Alexander F Kholtygin

List of Publications by Year
in descending order

79	509	759233 12	839539 18
papers	citations	h-index	g-index

80	80	80	341
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploring the origin of magnetic fields in massive stars: a survey of O-type stars in clusters and in the field. Astronomy and Astrophysics, 2011, 528, A151.	5.1	57
2	Exploring the origin of magnetic fields in massive stars. Astronomy and Astrophysics, 2013, 551, A33.	5.1	34
3	Search for signatures of reflected light from the exoplanet HD 189733b by the method of residual dynamical spectra. Astrophysical Bulletin, 2015, 70, 466-473.	1.3	29
4	Short time-scale spectral variability in the A0 supergiant HDÂ92207 and the importance of line profile variations for the interpretation of FORSÂ2 spectropolarimetric observationsâ˜…. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1779-1785.	4.4	28
5	Spectroscopic observations of the exoplanet WASP-32b transit. Astrophysical Bulletin, 2017, 72, 67-72.	1.3	28
6	He, C, N, and O abundances in an ensemble of galactic planetary nebulae. Astronomy Letters, 2009, 35, 518-533.	1.0	22
7	Fast line-profile variability in the spectra of O stars. Astronomy Letters, 2003, 29, 175-187.	1.0	18
8	Statistics of magnetic fields for OB stars. Astronomy Letters, 2010, 36, 370-379.	1.0	17
9	Microvariability of line profiles in the spectra of OB stars: Î´Ori A. Astronomy Reports, 2006, 50, 887-901.	0.9	16
10	Optically thick clumps â€“ not the solution to the Wolf-Rayet wind momentum problem?. Astronomy and Astrophysics, 2004, 426, 323-328.	5.1	14
11	The B Fields in OB Stars (BOB) Survey. Proceedings of the International Astronomical Union, 2014, 9, 342-347.	0.0	14
12	New multiwavelength observations of the Of?p star CPD -28Â 2561. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1885-1894.	4.4	14
13	Search for and study of photometric variability in magnetic white dwarfs. Astrophysical Bulletin, 2017, 72, 44-50.	1.3	13
14	The effect of rotational gravity darkening on magnetically torqued Be star discs. Monthly Notices of the Royal Astronomical Society, 2004, 352, 1061-1072.	4.4	12
15	Testing the fossil field hypothesis: could strongly magnetized OB stars produce all known magnetars?. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5813-5828.	4.4	12
16	Modeling of rapid variability in the spectral line profiles of Wolf-Rayet stars. Astronomy Reports, 2001, 45, 287-293.	0.9	10
17	Rotationally modulated variability and pulsations of the He-rich star CPDâ€‰â€™62Â°2124 with an extraordinarily strong magnetic field. Monthly Notices of the Royal Astronomical Society, 2017, 472, 400-408.	4.4	10
18	Magnetic field detection in the bright A0-type supergiant HDâ€‰92207. Astronomy and Astrophysics, 2012, 546, L6.	5.1	10

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19	Rapid spectral variability of É› PerA. Astrophysical Bulletin, 2013, 68, 184-195.	1.3	9
20	Super-Fast Line-Profile Variability in the Spectra of OBA-Stars: B1-Star Ï•Leo. Astrophysical Bulletin, 2018, 73, 471-477.	1.3	9
21	A short and sudden increase of the magnetic field strength and the accompanying spectral variability in the O9.7â€‰V star HDâ€‰54879. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4495-4506.	4.4	9
22	Magnetic field geometry and chemical abundance distribution of the He-strong star CPDÂâ˜57Â°3509. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1543-1552.	4.4	8
23	Line profile variability and magnetic fields of Wolfâ€Rayet stars: WR 135 and WR 136. Astronomische Nachrichten, 2011, 332, 1008-1011.	1.2	7
24	Microvariability of line profiles in the spectra of OB stars: III. The supergiant Ï•LEO. Astronomy Reports, 2007, 51, 920-931.	0.9	6
25	Magnetic field evolution in OBA stars. Kinematics and Physics of Celestial Bodies, 2010, 26, 181-191.	0.6	6
26	Line-profile microvariability in OB-star spectra: the Supergiant Î» Cep (O6If(n)). Astronomy Reports, 2011, 55, 1105-1114.	0.9	6
27	Statistics of magnetic fields and fluxes of massive OB stars and the origin of neutron star magnetic fields. Astronomische Nachrichten, 2011, 332, 1012-1021.	1.2	6
28	Analysis of the X-ray emission of OB stars: O stars. Research in Astronomy and Astrophysics, 2018, 18, 104.	1.7	6
29	Microvariability of line profiles in the spectrum of the star Î¹ Her. Astronomy Reports, 2006, 50, 220-231.	0.9	5
30	Line profile variability of OB stars: Pulsation, rotation, clumps and magnetic fields. Astronomische Nachrichten, 2007, 328, 1170-1172.	1.2	5
31	Physical Parameters and Chemical Composition of a Group of Mild Barium Stars. Astrophysics, 2013, 56, 57-67.	0.5	5
32	THE FIRST SPECTROPOLARIMETRIC MONITORING OF THE PECULIAR O4 Ief SUPERGIANT Î¶ PUPPIS. Astrophysical Journal, 2016, 822, 104.	4.5	5
33	Searching for the presence of a weak magnetic field in the Be star Î» Eri using FORS 2 spectropolarimetric time series. Astronomische Nachrichten, 2017, 338, 926-937.	1.2	5
34	Evolution of Magnetic Fields of Herbig Ae/Be Stars. Astrophysical Bulletin, 2019, 74, 293-299.	1.3	5
35	Superfast Line Profile Variations in the Spectra of OBA Stars. III. A0 Star Î±2 Cvn, New Results. Astrophysical Bulletin, 2020, 75, 284-293.	1.3	5
36	Statistics of magnetic field measurements in <scp>OBA</scp> stars and the evolution of their magnetic fields. Astronomische Nachrichten, 2017, 338, 910-918.	1.2	4

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37	Analysis of the X-ray emission of OB stars II: B stars. Research in Astronomy and Astrophysics, 2019, 19, 120.	1.7	4
38	Contribution of a Non-Thermal Component to the X-Ray Emission of OB Stars. Astrophysical Bulletin, 2020, 75, 127-138.	1.3	3
39	Super-Fast Line-Profile Variability in the Spectra of OBA Stars. II. A0 Star Î±2 CVn. Astrophysical Bulletin, 2020, 75, 278-283.	1.3	3
40	Superfast Line Profile Variability in the Spectra of $$oldsymbol{ho}$$ Leo: New Results. Astronomy Letters, 2020, 46, 168-176.	1.0	3
41	Interconfiguration transitions of C III, N IV, O V in the spectra of Wolf-Rayet stars. Astrofizika, 1980, 16, 77-82.	0.0	2
42	Ionization structure of the atmospheres and line profiles in the spectra of Wolf-Rayet stars. Astrophysics, 1999, 42, 280-299.	0.5	2
43	Ionization and Cooling of a Hot Plasma with Temperature Fluctuations. Astrophysics, 2002, 45, 32-45.	0.5	2
44	Stochastic data in astronomy. II. Search for harmonic components of time series with very large gaps. Astrophysics, 2007, 50, 225-238.	0.5	2
45	CP and related phenomena in the context of Stellar Evolution. Proceedings of the International Astronomical Union, 2009, 5, 161-171.	0.0	2
46	The nature of the Galactic bulge: A view from bulge planetary nebulae and globular clusters. Proceedings of the International Astronomical Union, 2011, 7, 408-409.	0.0	2
47	Microvariability of spectral line profiles and magnetic fields of early-type stars: Î¶ Ori A. Astrophysical Bulletin, 2012, 67, 67-72.	1.3	2
48	Is the Pollock's paradigm of Xâ€ray emission for O stars correct?. Astronomische Nachrichten, 2017, 338, 959-962.	1.2	2
49	Detection of a centrifugal magnetosphere in one of the most massive stars in the Ï•Oph starâ€forming cloud. Astronomische Nachrichten, 2018, 339, 72-77.	1.2	2
50	Analysis of the X-ray emission from OB stars III: low-resolution spectra of OB stars. Research in Astronomy and Astrophysics, 2020, 20, 108.	1.7	2
51	Lines of carbon, nitrogen, and oxygen ions in the spectra of planetary nebulas. I. Transition probabilities and oscillator strengths. Astrophysics, 1985, 22, 326-334.	0.5	1
52	Evolution of elemental abundances in planetary nebulae. Astronomy Letters, 2006, 32, 557-565.	1.0	1
53	Plasma diagnostics of planetary nebulae. Astrophysics, 2008, 51, 294-312.	0.5	1
54	Magnetic fluxes of massive stars: statistics and evolution. Proceedings of the International Astronomical Union, 2010, 6, 198-199.	0.0	1

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55	Smoothed Temporal Variance Spectrum: weak line profile variations and NRP diagnostics. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1604-1617.	4.4	1
56	Accretion and Magnetic Fields of Herbig Ae/Be Stars. Astrophysics, 2021, 64, 54-60.	0.5	1
57	A possible nonthermal X-ray emission from Î³ Cas analogues stars. Open Astronomy, 2021, 30, 132-143.	0.6	1
58	Carbon abundance in planetary nebulas. Astrofizika, 1984, 20, 272-277.	0.0	0
59	Lines of carbon, nitrogen, and oxygen ions in the spectra of planetary nebulas. II. Intensities of the C II and N III recombination lines and abundances of the C III and N IV ions. Astrofizika, 1986, 23, 616-621.	0.0	0
60	Spectral manifestations of the stellar wind of the central star of a planetary nebula. Astrophysics, 1989, 30, 90-93.	0.5	0
61	Modelling of line-profile variability in WC stars. Symposium - International Astronomical Union, 1999, 193, 258-259.	0.1	0
62	Chemical Evolution of the System of Galactic Planetary Nebulae. Astrophysics, 2002, 45, 370-379.	0.5	0
63	Stochastic data in astronomy: Fourier analysis of highly nonuniform time series. Astrophysics, 2005, 48, 68-78.	0.5	0
64	Pushing the limit of instrument capabilities. Proceedings of the International Astronomical Union, 2009, 5, 142-150.	0.0	0
65	Evolution of abundance gradients for galactic plane PNe. Proceedings of the International Astronomical Union, 2009, 5, 792-792.	0.0	0
66	Planetary nebulae and star formation history in the Galactic disk and bulge. Proceedings of the International Astronomical Union, 2009, 5, 313-316.	0.0	0
67	Line Profile microvariability and wind structure for OB stars. Proceedings of the International Astronomical Union, 2010, 6, 200-201.	0.0	0
68	New kinematic distance scale for the Galactic planetary nebulae. Proceedings of the International Astronomical Union, 2011, 7, 406-407.	0.0	0
69	Circular polarization observations and magnetic fields of O stars. , 2012, , .		0
70	Very young neutron stars and millisecond pulsars: the role of the accretion. Proceedings of the International Astronomical Union, 2012, 8, 231-232.	0.0	0
71	Neutron stars: history of the magnetic field decay. Proceedings of the International Astronomical Union, 2012, 8, 408-410.	0.0	0
72	Population synthesis of young neutron stars. Proceedings of the International Astronomical Union, 2012, 8, 411-413.	0.0	0

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73	Analysis of the Chemical Composition of the Atmospheres of Stars with Debris Disks and Planetary Systems. Astrophysics, 2013, 56, 461-471.	0.5	0
74	Magnetic fields of OB stars. Proceedings of the International Astronomical Union, 2013, 9, 270-271.	0.0	0
75	Modified methods of stellar magnetic field measurements. Astronomische Nachrichten, 2014, 335, 1049-1059.	1.2	0
76	Line profile variability in spectra of hot massive stars. Proceedings of the International Astronomical Union, 2014, 9, 113-114.	0.0	0
77	New spectroscopic and polarimetric observations of the A0 supergiant HD 92207. Astronomische Nachrichten, 2015, 336, 168-177.	1.2	0
78	Non-stationary processes in the atmospheres of early-type stars:influence on the forbidden-to-intercombination line intensity ratio. Astronomy Reports, 2015, 59, 709-716.	0.9	0
79	The spatial structure of the Galaxy subsystems as it looks from an analysis of the system of galactic planetary nebulae. Journal of Physics: Conference Series, 2018, 1038, 012016.	0.4	0