## **Omer Blaes**

List of Publications by Year in descending order

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OMED RIVES

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Radiative relativistic magnetohydrodynamic simulations of neutron star column accretion in<br>Cartesian geometry. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4371-4390.                           | 4.4  | 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.                                     | 4.4  | 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.                                    | 4.4  | 6         |
| 4  | A characteristic optical variability time scale in astrophysical accretion disks. Science, 2021, 373, 789-792.   | 12.6 | 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. | 4.4  | 5         |
| 6  | The Effects of Tilt on the Images of Black Hole Accretion Flows. Astrophysical Journal, 2020, 894, 14.   | 4.5  | 20        |
| 7  | The Comptonizing medium of the neutron star in 4U 1636Ââ^'Â53 through its lower kilohertz<br>quasi-periodic oscillations. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1399-1415.                   | 4.4  | 57        |
| 8  | Opacity-driven Convection and Variability in Accretion Disks around Supermassive Black Holes.<br>Astrophysical Journal, 2020, 900, 25.   | 4.5  | 26        |
| 9  | Periodicities in the <i>K</i> 2 light curve of HP Librae. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1222-1230.   | 4.4  | 2         |
| 10 | Tilted Disks around Black Holes: A Numerical Parameter Survey for Spin and Inclination Angle.<br>Astrophysical Journal, 2019, 878, 51.   | 4.5  | 25        |
| 11 | Outbursts of luminous blue variable stars from variations in the helium opacity. Nature, 2018, 561, 498-501.   | 27.8 | 62        |
| 12 | General Overview of Black Hole Accretion Theory. Space Science Reviews, 2014, 183, 21-41.  | 8.1  | 39        |
| 13 | CONVECTION CAUSES ENHANCED MAGNETIC TURBULENCE IN ACCRETION DISKS IN OUTBURST.<br>Astrophysical Journal, 2014, 787, 1.   | 4.5  | 78        |
| 14 | DISSIPATION AND VERTICAL ENERGY TRANSPORT IN RADIATION-DOMINATED ACCRETION DISKS.<br>Astrophysical Journal, 2011, 733, 110.  | 4.5  | 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.                                  | 4.5  | 72        |
| 16 | RADIATION-DOMINATED DISKS ARE THERMALLY STABLE. Astrophysical Journal, 2009, 691, 16-31.   | 4.5  | 180       |
| 17 | Thermodynamics of an Accretion Disk Annulus with Comparable Radiation and Gas Pressure.<br>Astrophysical Journal, 2007, 664, 1045-1056.  | 4.5  | 44        |
| 18 | Surface Structure in an Accretion Disk Annulus with Comparable Radiation and Gas Pressure.<br>Astrophysical Journal, 2007, 664, 1057-1071.   | 4.5  | 44        |

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|----|--|-----|-----------|
| 19 | Turbulent Comptonization in Black Hole Accretion Disks. Astrophysical Journal, 2004, 601, 405-413.   | 4.5 | 51        |
| 20 | A first close look at the Balmer-edge behaviour of the quasar big blue bump. Monthly Notices of the<br>Royal Astronomical Society, 2003, 345, 253-260. | 4.4 | 18        |
| 21 | Local Radiative Hydrodynamic and Magnetohydrodynamic Instabilities in Optically Thick Media.<br>Astrophysical Journal, 2003, 596, 509-537.             | 4.5 | 74        |
| 22 | Thermal comptonization and disk reprocessing in type 1 Seyfert galaxies. AIP Conference Proceedings, 2001, , .   | 0.4 | 0         |
| 23 | Optical/ultraviolet continuum emission theory in radio quiet quasars and active galactic nuclei. ,<br>1998, , .  |     | 1         |
| 24 | Continuum spectra of quasar accretion disk models. , 1998, , .   |     | 1         |
| 25 | Optical/Ultraviolet Continuum Polarization of AGN Accretion Disks. International Astronomical<br>Union Colloquium, 1997, 163, 610-614.                 | 0.1 | 0         |
| 26 | Deep infrared imaging of the putative X-ray counterpart to GRB920501. AIP Conference Proceedings, 1996, , .  | 0.4 | 1         |
| 27 | Coalescence of neutron star binaries. AIP Conference Proceedings, 1994, , .  | 0.4 | 0         |