

Coralie Neiner

List of Publications by Year in descending order

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105
papers

3,478
citations

117625

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105
all docs

105
docs citations

105
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	The MiMeS survey of magnetism in massive stars: introduction and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2-22.	4.4	174
2	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
3	Kepler observations of the variability in B-type stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 2403-2420.	4.4	115
4	The MiMeS survey of magnetism in massive stars: CNO surface abundances of Galactic O stars. <i>Astronomy and Astrophysics</i> , 2015, 575, A34.	5.1	91
5	Discovery of a magnetic field in the Slowly Pulsating B star γ Cassiopeiae. <i>Astronomy and Astrophysics</i> , 2003, 406, 1019-1031.	5.1	75
6	The B0.5IVe CoRoT target HD 49330. <i>Astronomy and Astrophysics</i> , 2009, 506, 95-101.	5.1	75
7	Magnetic field topology of the unique chemically peculiar star CU Virginis. <i>Astronomy and Astrophysics</i> , 2014, 565, A83.	5.1	73
8	NGC 1624-2: a slowly rotating, X-ray luminous Of?p star with an extraordinarily strong magnetic field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 1278-1293.	4.4	68
9	Forward seismic modeling of the pulsating magnetic B-type star HD 43317. <i>Astronomy and Astrophysics</i> , 2018, 616, A148.	5.1	66
10	On the incidence of magnetic fields in slowly pulsating B, δ Cephei and B-type emission-line stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1505-1511.	4.4	65
11	The magnetic early B-type stars ϵ III. A main-sequence magnetic, rotational, and magnetospheric biography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 274-295.	4.4	65
12	Multisite spectroscopic seismic study of the δ Cep star V2052 Ophiuchi: inhibition of mixing by its magnetic field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 483-493.	4.4	64
13	Revisiting the Rigidly Rotating Magnetosphere model for Ori E - I. Observations and data analysis... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 959-970.	4.4	64
14	The <i>BRITE</i> Constellation Nanosatellite Mission: Testing, Commissioning, and Operations. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 125001.	3.1	64
15	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
16	A volume-limited survey of mCP stars within 100 pc II: rotational and magnetic properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 3127-3145.	4.4	63
17	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. <i>Astrophysical Journal Letters</i> , 2019, 872, L9.	8.3	61
18	Rotation, pulsations and magnetic field in V 2052 Ophiuchi: A new He-strong star. <i>Astronomy and Astrophysics</i> , 2003, 411, 565-579.	5.1	56

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19	Discovery of a magnetic field in the rapidly rotating O-type secondary of the colliding-wind binary HD 47129 (Plaskett's star). <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1686-1695.	4.4	55
20	A volume-limited survey of mCP stars within 100 pc. I. Fundamental parameters and chemical abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2300-2324.	4.4	55
21	Stochastic gravito-inertial modes discovered by CoRoT in the hot Be star HD 51452. <i>Astronomy and Astrophysics</i> , 2012, 546, A47.	5.1	54
22	Detection of ultra-weak magnetic fields in Am stars: κ^2 Ursae Majoris and κ^1 Leonis. <i>Astronomy and Astrophysics</i> , 2016, 586, A97.	5.1	49
23	Impact of rotation on stochastic excitation of gravity and gravito-inertial waves in stars. <i>Astronomy and Astrophysics</i> , 2014, 565, A47.	5.1	46
24	Investigating the spectroscopic, magnetic and circumstellar variability of the O9 subgiant star HD 57682. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2208-2227.	4.4	44
25	The magnetic early B-type stars. IV. Breakout or leakage? $H\alpha$ emission as a diagnostic of plasma transport in centrifugal magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5379-5395.	4.4	44
26	Magnetic field topologies of the bright, weak-field Ap stars κ^1 Aurigae and κ^1 Ursae Majoris. <i>Astronomy and Astrophysics</i> , 2019, 621, A47.	5.1	43
27	MOBSTER. II. Identification of rotationally variable A stars observed with TESS in sectors 1-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4695-4710.	4.4	41
28	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
29	The most massive heartbeat: an in-depth analysis of κ^1 Orionis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 2494-2503.	4.4	40
30	BRITe Constellation: data processing and photometry. <i>Astronomy and Astrophysics</i> , 2017, 605, A26.	5.1	40
31	Magnetic OB[A] Stars with TESS: probing their Evolutionary and Rotational properties (MOBSTER). I. First-light observations of known magnetic B and A stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 304-317.	4.4	40
32	κ^1 MOST OBSERVATIONS OF κ^1 Ori E: CHALLENGING THE CENTRIFUGAL BREAKOUT NARRATIVE. <i>Astrophysical Journal</i> , 2013, 769, 33.	4.5	39
33	Magnetic field measurements and wind-line variability of OB-type stars. <i>Astronomy and Astrophysics</i> , 2008, 483, 857-867.	5.1	38
34	Surprising variations in the rotation of the chemically peculiar stars CU Virginis and V901 Orionis. <i>Astronomy and Astrophysics</i> , 2011, 534, L5.	5.1	38
35	Period spacings of gravity modes in rapidly rotating magnetic stars. <i>Astronomy and Astrophysics</i> , 2019, 627, A64.	5.1	37
36	κ^1 Kepler's first view of O-star variability: κ^1 data of five O stars in Campaign 0 as a proof of concept for O-star asteroseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 89-100.	4.4	36

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37	The pulsations of the B5IVe star HD 181231 observed with CoRoT and ground-based spectroscopy. <i>Astronomy and Astrophysics</i> , 2009, 506, 143-151.	5.1	33
38	Discovery of new magnetic early-B stars within the MiMeS HARPSpol survey. <i>Astronomy and Astrophysics</i> , 2014, 567, A28.	5.1	33
39	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
40	CRITICAL EVALUATION OF MAGNETIC FIELD DETECTIONS REPORTED FOR PULSATING B-TYPE STARS IN LIGHT OF ESPaDO nS, NARVAL, AND REANALYZED FORS1/2 OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 750, 2.	4.5	32
41	The magnetic early B-type Stars II: stellar atmospheric parameters in the era of <i>Gaia</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1508-1527.	4.4	31
42	Discovery of a very weak magnetic field on the Am star Alhena. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 459, L81-L84.	3.3	30
43	Detecting axisymmetric magnetic fields using gravity modes in intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2020, 638, A149.	5.1	30
44	Low-amplitude variations detected by CoRoT in the B8IIIe star HD 175869. <i>Astronomy and Astrophysics</i> , 2009, 506, 133-141.	5.1	29
45	Period spacings of gravity modes in rapidly rotating magnetic stars. <i>Astronomy and Astrophysics</i> , 2020, 636, A100.	5.1	29
46	Detecting and modelling the magnetic field of the $\hat{\iota}^2$ Cephei star V 2052 Ophiuchi. <i>Astronomy and Astrophysics</i> , 2012, 537, A148.	5.1	29
47	Discovery of a magnetic field in the CoRoT hybrid B-type pulsator HD 43317. <i>Astronomy and Astrophysics</i> , 2013, 557, L16.	5.1	28
48	Discovery of the magnetic field in the pulsating B star $\hat{\iota}^2$ Cephei. <i>Astronomy and Astrophysics</i> , 2013, 555, A46.	5.1	27
49	The MiMeS survey of magnetism in massive stars: magnetic properties of the O-type star population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5669-5687.	4.4	27
50	First HARPSpol discoveries of magnetic fields in massive stars. <i>Astronomy and Astrophysics</i> , 2011, 536, L6.	5.1	26
51	Magnetic signatures on mixed-mode frequencies. <i>Astronomy and Astrophysics</i> , 2021, 650, A53.	5.1	26
52	Testing magnetically confined wind shock models for $\hat{\iota}^2$ Cephei using XMM-Newton and Chandra phase-resolved X-ray observations. <i>Astronomy and Astrophysics</i> , 2009, 495, 217-229.	5.1	26
53	Seismic modelling of the late Be stars HD 181231 and HD 175869 observed with CoRoT: a laboratory for mixing processes. <i>Astronomy and Astrophysics</i> , 2012, 539, A90.	5.1	25
54	HD 96446: a puzzle for current models of magnetospheres?. <i>Astronomy and Astrophysics</i> , 2012, 546, A44.	5.1	25

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55	The magnetic field of the double-lined spectroscopic binary system HD 5550. <i>Astronomy and Astrophysics</i> , 2016, 589, A47.	5.1	25
56	Angular momentum transport by stochastically excited oscillations in rapidly rotating massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1515-1522.	4.4	24
57	First discovery of a magnetic field in a main-sequence $\hat{\text{A}}$ star: the Kepler star HD 188774. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 454, L86-L90.	3.3	24
58	The magnetic field of $\hat{\text{r}}$ Orionis A. <i>Astronomy and Astrophysics</i> , 2015, 582, A110.	5.1	24
59	A multisite photometric study of two unusual $\hat{\text{2}}$ Cep stars: the magnetic V2052 Oph and the massive rapid rotator V986 Oph. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 2380-2391.	4.4	23
60	The origin of magnetic fields in hot stars. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 61-66.	0.0	23
61	TESS 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
62	Confirming HD 23478 as a new magnetic B star hosting an H $\hat{\text{1}}$ -bright centrifugal magnetosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1928-1938.	4.4	22
63	The pulsating magnetosphere of the extremely slowly rotating magnetic $\hat{\text{2}}$ Cep star $\hat{\text{3}}$ 1 CMa. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2286-2310.	4.4	22
64	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
65	Revisiting the pulsational characteristics of the exoplanet host star $\hat{\text{2}}$ Pictoris. <i>Astronomy and Astrophysics</i> , 2019, 627, A28.	5.1	22
66	The dramatic change of the fossil magnetic field of HD 190073: evidence of the birth of the convective core in a Herbig star?. <i>Astronomy and Astrophysics</i> , 2013, 549, L8.	5.1	21
67	Transport of angular momentum by stochastically excited waves as an explanation for the outburst of the rapidly rotating Be star HD 49330. <i>Astronomy and Astrophysics</i> , 2020, 644, A9.	5.1	21
68	$\hat{\text{u}}$ Lupi: measuring the heartbeat of a doubly magnetic massive binary with BRITE Constellation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 64-77.	4.4	20
69	HD 35502: a hierarchical triple system with a magnetic B5IVpe primary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 1811-1828.	4.4	19
70	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
71	Magnetic field topology of the cool, active, short-period binary system $\hat{\text{f}}$ Coronae Borealis. <i>Astronomy and Astrophysics</i> , 2018, 613, A60.	5.1	19
72	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

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73	HD 41641: A classical γ -Sct-type pulsator with chemical signatures of an Ap star. <i>Astronomy and Astrophysics</i> , 2016, 588, A71.	5.1	18
74	Magnetic characterization of the SPB/ γ -Cep hybrid pulsator HD 43317. <i>Astronomy and Astrophysics</i> , 2017, 605, A104.	5.1	18
75	Studying the photometric and spectroscopic variability of the magnetic hot supergiant γ -Orionis Aa. <i>Astronomy and Astrophysics</i> , 2017, 602, A91.	5.1	18
76	The BinaMICS project: understanding the origin of magnetic fields in massive stars through close binary systems. <i>Proceedings of the International Astronomical Union</i> , 2014, 9, 330-335.	0.0	17
77	Search for magnetic fields in particle-accelerating colliding-wind binaries. <i>Astronomy and Astrophysics</i> , 2015, 575, A66.	5.1	17
78	Discovery of a magnetic field in the γ -Scuti F2m star γ -Pup. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 468, L46-L49.	3.3	17
79	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
80	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
81	Discovery of Eight α -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
82	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
83	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
84	An infrared diagnostic for magnetism in hot stars. <i>Astronomy and Astrophysics</i> , 2015, 578, A112.	5.1	12
85	γ -And: a post-main-sequence wind from a solar-mass star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3438-3453.	4.4	12
86	γ -Cas: The first γ -Scuti star with a dynamo magnetic field. <i>Astronomy and Astrophysics</i> , 2020, 643, A110.	5.1	11
87	The B0.5 IVe CoRoT target HD 49330. <i>Astronomy and Astrophysics</i> , 2009, 506, 103-110.	5.1	10
88	An observational evaluation of magnetic confinement in the winds of BA supergiants.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 1114-1126.	4.4	9
89	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
90	The Polstar High Resolution Spectropolarimetry MIDEX Mission. , 2021, , .		9

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91	Space Photometry with Brite-Constellation. <i>Universe</i> , 2021, 7, 199.	2.5	8
92	Spectroscopic Detection of the Pre-White Dwarf Companion of Regulus. <i>Astrophysical Journal</i> , 2020, 902, 25.	4.5	8
93	Extensive study of HD 25558, a long-period double-lined binary with two SPB components. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 3535-3556.	4.4	7
94	Magnetic fields in early-type stars. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 53-60.	0.0	7
95	Weak magnetic field, solid-envelope rotation, and wave-induced N-enrichment in the SPB star ϵ Cassiopeiae. <i>Astronomy and Astrophysics</i> , 2016, 587, A126.	5.1	7
96	A Magnetic Snapshot Survey of F-Type Stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	7
97	The complex fossil magnetic field of the δ Scuti star HD 41641. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1992-1999.	4.4	7
98	MOBSTER ϵ 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
99	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
100	Magnetic characterization and variability study of the magnetic SPB star ν Lupi. <i>Astronomy and Astrophysics</i> , 2019, 622, A67.	5.1	5
101	Magnetic field topology, chemical spot distributions, and photometric variability of the Ap star γ Draconis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5821-5833.	4.4	4
102	The magnetic fields and stellar winds of the mature late F-stars: δ^2 Virginis and γ Draconis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5117-5141.	4.4	4
103	The magnetic fields of δ^2 Coronae Borealis and the early F-star γ Bootis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4278-4294.	4.4	3
104	Roadmap on the theoretical work of BinaMICS. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 311-312.	0.0	2
105	The NAROO digitization center. <i>Astronomy and Astrophysics</i> , 2021, 652, A3.	5.1	2