Tariq Shahbaz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7818333/publications.pdf

Version: 2024-02-01

128	3,998	94415	155644
papers	citations	37 h-index	55 g-index

128	128	128	2331
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peering into the Dark Side: Magnesium Lines Establish a Massive Neutron Star in PSRÂJ2215+5135. Astrophysical Journal, 2018, 859, 54.	4.5	226
2	A logâ€‰NHâ€‰i= 22.6 Damped LyÎ± Absorber in a Dark Gammaâ€Ray Burst: The Environment of GRB 050401. Astrophysical Journal, 2006, 652, 1011-1019.	4.5	107
3	The mass of the black hole in V404 Cygni. Monthly Notices of the Royal Astronomical Society, 1994, 271, L10-L14.	4.4	104
4	The Halo Black Hole Xâ€Ray Transient XTE J1118+480. Astrophysical Journal, 2001, 556, 42-46.	4.5	102
5	The mass of X-ray Nova Scorpii 1994 (=GRO J1655-40). Monthly Notices of the Royal Astronomical Society, 1999, 306, 89-94.	4.4	101
6	Jet spectral breaks in black hole X-ray binaries. Monthly Notices of the Royal Astronomical Society, 2013, 429, 815-832.	4.4	99
7	Rapid optical and X-ray timing observations of GXâ€ƒ339â^'4: multicomponent optical variability in the low/hard state. Monthly Notices of the Royal Astronomical Society, 0, 407, 2166-2192.	4.4	95
8	A Black Hole Nova Obscured by an Inner Disk Torus. Science, 2013, 339, 1048-1051.	12.6	86
9	Infrared spectroscopy of low-mass X-ray binaries - II. Monthly Notices of the Royal Astronomical Society, 1999, 306, 417-426.	4.4	82
10	Rapid optical and X-ray timing observations of GX 339-4: flux correlations at the onset of a low/hard state. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 390, L29-L33.	3.3	77
11	Swift J1753.5â^'0127: The Black Hole Candidate with the Shortest Orbital Period. Astrophysical Journal, 2008, 681, 1458-1463.	4.5	75
12	Soft X-ray transient light curves as standard candles: exponential versus linear decays. Monthly Notices of the Royal Astronomical Society, 1998, 301, 382-388.	4.4	73
13	The mass of the black hole in Formula. Monthly Notices of the Royal Astronomical Society, 1994, 268, 756-762.	4.4	72
14	Evidence for Optical Flares in Quiescent Soft Xâ€Ray Transients. Astrophysical Journal, 2003, 582, 369-381.	4.5	72
15	Evidence for quiescent synchrotron emission in the black hole X-ray transient SwiftÂJ1357.2â^'0933. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2696-2706.	4.4	69
16	Detection of superhumps in XTE J1118+480 approaching quiescence. Monthly Notices of the Royal Astronomical Society, 2002, 333, 791-799.	4.4	67
17	AN EVOLVING COMPACT JET IN THE BLACK HOLE X-RAY BINARY MAXI J1836â€“194. Astrophysical Journal Letters, 2013, 768, L35.	8.3	65
18	REFINED ORBITAL SOLUTION AND QUIESCENT VARIABILITY IN THE BLACK HOLE TRANSIENT GS 1354-64 (= BW) Tj ETQq0 0 0 rgBT /Ove	7.7	63

#	Article	IF	Citations
19	Correlated X-Ray and Optical Variability in V404 Cygni in Quiescence. Astrophysical Journal, 2004, 611, L125-L128.	4.5	61
20	The non-radially pulsating primary of the cataclysmic variable GW Librae. Monthly Notices of the Royal Astronomical Society, 2004, 350, 307-316.	4.4	58
21	An ellipsoidal study of Centaurus X-4. Monthly Notices of the Royal Astronomical Society, 1993, 265, 655-663.	4.4	55
22	The X-ray transient XTE J1859 + 226 in outburst and quiescence. Monthly Notices of the Royal Astronomical Society, 2002, 334, 999-1008.	4.4	54
23	SWIFT J1753.5-0127: A Surprising Optical/X-Ray Cross-Correlation Function. Astrophysical Journal, 2008, 682, L45-L48.	4.5	52
24	Furiously fast and red: sub-second optical flaring in V404ÂCyg during the 2015 outburst peak. Monthly Notices of the Royal Astronomical Society, 2016, 459, 554-572.	4.4	52
25	Evidence for a black hole in the X-ray transient XTEJ1859+226. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 413, L15-L19.	3.3	49
26	Swift J1357.2â˜0933: a massive black hole in the Galactic thick disc. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2199-2204.	4.4	48
27	An atlas of optical continuum and line emission from low-mass X-ray binaries. Monthly Notices of the Royal Astronomical Society, 1996, 282, 1437-1453.	4.4	46
28	The Optical Counterpart of the Accreting Millisecond Pulsar SAX J1808.4â˜3658 in Outburst: Constraints on the Binary Inclination. Astrophysical Journal, 2001, 563, L61-L64.	4.5	46
29	Evidence of a Black Hole in the X-Ray Transient GS 1354-64 (=BW Circini). Astrophysical Journal, 2004, 613, L133-L136.	4.5	45
30	VLT optical observations of V821 Ara(=GX339-4) in an extended "off" state. Astronomy and Astrophysics, 2001, 376, L17-L21.	5.1	45
31	A TiO study of the black hole binary GRO J0422+32 in a very low state. Monthly Notices of the Royal Astronomical Society, 2000, 317, 528-534.	4.4	43
32	Multiwavelength spectral and high time resolution observations of SWIFTâ€ƒJ1753.5â˜0127: new activity?. Monthly Notices of the Royal Astronomical Society, 2009, 392, 309-324.	4.4	43
33	Determining the spectroscopic mass ratio in interacting binaries: application to X-Ray Nova Sco 1994. Monthly Notices of the Royal Astronomical Society, 2003, 339, 1031-1040.	4.4	42
34	Fast photometry of quiescent soft X-ray transients with the Acquisition Camera on Gemini-South. Monthly Notices of the Royal Astronomical Society, 2003, 340, 447-456.	4.4	41
35	Multicolour observations of V404 Cyg with ULTRACAM. Monthly Notices of the Royal Astronomical Society, 2003, 346, 1116-1124.	4.4	40
36	Flares from a candidate Galactic magnetar suggest a missing link to dim isolated neutron stars. Nature, 2008, 455, 506-509.	27.8	39

#	Article	IF	Citations
37	Infrared photometry of Nova Muscae 1991 (= GS 1124 - 68). Monthly Notices of the Royal Astronomical Society, 1997, 285, 607-612.	4.4	38
38	Roche tomography of cataclysmic variables - IV. Star-spots and slingshot prominences on BV Cen. Monthly Notices of the Royal Astronomical Society, 0, 382, 1105-1118.	4.4	38
39	The mass of the black hole in the low-inclination LMXB transient system GRO J0422 + 32 (= Nova Persei) Tj ETQq1 1 0.784314 rgBT /	4.4	37
40	The multiwavelength polarization of Cygnus Xâ€“1. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2083-2096.	4.4	36
41	The binary millisecond pulsar PSRÂJ1023+0038 during its accretion state â€“ I. Optical variability. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3462-3474.	4.4	35
42	Roche tomography of cataclysmic variables - III. Star-spots on AE Aqr. Monthly Notices of the Royal Astronomical Society, 2006, 368, 637-650.	4.4	34
43	Time-Resolved Optical Photometry of the Ultracompact Binary 4U 0614+091. Publications of the Astronomical Society of the Pacific, 2008, 120, 848-851.	3.1	34
44	The First Polarimetric Signatures of Infrared Jets in Xâ€Ray Binaries. Astrophysical Journal, 2008, 672, 510-515.	4.5	33
45	Evidence for magnetic field compression in shocks within the jet of V404ÂCyg. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1822-1830.	4.4	33
46	Infrared spectroscopy of V404 Cygni: limits on the accretion disc contamination. Monthly Notices of the Royal Astronomical Society, 1996, 282, 977-981.	4.4	32
47	Infrared spectroscopy of low-mass X-ray binaries. Monthly Notices of the Royal Astronomical Society, 1997, 285, 718-724.	4.4	32
48	A new method of determining the inclination angle in interacting binaries. Monthly Notices of the Royal Astronomical Society, 1998, 298, 153-165.	4.4	32
49	The Superluminal Source GRS 1915+105: A High-Mass X-Ray Binary?. Astrophysical Journal, 1997, 477, L45-L48.	4.5	32
50	The outburst radial velocity curve of X-ray Nova Scorpii 1994 (= GRO J1655--40): a reduced mass for the black hole?. Monthly Notices of the Royal Astronomical Society, 1999, 304, 839-844.	4.4	31
51	VLT spectroscopy of XTE J2123â^'058 during quiescence: the masses of the two components. Monthly Notices of the Royal Astronomical Society, 2002, 329, 29-36.	4.4	31
52	The 2005 Outburst of the Halo Black Hole Xâ€Ray Transient XTE J1118+480. Astrophysical Journal, 2006, 644, 432-438.	4.5	31
53	HiPERCAM: a quintuple-beam, high-speed optical imager on the 10.4-m Gran Telescopio Canarias. Monthly Notices of the Royal Astronomical Society, 2021, 507, 350-366.	4.4	30
54	On the outburst amplitude of the soft X-ray transients. Monthly Notices of the Royal Astronomical Society, 1998, 295, L1-L5.	4.4	29

#	Article	IF	Citations
55	High time resolution optical/X-ray cross-correlations for X-ray binaries: anticorrelations and rapid variability. Monthly Notices of the Royal Astronomical Society, 2011, 410, 2329-2338.	4.4	29
56	The Optical Light Curves of XTE J2123â^'058. III. The Mass of the Binary Components and the Structure of the Quiescent Accretion Disk. Astrophysical Journal, 2003, 585, 443-452.	4.5	28
57	Optical spectroscopy of flares from the black hole X-ray transient A0620-00 in quiescence. Monthly Notices of the Royal Astronomical Society, 2004, 354, 31-42.	4.4	27
58	The Massive Neutron Star or Low-Mass Black Hole in 2S 0921-630. Astrophysical Journal, 2004, 616, L123-L126.	4.5	27
59	A black hole X-ray binary at â^¼100ÂHz: multiwavelength timing of MAXIâ€‰J1820+070 with HiPERCAM and NICER. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 490, L62-L66.	3.3	27
60	ULTRACAM observations of the black hole X-ray transient XTE J1118+480 in quiescence. Monthly Notices of the Royal Astronomical Society, 2005, 362, 975-982.	4.4	26
61	Irradiation of the secondary star in X-ray Nova Scorpii 1994 (=GRO J1655-40). Monthly Notices of the Royal Astronomical Society, 2000, 314, 747-752.	4.4	24
62	Optical and near-infrared observations of the microquasar V4641 Sgr during the 1999 September outburst. Monthly Notices of the Royal Astronomical Society, 2003, 343, 169-174.	4.4	24
63	The spotty donor star in the X-ray transient CenÂXâ^'4. Monthly Notices of the Royal Astronomical Society, 2014, 440, 504-513.	4.4	24
64	An 'outside-in' outburst of Aql X-1. Monthly Notices of the Royal Astronomical Society, 1998, 300, 1035-1040.	4.4	24
65	Optical studies of the X-ray transient XTE J2123-058 -- I. Photometry. Monthly Notices of the Royal Astronomical Society, 2000, 316, 137-142.	4.4	23
66	An ellipsoidal modulation in X-ray Nova Vela 1993 (= GRS 1009 â€" 45). Monthly Notices of the Royal Astronomical Society, 1996, 282, L47-L52.	4.4	21
67	T Pyxidis: The First Short-Period Cataclysmic Variable with a Collimated Jet. Astrophysical Journal, 1997, 484, L59-L62.	4.5	21
68	Properties of the redback millisecond pulsar binary 3FGLâ€‰J0212.1+5320. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4287-4296.	4.4	20
69	A Wildly Flickering Jet in the Black Hole X-Ray Binary MAXI J1535â€"571. Astrophysical Journal, 2018, 867, 114.	4.5	20
70	Searching for flickering statistics in T CrB. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2567-2574.	4.4	19
71	A millisecond pulsar candidate in a 21-h orbit: 3FGL J0212.1+5320. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4602-4610.	4.4	19
72	Polarimetric and spectroscopic optical observations of the ultra-compact X-ray binary 4U 0614+091. Astronomy and Astrophysics, 2014, 572, A99.	5.1	18

#	Article	IF	Citations
73	Stellar occultation by (119951) 2002 KX₁₄on April 26, 2012. Astronomy and Astrophysics, 2014, 571, A48.	5.1	18
74	On the outburst amplitude of the soft X-ray transients. Monthly Notices of the Royal Astronomical Society, 1998, 295, L1.	4.4	18
75	Observations of the quiescent X-ray transients GRS 1124-684 (=GUâ€ƒMus) and Cen X-4 (=V822â€ƒCen) taken with ULTRACAM on the VLT. Monthly Notices of the Royal Astronomical Society, 2010, 403, 2167-2175.	4.4	17
76	Roche tomography of cataclysmic variables â€“ VI. Differential rotation of AE Aqr â€“ not tidally locked!. Monthly Notices of the Royal Astronomical Society, 2014, 444, 192-207.	4.4	17
77	Polarized synchrotron emission in quiescent black hole X-ray transients. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2680-2689.	4.4	17
78	Multiwavelength monitoring of GRS 1915 +105. Monthly Notices of the Royal Astronomical Society, 1998, 295, 623-631.	4.4	16
79	Optical variability of the ultracool dwarf TVLM 513-46546: evidence for inhomogeneous dust clouds. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 391, L88-L92.	3.3	16
80	Dynamical masses of a nova-like variable on the edge of the period gap. Monthly Notices of the Royal Astronomical Society, 2015, 452, 146-157.	4.4	16
81	Evidence for hot clumpy accretion flow in the transitional millisecond pulsar PSRâ€‰J1023+0038. Monthly Notices of the Royal Astronomical Society, 2018, 477, 566-577.	4.4	16
82	XMM-Newton detection of Nova Muscae 1991 in quiescence. Astronomy and Astrophysics, 2002, 391, 993-997.	5.1	16
83	The mass of the black hole in GS 2000 + 25 (= QZ Vul). Monthly Notices of the Royal Astronomical Society, 1996, 281, L1-L4.	4.4	15
84	The massive white dwarf in the recurrent nova T CrB. Monthly Notices of the Royal Astronomical Society, 1997, 288, 1027-1032.	4.4	15
85	Aquila X-1: a low-inclination soft X-ray transient. Monthly Notices of the Royal Astronomical Society, 1998, 296, 1004-1008.	4.4	15
86	Long-term optical/infrared variability in the quiescent X-ray transient V404 Cyg. Monthly Notices of the Royal Astronomical Society, 2004, 352, 877-886.	4.4	15
87	Observations of ultracool dwarfs with ULTRACAM on the VLT: a search for weatherâ˜…. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1208-1212.	4.4	14
88	The rotational broadening of V395â€‰Carinae. Implications on the compact object's mass. Astronomy and Astrophysics, 2007, 474, 969-973.	5.1	14
89	The black hole transient Nova Scorpii 1994 (= GRO J1655 - 40): orbital ephemeris and optical light curve. Monthly Notices of the Royal Astronomical Society, 1997, 286, L43-L49.	4.4	13
90	The evolution of rapid optical/X-ray timing correlations in the initial hard state of MAXIâ€‰J1820+070. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3452-3469.	4.4	13

#	Article	IF	Citations
91	Infrared Photometric Variability of GX 13+1 and GX 17+2. Astrophysical Journal, 2002, 570, 793-798.	4.5	13
92	First light with HiPERCAM on the GTC. , 2018, , .		13
93	The system parameters of the polars MR Ser and ST LMi. Monthly Notices of the Royal Astronomical Society, 1996, 282, 362-372.	4.4	12
94	Are Q-stars a serious threat for stellar-mass black hole candidates?. Monthly Notices of the Royal Astronomical Society, 1998, 294, L25-L29.	4.4	11
95	Paving the way to simultaneous multi-wavelength astronomy. New Astronomy Reviews, 2017, 79, 26-48.	12.8	11
96	When the discâ€™s away, the stars will play: dynamical masses in the nova-like variable KR Aur with a pinch of accretion. Monthly Notices of the Royal Astronomical Society, 2020, 494, 425-441.	4.4	11
97	Imaging the cool stars in the interacting binaries AE Aqr, BV Cen and V426 Oph. Astronomische Nachrichten, 2007, 328, 813-816.	1.2	10
98	Saharan mineral dust outbreaks observed over the North Atlantic island of La Palma in summertime between 1984 and 2012. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 1058-1068.	2.7	10
99	The binary millisecond pulsar PSRÂJ1023+0038 â€“ II. Optical spectroscopy. Monthly Notices of the Royal Astronomical Society, 2019, 488, 198-212.	4.4	10
100	The intermediate polar cataclysmic variable GKÂPersei 120Âyears after the nova explosion: a first dynamical mass study. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5805-5819.	4.4	9
101	A Multiwavelength Study of GRS 1716-249 in Outburst: Constraints on Its System Parameters. Astrophysical Journal, 2022, 932, 38.	4.5	9
102	Optical photometry of two transitional millisecond pulsars in the radio pulsar state. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2174-2191.	4.4	8
103	Spectroscopic identification of the infrared counterpart to GX5-1. Monthly Notices of the Royal Astronomical Society, 2003, 340, L13-L16.	4.4	7
104	On the ultracompact nature of 4U 1822â^'000. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1886-1888.	4.4	7
105	Roche tomography of cataclysmic variables â€“ VII. The long-term magnetic activity of AE Aqr. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1858-1874.	4.4	7
106	The long-term optical evolution of the black hole candidate MAXIâ€‰J1659â^'152. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1036-1045.	4.4	7
107	GX 9+9: VARIABILITY OF THE X-RAY ORBITAL MODULATION. Astrophysical Journal, 2009, 696, 1987-1997.	4.5	6
108	Is Formula an eclipsing black-hole binary?. Monthly Notices of the Royal Astronomical Society, 1994, 268, 763-770.	4.4	5

#	Article	IF	Citations
109	On the abundance of lithium in T Coronae Borealis. Monthly Notices of the Royal Astronomical Society, 1999, 306, 675-678.	4.4	5
110	EX draconis: using eclipses to separate outside-in and inside-out outbursts. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4656-4664.	4.4	5
111	Polarimetry of Binary Systems: Polars, Magnetic CVs, XRBs. Astrophysics and Space Science Library, 2019, , 247-276.	2.7	5
112	Probing Jet Launching in Neutron Star X-Ray Binaries: The Variable and Polarized Jet of SAX J1808.4â€“3658. Astrophysical Journal, 2020, 905, 87.	4.5	5
113	The peculiar chemical abundance of the transitional millisecond pulsar PSRâ€‰J1023+0038 â€“ Li enhancement. Monthly Notices of the Royal Astronomical Society, 2022, 513, 71-89.	4.4	5
114	Satellite-Detected Carbon Monoxide Pollution during 2000â€“2012: Examining Global Trends and also Regional Anthropogenic Periods over China, the EU and the USA. Climate, 2014, 2, 1-16.	2.8	4
115	Observational evidence for stellar mass black holes. Journal of Astrophysics and Astronomy, 1999, 20, 197-210.	1.0	2
116	Examining a solarâ€climate link in diurnal temperature ranges. Journal of Geophysical Research, 2012, 117, .	3.3	2
117	Accretion disks. , 0, , 1-44.		2
118	Observational characteristics of accretion onto black holes I. , 0, , 184-226.		2
119	Minioutbursts in XTE J1859+226. Astrophysics and Space Science, 2001, 276, 55-56.	1.4	1
120	Irradiation of the secondary star in X-ray Nova Scorpii 1994 (=GRO J1655-40). AIP Conference Proceedings, 2001, , .	0.4	0
121	Long-Term Variability in the Quiescent X-Ray Transient V404 CYG. International Astronomical Union Colloquium, 2004, 194, 221-221.	0.1	0
122	Multicolour observations of V404 Cyg and J1118+480 with ULTRACAM. AIP Conference Proceedings, 2004, , .	0.4	0
123	Polarimetric Signatures of Infrared Jets in X-ray Binaries. AIP Conference Proceedings, 2008, , .	0.4	0
124	Rapid timing studies of black hole binaries in Optical and X-rays: correlated and non-linear variability. , 2010, , .		0
125	Polarimetric observations of the innermost regions of relativistic jets in X-ray binaries. EPJ Web of Conferences, 2013, 61, 01006.	0.3	0
126	Multiwavelength observations of accretion in low-mass X-ray binary systems. , 0, , 117-150.		0

#	Article	IF	Citations
127	Evidence for quiescent synchrotron emission in the black hole X-ray transient Swift J1357.2â€“0933. EPJ Web of Conferences, 2013, 61, 03007.	0.3	0
128	High-Speed Optical Observations of X-ray Binaries. , 2008, , 37-52.		0