.0	23
76	Magnetic field topology of the unique chemically peculiar star CU Virginis. Astronomy and Astrophysics, 2014, 565, A83.	5.1	73
77	Discovery of a magnetic field in the rapidly rotating O-type secondary of the colliding-wind binary HD 47129 (Plaskett's star). Monthly Notices of the Royal Astronomical Society, 2013, 428, 1686-1695.	4.4	55
78	<i>MOST</i> OBSERVATIONS OF $\gamma$ Ori E: CHALLENGING THE CENTRIFUGAL BREAKOUT NARRATIVE. Astrophysical Journal, 2013, 769, 33.	4.5	39
79	Roadmap on the theoretical work of BinaMlCS. Proceedings of the International Astronomical Union, 2013, 9, 311-312.	0.0	2
80	Discovery of a magnetic field in the CoRoT hybrid B-type pulsator HD 43317. Astronomy and Astrophysics, 2013, 557, L16.	5.1	28
81	Discovery of the magnetic field in the pulsating B star $\hat{\rho}^2$ Cephei. Astronomy and Astrophysics, 2013, 555, A46.	5.1	27
82	The dramatic change of the fossil magnetic field of HD 190073: evidence of the birth of the convective core in a Herbig star?. Astronomy and Astrophysics, 2013, 549, L8.	5.1	21
83	Stochastic gravito-inertial modes discovered by CoRoT in the hot Be star HD 51452. Astronomy and Astrophysics, 2012, 546, A47.	5.1	54
84	Seismic modelling of the late Be stars HD 181231 and HD 175869 observed with CoRoT: a laboratory for mixing processes. Astronomy and Astrophysics, 2012, 539, A90.	5.1	25
85	NGC 1624-2: a slowly rotating, X-ray luminous Of?p star with an extraordinarily strong magnetic field. Monthly Notices of the Royal Astronomical Society, 2012, 425, 1278-1293.	4.4	68
86	Investigating the spectroscopic, magnetic and circumstellar variability of the O9 subgiant star HD 57682. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2208-2227.	4.4	44
87	Multisite spectroscopic seismic study of the $\hat{\rho}^2$ Cep star V2052 Ophiuchi: inhibition of mixing by its magnetic field. Monthly Notices of the Royal Astronomical Society, 2012, 427, 483-493.	4.4	64
88	HD 96446: a puzzle for current models of magnetospheres?. Astronomy and Astrophysics, 2012, 546, A44.	5.1	25
89	CRITICAL EVALUATION OF MAGNETIC FIELD DETECTIONS REPORTED FOR PULSATING B-TYPE STARS IN LIGHT OF ESPaDOmS, NARVAL, AND REANALYZED FORS1/2 OBSERVATIONS. Astrophysical Journal, 2012, 750, 2.	4.5	32
90	Revisiting the Rigidly Rotating Magnetosphere model for Ori E - I. Observations and data analysis... Monthly Notices of the Royal Astronomical Society, 2012, 419, 959-970.	4.4	64

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91	A multisite photometric study of two unusual $\hat{\iota}^2$ Cep stars: the magnetic V2052 Oph and the massive rapid rotator V986 Oph. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2380-2391.	4.4	23
92	Detecting and modelling the magnetic field of the $\hat{\iota}^2$ Cephei star V2052 Ophiuchi. Astronomy and Astrophysics, 2012, 537, A148.	5.1	29
93	Surprising variations in the rotation of the chemically peculiar stars CU Virginis and V901 Orionis. Astronomy and Astrophysics, 2011, 534, L5.	5.1	38
94	First HARPSpol discoveries of magnetic fields in massive stars. Astronomy and Astrophysics, 2011, 536, L6.	5.1	26
95	Kepler observations of the variability in B-type stars. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2403-2420.	4.4	115
96	The B0.5IVe CoRoT target HD49330. Astronomy and Astrophysics, 2009, 506, 95-101.	5.1	75
97	Low-amplitude variations detected by CoRoT in the B8IIIe star HD175869. Astronomy and Astrophysics, 2009, 506, 133-141.	5.1	29
98	The B0.5 IVe CoRoT target HD 49330. Astronomy and Astrophysics, 2009, 506, 103-110.	5.1	10
99	The pulsations of the B5IVe star HD 181231 observed with CoRoT and ground-based spectroscopy. Astronomy and Astrophysics, 2009, 506, 143-151.	5.1	33
100	On the incidence of magnetic fields in slowly pulsating B, $\hat{\iota}^2$ Cephei and B-type emission-line stars. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1505-1511.	4.4	65
101	Testing magnetically confined wind shock models for $\hat{\iota}^2$ Cephei using XMM-Newton and Chandra phase-resolved X-ray observations. Astronomy and Astrophysics, 2009, 495, 217-229.	5.1	26
102	Magnetic field measurements and wind-line variability of OB-type stars. Astronomy and Astrophysics, 2008, 483, 857-867.	5.1	38
103	Discovery of a magnetic field in the Slowly Pulsating B star $\hat{\iota}^1$ Cassiopeiae. Astronomy and Astrophysics, 2003, 406, 1019-1031.	5.1	75
104	Rotation, pulsations and magnetic field in V 2052 Ophiuchi: A new He-strong star. Astronomy and Astrophysics, 2003, 411, 565-579.	5.1	56
105	A Magnetic Snapshot Survey of F-Type Stars. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	7