

Omer Blaes

List of Publications by Year in descending order

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27
papers

955
citations

471061

17
h-index

676716

22
g-index

27
all docs

27
docs citations

27
times ranked

1036
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative relativistic magnetohydrodynamic simulations of neutron star column accretion in Cartesian geometry. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4371-4390.	1.6	7
2	Magnetically modified spherical accretion in GRMHD: reconnection-driven convection and jet propagation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 6076-6095.	1.6	21
3	Investigating lack of accretion disc eccentricity growth in a global 3D MHD simulation of a superhump system. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1-17.	1.6	6
4	A characteristic optical variability time scale in astrophysical accretion disks. Science, 2021, 373, 789-792.	6.0	55
5	Radiative MHD simulations of photon bubbles in radiation-supported magnetized atmospheres of neutron stars with isotropic Thomson scattering. Monthly Notices of the Royal Astronomical Society, 2021, 508, 617-636.	1.6	5
6	The Effects of Tilt on the Images of Black Hole Accretion Flows. Astrophysical Journal, 2020, 894, 14.	1.6	20
7	The Comptonizing medium of the neutron star in 4U 1636-53 through its lower kilohertz quasi-periodic oscillations. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1399-1415.	1.6	57
8	Opacity-driven Convection and Variability in Accretion Disks around Supermassive Black Holes. Astrophysical Journal, 2020, 900, 25.	1.6	26
9	Periodicities in the K^2 light curve of HP Librae. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1222-1230.	1.6	2
10	Tilted Disks around Black Holes: A Numerical Parameter Survey for Spin and Inclination Angle. Astrophysical Journal, 2019, 878, 51.	1.6	25
11	Outbursts of luminous blue variable stars from variations in the helium opacity. Nature, 2018, 561, 498-501.	13.7	62
12	General Overview of Black Hole Accretion Theory. Space Science Reviews, 2014, 183, 21-41.	3.7	39
13	CONVECTION CAUSES ENHANCED MAGNETIC TURBULENCE IN ACCRETION DISKS IN OUTBURST. Astrophysical Journal, 2014, 787, 1.	1.6	78
14	DISSIPATION AND VERTICAL ENERGY TRANSPORT IN RADIATION-DOMINATED ACCRETION DISKS. Astrophysical Journal, 2011, 733, 110.	1.6	66
15	TURBULENT STRESSES IN LOCAL SIMULATIONS OF RADIATION-DOMINATED ACCRETION DISKS, AND THE POSSIBILITY OF THE LIGHTMAN-EARDLEY INSTABILITY. Astrophysical Journal, 2009, 704, 781-788.	1.6	72
16	RADIATION-DOMINATED DISKS ARE THERMALLY STABLE. Astrophysical Journal, 2009, 691, 16-31.	1.6	180
17	Thermodynamics of an Accretion Disk Annulus with Comparable Radiation and Gas Pressure. Astrophysical Journal, 2007, 664, 1045-1056.	1.6	44
18	Surface Structure in an Accretion Disk Annulus with Comparable Radiation and Gas Pressure. Astrophysical Journal, 2007, 664, 1057-1071.	1.6	44

#	ARTICLE	IF	CITATIONS
19	Turbulent Comptonization in Black Hole Accretion Disks. <i>Astrophysical Journal</i> , 2004, 601, 405-413.	1.6	51
20	A first close look at the Balmer-edge behaviour of the quasar big blue bump. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 345, 253-260.	1.6	18
21	Local Radiative Hydrodynamic and Magnetohydrodynamic Instabilities in Optically Thick Media. <i>Astrophysical Journal</i> , 2003, 596, 509-537.	1.6	74
22	Thermal comptonization and disk reprocessing in type 1 Seyfert galaxies. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	0
23	Optical/ultraviolet continuum emission theory in radio quiet quasars and active galactic nuclei. , 1998, , .		1
24	Continuum spectra of quasar accretion disk models. , 1998, , .		1
25	Optical/Ultraviolet Continuum Polarization of AGN Accretion Disks. <i>International Astronomical Union Colloquium</i> , 1997, 163, 610-614.	0.1	0
26	Deep infrared imaging of the putative X-ray counterpart to GRB920501. <i>AIP Conference Proceedings</i> , 1996, , .	0.3	1
27	Coalescence of neutron star binaries. <i>AIP Conference Proceedings</i> , 1994, , .	0.3	0