

# Riley Connors

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

624  
citations

687363

13  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

869  
citing authors

#	ARTICLE	IF	CITATIONS
1	The prototype X-ray binary GX 339+4: using TeV $\gamma$ -rays to assess LMXBs as Galactic cosmic ray accelerators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5187-5198.	4.4	6
2	Extending the Baseline for SMC X-1's Spin and Orbital Behavior with NuSTAR Stray Light. <i>Astrophysical Journal</i> , 2022, 926, 187.	4.5	4
3	MAXI and NuSTAR Observations of the Faint X-Ray Transient MAXI J1848-015 in the GLIMPSE-C01 Cluster. <i>Astrophysical Journal</i> , 2022, 927, 190.	4.5	5
4	High-density disc reflection spectroscopy of low-mass active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4361-4379.	4.4	7
5	The NICER "Reverberation Machine": A Systematic Study of Time Lags in Black Hole X-Ray Binaries. <i>Astrophysical Journal</i> , 2022, 930, 18.	4.5	28
6	The effect of returning radiation on relativistic reflection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3965-3983.	4.4	19
7	Disk, Corona, Jet Connection in the Intermediate State of MAXI J1820+070 Revealed by NICER Spectral-timing Analysis. <i>Astrophysical Journal Letters</i> , 2021, 910, L3.	8.3	57
8	Reflection Modeling of the Black Hole Binary 4U 1630+47: The Disk Density and Returning Radiation. <i>Astrophysical Journal</i> , 2021, 909, 146.	4.5	24
9	The Nature of Soft Excess in ESO 362-G18 Revealed by XMM-Newton and NuSTAR Spectroscopy. <i>Astrophysical Journal</i> , 2021, 913, 13.	4.5	19
10	Multiwavelength detectability of isolated black holes in the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4036-4047.	4.4	5
11	Modelling correlated variability in accreting black holes: the effect of high density and variable ionization on reverberation lags. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 55-73.	4.4	18
12	On measuring the Hubble constant with X-ray reverberation mapping of active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 619-633.	4.4	3
13	Spectral and Timing Analysis of NuSTAR and Swift/XRT Observations of the X-Ray Transient MAXI J0637+430. <i>Astrophysical Journal</i> , 2021, 921, 155.	4.5	15
14	Fundamental physics with the Square Kilometre Array. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	179
15	Evidence for Returning Disk Radiation in the Black Hole X-Ray Binary XTE J1550+564. <i>Astrophysical Journal</i> , 2020, 892, 47.	4.5	27
16	Evolution of the Accretion Disk "Corona" during the Bright Hard-to-soft State Transition: A Reflection Spectroscopic Study with GX 339+4. <i>Astrophysical Journal</i> , 2020, 890, 53.	4.5	22
17	Combining timing characteristics with physical broad-band spectral modelling of black hole X-ray binary GX 339+4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3696-3714.	4.4	14
18	Implications of the Warm Corona and Relativistic Reflection Models for the Soft Excess in Mrk 509. <i>Astrophysical Journal</i> , 2019, 871, 88.	4.5	58

#	ARTICLE	IF	CITATIONS
19	Breaking degeneracy in jet dynamics: multi-epoch joint modelling of the BL Lac PKS 2155-304. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4798-4812.	4.4	13
20	Conflicting Disk Inclination Estimates for the Black Hole X-Ray Binary XTE J1550-564. Astrophysical Journal, 2019, 882, 179.	4.5	14
21	The 2017 Failed Outburst of GX 339-4: Relativistic X-Ray Reflection near the Black Hole Revealed by NuSTAR and Swift Spectroscopy. Astrophysical Journal, 2019, 885, 48.	4.5	33
22	Reflection Spectroscopy of the Black Hole Binary XTE J1752-223 in Its Long-stable Hard State. Astrophysical Journal, 2018, 864, 25.	4.5	36
23	Mass-scaling as a method to constrain outflows and particle acceleration from low-luminosity accreting black holes. Monthly Notices of the Royal Astronomical Society, 0, , stw3150.	4.4	18