

Stéphane Corbel

List of Publications by Year in descending order

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40
papers

2,905
citations

201674

27
h-index

302126

39
g-index

40
all docs

40
docs citations

40
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified accretion-ejection paradigm for black hole X-ray binaries. <i>Astronomy and Astrophysics</i> , 2022, 659, A194.	5.1	9
2	Modelling the kinematics of the decelerating jets from the black hole X-ray binary MAXI J1348+630. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4826-4841.	4.4	11
3	Are low-frequency quasi-periodic oscillations in accretion flows the disk response to jet instability?. <i>Astronomy and Astrophysics</i> , 2022, 660, A66.	5.1	9
4	A Multiwavelength Study of GRS 1716-249 in Outburst: Constraints on Its System Parameters. <i>Astrophysical Journal</i> , 2022, 932, 38.	4.5	9
5	Observations of the Disk/Jet Coupling of MAXI J1820+070 during Its Descent to Quiescence. <i>Astrophysical Journal</i> , 2021, 907, 34.	4.5	14
6	The black hole transient MAXI J1348+630: evolution of the compact and transient jets during its 2019/2020 outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 444-468.	4.4	39
7	Expected evolution of disk wind properties along an X-ray binary outburst. <i>Astronomy and Astrophysics</i> , 2021, 649, A128.	5.1	10
8	The hybrid radio/X-ray correlation of the black hole transient MAXI J1348+630. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 505, L58-L63.	3.3	17
9	Measuring the distance to the black hole candidate X-ray binary MAXI J1348+630 using H α absorption. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 501, L60-L64.	3.3	29
10	Observations of Shock Propagation through Turbulent Plasma in the Solar Corona. <i>Astrophysical Journal</i> , 2021, 921, 3.	4.5	9
11	Rapid compact jet quenching in the Galactic black hole candidate X-ray binary MAXI J1535+571. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5772-5785.	4.4	24
12	Relativistic X-Ray Jets from the Black Hole X-Ray Binary MAXI J1820+070. <i>Astrophysical Journal Letters</i> , 2020, 895, L31.	8.3	31
13	An extremely powerful long-lived superluminal ejection from the black hole MAXI J1820+070. <i>Nature Astronomy</i> , 2020, 4, 697-703.	10.1	74
14	Radio and X-ray detections of GX 339+4 in quiescence using MeerKAT and <i>Swift</i> . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 493, L132-L137.	3.3	17
15	Disk-Jet Coupling in the 2017/2018 Outburst of the Galactic Black Hole Candidate X-Ray Binary MAXI J1535+571. <i>Astrophysical Journal</i> , 2019, 883, 198.	4.5	67
16	A unified accretion-ejection paradigm for black hole X-ray binaries. <i>Astronomy and Astrophysics</i> , 2019, 626, A115.	5.1	30
17	A unified accretion-ejection paradigm for black hole X-ray binaries. <i>Astronomy and Astrophysics</i> , 2018, 615, A57.	5.1	34
18	A unified accretion-ejection paradigm for black hole X-ray binaries. <i>Astronomy and Astrophysics</i> , 2018, 617, A46.	5.1	39

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19	Evolving morphology of the large-scale relativistic jets from XTE J1550âˆ“564. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 141-165.	4.4	12
20	Systematic spectral analysis of GX 339âˆ“4: Influence of Galactic background and reflection models. <i>Astronomische Nachrichten</i> , 2016, 337, 435-440.	1.2	11
21	CHARACTERIZING X-RAY AND RADIO EMISSION IN THE BLACK HOLE X-RAY BINARY V404 CYGNI DURING QUIESCENCE. <i>Astrophysical Journal</i> , 2016, 821, 103.	4.5	36
22	The radio/X-ray domain of black hole X-ray binaries at the lowest radio luminosities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 290-300.	4.4	128
23	The âˆ“universalâˆ“ TM radio/X-ray flux correlation: the case study of the black hole GXâˆ“339âˆ“4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 2500-2515.	4.4	204
24	Radiatively efficient accreting black holes in the hard state: the case study of H1743-322. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 677-690.	4.4	215
25	Revisiting the radio/X-ray flux correlation in the black hole V404 Cyg: from outburst to quiescence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 389, 1697-1702.	4.4	99
26	2 Years of <i>INTEGRAL</i> Monitoring of GRS 1915+105. I. Multiwavelength Coverage with <i>INTEGRAL</i> , <i>RXTE</i> , and the Ryle Radio Telescope. <i>Astrophysical Journal</i> , 2008, 675, 1436-1448.	4.5	44
27	On the Origin of Black Hole X-ray Emission in Quiescence: Chandra Observations of XTE J1550âˆ“564 and H1743âˆ“322. <i>Astrophysical Journal</i> , 2006, 636, 971-978.	4.5	78
28	Discovery of X-ray Jets in the Microquasar H1743âˆ“322. <i>Astrophysical Journal</i> , 2005, 632, 504-513.	4.5	104
29	Multiwavelength Observations of the Galactic Black Hole Transient 4U 1543âˆ“47 during Outburst Decay: State Transitions and Jet Contribution. <i>Astrophysical Journal</i> , 2005, 622, 508-519.	4.5	86
30	An X-ray Timing Study of XTE J1550âˆ“564: Evolution of the Low-Frequency Quasi-Periodic Oscillations for the Complete 2000 Outburst. <i>Astrophysical Journal</i> , 2004, 612, 1018-1025.	4.5	39
31	On the Origin of Radio Emission in the X-ray States of XTE J1650âˆ“500 during the 2001âˆ“2002 Outburst. <i>Astrophysical Journal</i> , 2004, 617, 1272-1283.	4.5	162
32	Spectral Properties of Low-Frequency Quasi-Periodic Oscillations in GRS 1915+105. <i>Astrophysical Journal</i> , 2004, 615, 416-421.	4.5	56
33	Exploring the role of jets in the radio/X-ray correlations of GXâˆ“339-4. <i>Astronomy and Astrophysics</i> , 2003, 397, 645-658.	5.1	207
34	Radio/X-ray correlation in the low/hard state of GXâˆ“339âˆ“4. <i>Astronomy and Astrophysics</i> , 2003, 400, 1007-1012.	5.1	356
35	X-ray Emission from the Jets of XTE J1550âˆ“564. <i>Astrophysical Journal</i> , 2003, 582, 945-953.	4.5	68
36	X-ray Jet Emission from the Black Hole X-ray Binary XTE J1550âˆ“564 with Chandra in 2000. <i>Astrophysical Journal</i> , 2003, 582, 933-944.	4.5	55

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37	Large-Scale, Decelerating, Relativistic X-ray Jets from the Microquasar XTE J1550-564. <i>Science</i> , 2002, 298, 196-199.	12.6	200
38	Near-Infrared Synchrotron Emission from the Compact Jet of GX 339 ⁴ . <i>Astrophysical Journal</i> , 2002, 573, L35-L39.	4.5	201
39	X-ray Observations of XTE J1550 ⁴ during the Decay of the 2000 Outburst. I. Chandra and RXTE Energy Spectra. <i>Astrophysical Journal</i> , 2001, 563, 229-238.	4.5	66
40	Clues on jet behavior from simultaneous radio-X-ray fits of GX 339-4. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	6