Omer Blaes

List of Publications by Year
in descending order

27	955	471061 17	676716 22
papers	citations	h-index	g-index

27	27	27	1036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RADIATION-DOMINATED DISKS ARE THERMALLY STABLE. Astrophysical Journal, 2009, 691, 16-31.	1.6	180
2	CONVECTION CAUSES ENHANCED MAGNETIC TURBULENCE IN ACCRETION DISKS IN OUTBURST. Astrophysical Journal, 2014, 787, 1.	1.6	78
3	Local Radiative Hydrodynamic and Magnetohydrodynamic Instabilities in Optically Thick Media. Astrophysical Journal, 2003, 596, 509-537.	1.6	74
4	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
5	DISSIPATION AND VERTICAL ENERGY TRANSPORT IN RADIATION-DOMINATED ACCRETION DISKS. Astrophysical Journal, 2011, 733, 110.	1.6	66
6	Outbursts of luminous blue variable stars from variations in the helium opacity. Nature, 2018, 561, 498-501.	13.7	62
7	The Comptonizing medium of the neutron star in 4U 1636Ââ˜Â53 through its lower kilohertz quasi-periodic oscillations. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1399-1415.	1.6	57
8	A characteristic optical variability time scale in astrophysical accretion disks. Science, 2021, 373, 789-792.	6.0	55
9	Turbulent Comptonization in Black Hole Accretion Disks. Astrophysical Journal, 2004, 601, 405-413.	1.6	51
10	Thermodynamics of an Accretion Disk Annulus with Comparable Radiation and Gas Pressure. Astrophysical Journal, 2007, 664, 1045-1056.	1.6	44
11	Surface Structure in an Accretion Disk Annulus with Comparable Radiation and Gas Pressure. Astrophysical Journal, 2007, 664, 1057-1071.	1.6	44
12	General Overview of Black Hole Accretion Theory. Space Science Reviews, 2014, 183, 21-41.	3.7	39
13	Opacity-driven Convection and Variability in Accretion Disks around Supermassive Black Holes. Astrophysical Journal, 2020, 900, 25.	1.6	26
14	Tilted Disks around Black Holes: A Numerical Parameter Survey for Spin and Inclination Angle. Astrophysical Journal, 2019, 878, 51.	1.6	25
15	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
16	The Effects of Tilt on the Images of Black Hole Accretion Flows. Astrophysical Journal, 2020, 894, 14.	1.6	20
17	A first close look at the Balmer-edge behaviour of the quasar big blue bump. Monthly Notices of the Royal Astronomical Society, 2003, 345, 253-260.	1.6	18
18	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

#	Article	IF	Citations
19	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
20	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
21	Periodicities in the K2 light curve of HP Librae. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1222-1230.	1.6	2
22	Deep infrared imaging of the putative X-ray counterpart to GRB920501. AIP Conference Proceedings, 1996, , .	0.3	1
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	Coalescence of neutron star binaries. AIP Conference Proceedings, 1994, , .	0.3	0
26	Optical/Ultraviolet Continuum Polarization of AGN Accretion Disks. International Astronomical Union Colloquium, 1997, 163, 610-614.	0.1	0
27	Thermal comptonization and disk reprocessing in type 1 Seyfert galaxies. AIP Conference Proceedings, 2001, , .	0.3	0