

Matthias Bissinger

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Towards a Unified View of Inhomogeneous Stellar Winds in Isolated Supergiant Stars and Supergiant High Mass X-Ray Binaries. <i>Space Science Reviews</i> , 2017, 212, 59-150. | 8.1 | 86 |
| 2 | Long term variability of Cygnus X-1. <i>Astronomy and Astrophysics</i> , 2013, 554, A88. | 5.1 | 64 |
| 3 | No anticorrelation between cyclotron line energy and X-ray flux in 4U 0115+634. <i>Astronomy and Astrophysics</i> , 2013, 551, A6. | 5.1 | 63 |
| 4 | GRO J1008+57: an (almost) predictable transient X-ray binary. <i>Astronomy and Astrophysics</i> , 2013, 555, A95. | 5.1 | 35 |
| 5 | The clumpy absorber in the high-mass X-ray binary Vela X-1. <i>Astronomy and Astrophysics</i> , 2017, 608, A143. | 5.1 | 34 |
| 6 | The accretion environment in Vela X-1 during a flaring period using XMM-Newton. <i>Astronomy and Astrophysics</i> , 2014, 563, A70. | 5.1 | 31 |
| 7 | Discovery and modelling of a flattening of the positive cyclotron line/luminosity relation in GX 304+1 with RXTE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2752-2779. | 4.4 | 31 |
| 8 | Formation of phase lags at the cyclotron energies in the pulse profiles of magnetized, accreting neutron stars. <i>Astronomy and Astrophysics</i> , 2014, 564, L8. | 5.1 | 25 |
| 9 | High Resolution Photoexcitation Measurements Exacerbate the Long-Standing Fe XVII Oscillator Strength Problem. <i>Physical Review Letters</i> , 2020, 124, 225001. | 7.8 | 25 |
| 10 | ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. <i>Astrophysical Journal</i> , 2020, 892, 92. | 4.5 | 25 |
| 11 | The reawakening of the sleeping X-ray pulsar XTE J1946+274. <i>Astronomy and Astrophysics</i> , 2012, 546, A125. | 5.1 | 23 |
| 12 | MEASUREMENTS OF CYCLOTRON FEATURES AND PULSE PERIODS IN THE HIGH-MASS X-RAY BINARIES 4U 1538+522 AND 4U 1907+09 WITH THE INTERNATIONAL GAMMA-RAY ASTROPHYSICS LABORATORY. <i>Astrophysical Journal</i> , 2013, 777, 61. | 4.5 | 22 |
| 13 | Spectral and Timing Analysis of the Accretion-powered Pulsar 4U 1626+67 Observed with Suzaku and NuSTAR. <i>Astrophysical Journal</i> , 2019, 878, 121. | 4.5 | 20 |
| 14 | THE TRANSIENT ACCRETING X-RAY PULSAR XTE J1946+274: STABILITY OF X-RAY PROPERTIES AT LOW FLUX AND UPDATED ORBITAL SOLUTION. <i>Astrophysical Journal</i> , 2015, 815, 44. | 4.5 | 19 |
| 15 | OBSERVATIONS OF THE HIGH-MASS X-RAY BINARY A 0535+26 IN QUIESCENCE. <i>Astrophysical Journal</i> , 2013, 770, 19. | 4.5 | 18 |
| 16 | KM3NeT front-end and readout electronics system: hardware, firmware, and software. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1. | 1.8 | 18 |
| 17 | Evidence for different accretion regimes in GRO J1008+57. <i>Astronomy and Astrophysics</i> , 2017, 607, A88. | 5.1 | 15 |
| 18 | Event reconstruction for KM3NeT/ORCA using convolutional neural networks. <i>Journal of Instrumentation</i> , 2020, 15, P10005-P10005. | 1.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The First NuSTAR Observation of 4U 1538+522: Updated Orbital Ephemeris and a Strengthened Case for an Evolving Cyclotron Line Energy. <i>Astrophysical Journal</i> , 2019, 873, 62. | 4.5 | 14 |
| 20 | gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes. <i>Computer Physics Communications</i> , 2020, 256, 107477. | 7.5 | 14 |
| 21 | Studying the accretion geometry of EXO 2030+375 at luminosities close to the propeller regime. <i>Astronomy and Astrophysics</i> , 2017, 606, A89. | 5.1 | 13 |
| 22 | High-resolution X-ray spectroscopy of the stellar wind in Vela X-1 during a flare. <i>Astronomy and Astrophysics</i> , 2020, 641, A144. | 5.1 | 13 |
| 23 | ANTARES Search for Point Sources of Neutrinos Using Astrophysical Catalogs: A Likelihood Analysis. <i>Astrophysical Journal</i> , 2021, 911, 48. | 4.5 | 11 |
| 24 | Staring at 4U 1909+07 with <i>Suzaku</i> . <i>Astronomy and Astrophysics</i> , 2012, 547, A2. | 5.1 | 9 |
| 25 | <i>Suzaku</i> observations of the 2013 outburst of KS 1947+300. <i>Astronomy and Astrophysics</i> , 2016, 591, A65. | 5.1 | 9 |
| 26 | Fitting strategies of accretion column models and application to the broadband spectrum of Cen X-3. <i>Astronomy and Astrophysics</i> , 2021, 656, A105. | 5.1 | 9 |
| 27 | The Control Unit of the KM3NeT Data Acquisition System. <i>Computer Physics Communications</i> , 2020, 256, 107433. | 7.5 | 8 |
| 28 | Two giant outbursts of V0332+53 observed with INTEGRAL. <i>Astronomy and Astrophysics</i> , 2016, 595, A17. | 5.1 | 7 |
| 29 | A precessing Be disc as a possible model for occultation events in GX 304+1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1553-1564. | 4.4 | 7 |
| 30 | The giant outburst of 4U 0115+634 in 2011 with <i>Suzaku</i> and RXTE. <i>Astronomy and Astrophysics</i> , 2020, 634, A99. | 5.1 | 7 |
| 31 | Search for Neutrinos from the Tidal Disruption Events AT2019dsg and AT2019fdr with the ANTARES Telescope. <i>Astrophysical Journal</i> , 2021, 920, 50. | 4.5 | 6 |
| 32 | Variability in high-mass X-ray binaries. <i>Astronomische Nachrichten</i> , 2019, 340, 323-328. | 1.2 | 1 |
| 33 | Stellar Winds in Massive X-ray Binaries. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 355-358. | 0.0 | 0 |
| 34 | Dust and gas absorption in the high mass X-ray binary IGR J16318+4848. <i>Astronomy and Astrophysics</i> , 2020, 641, A65. | 5.1 | 0 |