Asif ud-Doula

List of Publications by Year
in descending order

59	2,980	236925 25	175258 52
papers	citations	h-index	g-index

63	63	63	1478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modelling magnetically channeled winds in 3D â€“ I. Isothermal simulations of a magnetic O supergiant. Monthly Notices of the Royal Astronomical Society, 2022, 515, 237-255.	4.4	4
2	How the breakout-limited mass in B-star centrifugal magnetospheres controls their circumstellar Hâ€‰Î± emission. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5366-5378.	4.4	28
3	3D MHD simulations and synthetic radio emission from an oblique rotating magnetic massive star. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3251-3268.	4.4	8
4	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
5	Extreme resonance line profile variations in the ultraviolet spectra of NGC 1624-2: probing the giant magnetosphere of the most strongly magnetized known O-type star. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2814-2824.	4.4	18
6	Disruption of circumstellar discs by large-scale stellar magnetic fields. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3049-3055.	4.4	15
7	Co-existence and switching between fast and Î©-slow wind solutions in rapidly rotating massive stars. Monthly Notices of the Royal Astronomical Society, 2018, 477, 755-765.	4.4	4
8	High-entropy ejections from magnetized proto-neutron star winds: implications for heavy element nucleosynthesis. Monthly Notices of the Royal Astronomical Society, 2018, 476, 5502-5515.	4.4	24
9	Magnetic massive stars as progenitors of â€˜heavyâ€™ stellar-mass black holes. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1052-1060.	4.4	72
10	Magnetic fields in massive stars and magnetically confined winds. Astronomische Nachrichten, 2017, 338, 944-951.	1.2	4
11	A JVLA survey of the high-frequency radio emission of the massive magnetic B- and O-type stars. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2160-2169.	4.4	15
12	CHANDRA VIEW OF MAGNETICALLY CONFINED WIND IN HD 191612: THEORY VERSUS OBSERVATIONS. Astrophysical Journal, 2016, 831, 138.	4.5	9
13	High surface magnetic field in red giants as a new signature of planet engulfment?. Astronomy and Astrophysics, 2016, 593, L15.	5.1	29
14	Destruction of Be star disk by large scale magnetic fields. Proceedings of the International Astronomical Union, 2016, 12, 453-453.	0.0	0
15	An â€˜analytic dynamical magnetosphereâ€™ formalism for X-ray and optical emission from slowly rotating magnetic massive stars. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3830-3844.	4.4	44
16	Magnetically confined wind shocks in X-rays â€“ A review. Advances in Space Research, 2016, 58, 680-693.	2.6	22
17	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
18	Detection of 610-MHz radio emission from hot magnetic stars. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1245-1253.	4.4	25

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19	The changing UV and X-ray properties of the Of?p star CPDÂâ˜28Â°2561. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2641-2653.	4.4	15
20	X-ray emission from the giant magnetosphere of the magnetic O-type star NGC 1624-2. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3288-3299.	4.4	18
21	Rotation, spectral variability, magnetic geometry and magnetosphere of the Of?p star CPD â˜28Â° 2561â˜.... Monthly Notices of the Royal Astronomical Society, 2015, 447, 2551-2567.	4.4	32
22	Confirming HD 23478 as a new magnetic B star hosting an HÎ±-bright centrifugal magnetosphere. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1928-1938.	4.4	22
23	Suppression of X-rays from radiative shocks by their thin-shell instability. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3557-3567.	4.4	27
24	X-rays from magnetically confined wind shocks: effect of cooling-regulated shock retreat. Monthly Notices of the Royal Astronomical Society, 2014, 441, 3600-3614.	4.4	60
25	Investigating the origin of cyclical wind variability in hot, massive stars â€“ I. On the dipolar magnetic field hypothesisâ˜.... Monthly Notices of the Royal Astronomical Society, 2014, 444, 429-442.	4.4	20
26	X-RAY EMISSION FROM MAGNETIC MASSIVE STARS. Astrophysical Journal, Supplement Series, 2014, 215, 10.	7.7	87
27	Building galaxies, stars, planets and the ingredients for life between the stars. The science behind the European Ultraviolet-Visible Observatory. Astrophysics and Space Science, 2014, 354, 229-246.	1.4	7
28	Magnetic Field - Stellar Winds Interaction. Proceedings of the International Astronomical Union, 2014, 9, 321-329.	0.0	0
29	The X-ray properties of magnetic massive stars. Proceedings of the International Astronomical Union, 2014, 9, 437-442.	0.0	0
30	Stellar Models: What is the future direction?. Proceedings of the International Astronomical Union, 2014, 9, 501-504.	0.0	0
31	Phase-resolved ultraviolet spectroscopy of the magnetic Of?p star HDÂ191612. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2253-2260.	4.4	26
32	A magnetic confinement versus rotation classification of massive-star magnetospheres. Monthly Notices of the Royal Astronomical Society, 2013, 429, 398-422.	4.4	208
33	First 3DMHD simulation of a massive-star magnetosphere with application to HÂ emission from Â1 Ori C. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2723-2730.	4.4	56
34	Investigating the origin of cyclical spectral variations in hot, massive stars. Proceedings of the International Astronomical Union, 2013, 9, 334-337.	0.0	0
35	Stellar Winds, Magnetic Fields and Disks. Lecture Notes in Physics, 2013, , 207-230.	0.7	2
36	3D simulation of the wind of the magnetic massive star Î¸1 Ori C. , 2012, , .		0

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37	Investigating the spectroscopic, magnetic and circumstellar variability of the O9 subgiant star HDâ€‰57682. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2208-2227.	4.4	44
38	An investigation of the magnetic properties of the classical Be star Ï‰ Ori by the MiMeS Collaboration. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2738-2750.	4.4	13
39	A dynamical magnetosphere model for periodic HÎ± emission from the slowly rotating magnetic O star HD 191612. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 423, L21-L25.	3.3	68
40	Confirmation of the magnetic oblique rotator model for the Of?p star HDâ€ƒ191612â˜…. Monthly Notices of the Royal Astronomical Society, 2011, 416, 3160-3169.	4.4	58
41	AN INTRODUCTION TO THE CHANDRA CARINA COMPLEX PROJECT. Astrophysical Journal, Supplement Series, 2011, 194, 1.	7.7	117
42	The latest developments on Of?p stars. Proceedings of the International Astronomical Union, 2010, 6, 626-627.	0.0	0
43	Magnetic fields, winds and X-rays of massive stars in the Orion nebula cluster. Proceedings of the International Astronomical Union, 2010, 6, 208-209.	0.0	2
44	The surprising X-ray emission of Oe stars. Proceedings of the International Astronomical Union, 2010, 6, 624-625.	0.0	1
45	A MULTIPHASESUZAKUSTUDY OF X-RAYS FROM Ï„ Sco. Astrophysical Journal, 2010, 721, 1412-1420.	4.5	18
46	Dynamical simulations of magnetically channelled line-driven stellar winds - III. Angular momentum loss and rotational spin-down. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1022-1033.	4.4	199
47	Angular momentum loss and stellar spin-down in magnetic massive stars. Proceedings of the International Astronomical Union, 2008, 4, 423-424.	0.0	0
48	Modeling the magnetospheres of luminous stars: Interactions between supersonic radiation-driven winds and stellar magnetic fields. Physics of Plasmas, 2007, 14, 056502.	1.9	2
49	Magnetic Massive Stars. Proceedings of the International Astronomical Union, 2007, 3, 577-586.	0.0	1
50	A Rigid-Field Hydrodynamics approach to modelling the magnetospheres of massive stars. Monthly Notices of the Royal Astronomical Society, 2007, 382, 139-157.	4.4	69
51	Centrifugal Breakout of Magnetically Confined Line-driven Stellar Winds. Astrophysical Journal, 2006, 640, L191-L194.	4.5	72
52	Simulating Radiating and Magnetized Flows in Multiple Dimensions with ZEUSâ€MP. Astrophysical Journal, Supplement Series, 2006, 165, 188-228.	7.7	268
53	ChandraHETGS Multiphase Spectroscopy of the Young Magnetic O StarÎ¸1Orionis C. Astrophysical Journal, 2005, 628, 986-1005.	4.5	181
54	The Effect of Magnetic Field Tilt and Divergence on the Mass Flux and Flow Speed in a Lineâ€driven Stellar Wind. Astrophysical Journal, 2004, 600, 1004-1015.	4.5	58

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55	X-ray emission line profile modeling of hot stars. Review of Scientific Instruments, 2003, 74, 1966-1968.	1.3	3
56	Dynamical Simulations of Magnetically Channeled Lineâ€driven Stellar Winds. I. Isothermal, Nonrotating, Radially Driven Flow. Astrophysical Journal, 2002, 576, 413-428.	4.5	376
57	Backbone Dipoles Generate Positive Potentials in all Proteins: Origins and Implications of the Effect. Biophysical Journal, 2000, 78, 1126-1144.	0.5	82
58	Dynamical simulations of magnetically channelled line-driven stellar winds - II. The effects of field-aligned rotation. Monthly Notices of the Royal Astronomical Society, 0, 385, 97-108.	4.4	196
59	Closing gaps to our origins. Experimental Astronomy, 0, , 1.	3.7	0