# StÃ©phane 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 | Radio/X-ray correlation in the low/hard state of GXÂ339â€“4. Astronomy and Astrophysics, 2003, 400, 1007-1012. | 5.1 | 356 |
| 2 | Radiatively efficient accreting black holes in the hard state: the case study of H1743-322. Monthly Notices of the Royal Astronomical Society, 2011, 414, 677-690. | 4.4 | 215 |
| 3 | Exploring the role of jets in the radio/X-ray correlations of GXÂ339-4. Astronomy and Astrophysics, 2003, 397, 645-658. | 5.1 | 207 |
| 4 | The â€˜universalâ€™ radio/X-ray flux correlation: the case study of the black hole GXÂ339â^’4. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2500-2515. | 4.4 | 204 |
| 5 | Near-Infrared Synchrotron Emission from the Compact Jet of GX 339â^’4. Astrophysical Journal, 2002, 573, L35-L39. | 4.5 | 201 |
| 6 | Large-Scale, Decelerating, Relativistic X-ray Jets from the Microquasar XTE J1550-564. Science, 2002, 298, 196-199. | 12.6 | 200 |
| 7 | On the Origin of Radio Emission in the Xâ€Ray States of XTE J1650â^’500 during the 2001â€“2002 Outburst. Astrophysical Journal, 2004, 617, 1272-1283. | 4.5 | 162 |
| 8 | The radio/X-ray domain of black hole X-ray binaries at the lowest radio luminosities. Monthly Notices of the Royal Astronomical Society, 2014, 445, 290-300. | 4.4 | 128 |
| 9 | Discovery of Xâ€Ray Jets in the Microquasar H1743â^’322. Astrophysical Journal, 2005, 632, 504-513. | 4.5 | 104 |
| 10 | Revisiting the radio/X-ray flux correlation in the black hole V404 Cyg: from outburst to quiescence. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1697-1702. | 4.4 | 99 |
| 11 | Multiwavelength Observations of the Galactic Black Hole Transient 4U 1543â^’47 during Outburst Decay: State Transitions and Jet Contribution. Astrophysical Journal, 2005, 622, 508-519. | 4.5 | 86 |
| 12 | On the Origin of Black Hole Xâ€Ray Emission in Quiescence:ChandraObservations of XTE J1550â^’564 and H1743â^’322. Astrophysical Journal, 2006, 636, 971-978. | 4.5 | 78 |
| 13 | An extremely powerful long-lived superluminal ejection from the black hole MAXI J1820+070. Nature Astronomy, 2020, 4, 697-703. | 10.1 | 74 |
| 14 | Xâ€Ray Emission from the Jets of XTE J1550â^’564. Astrophysical Journal, 2003, 582, 945-953. | 4.5 | 68 |
| 15 | Diskâ€“Jet Coupling in the 2017/2018 Outburst of the Galactic Black Hole Candidate X-Ray Binary MAXI J1535â€“571. Astrophysical Journal, 2019, 883, 198. | 4.5 | 67 |
| 16 | Xâ€Ray Observations of XTE J1550â^’564 during the Decay of the 2000 Outburst. I.ChandraandRXTEEnergy Spectra. Astrophysical Journal, 2001, 563, 229-238. | 4.5 | 66 |
| 17 | Spectral Properties of Lowâ€Frequency Quasiâ€periodic Oscillations in GRS 1915+105. Astrophysical Journal, 2004, 615, 416-421. | 4.5 | 56 |
| 18 | Xâ€Ray Jet Emission from the Black Hole Xâ€Ray Binary XTE J1550â^’564 withChandrain 2000. Astrophysical Journal, 2003, 582, 933-944. | 4.5 | 55 |

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|---|---|---|---|
| 19 | 2 Years ofINTEGRALMonitoring of GRS 1915+105. I. Multiwavelength Coverage withINTEGRAL,RXTE, and the Ryle Radio Telescope. Astrophysical Journal, 2008, 675, 1436-1448. | 4.5 | 44 |
| 20 | An Xâ€Ray Timing Study of XTE J1550â˜’564: Evolution of the Lowâ€Frequency Quasiâ€periodic Oscillations for the Complete 2000 Outburst. Astrophysical Journal, 2004, 612, 1018-1025. | 4.5 | 39 |
| 21 | A unified accretion-ejection paradigm for black hole X-ray binaries. Astronomy and Astrophysics, 2018, 617, A46. | 5.1 | 39 |
| 22 | The black hole transient MAXIÂJ1348â€“630: evolution of the compact and transient jets during its 2019/2020 outburst. Monthly Notices of the Royal Astronomical Society, 2021, 504, 444-468. | 4.4 | 39 |
| 23 | CHARACTERIZING X-RAY AND RADIO EMISSION IN THE BLACK HOLE X-RAY BINARY V404 CYGNI DURING QUIESCENCE. Astrophysical Journal, 2016, 821, 103. | 4.5 | 36 |
| 24 | A unified accretion-ejection paradigm for black hole X-ray binaries. Astronomy and Astrophysics, 2018, 615, A57. | 5.1 | 34 |
| 25 | Relativistic X-Ray Jets from the Black Hole X-Ray Binary MAXI J1820+070. Astrophysical Journal Letters, 2020, 895, L31. | 8.3 | 31 |
| 26 | A unified accretion-ejection paradigm for black hole X-ray binaries. Astronomy and Astrophysics, 2019, 626, A115. | 5.1 | 30 |
| 27 | Measuring the distance to the black hole candidate X-ray binary MAXI J1348â€“630 using Hâ€‰<scp>i</scp> absorption. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 501, L60-L64. | 3.3 | 29 |
| 28 | Rapid compact jet quenching in the Galactic black hole candidate X-ray binary MAXIÂJ1535â˜’571. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5772-5785. | 4.4 | 24 |
| 29 | RadioÂand X-ray detections of GXÂ339â€“4 in quiescence using MeerKAT and Swift. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 493, L132-L137. | 3.3 | 17 |
| 30 | The hybrid radio/X-ray correlation of the black hole transient MAXIÂJ1348â€“630. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L58-L63. | 3.3 | 17 |
| 31 | Observations of the Disk/Jet Coupling of MAXI J1820+070 during Its Descent to Quiescence. Astrophysical Journal, 2021, 907, 34. | 4.5 | 14 |
| 32 | Evolving morphology of the large-scale relativistic jets from XTE J1550â˜’564. Monthly Notices of the Royal Astronomical Society, 2017, 472, 141-165. | 4.4 | 12 |
| 33 | Systematic spectral analysis of GX 339â€4: Influence of Galactic background and reflection models. Astronomische Nachrichten, 2016, 337, 435-440. | 1.2 | 11 |
| 34 | Modelling the kinematics of the decelerating jets from the black hole X-ray binary MAXI J1348â€“630. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4826-4841. | 4.4 | 11 |
| 35 | Expected evolution of disk wind properties along an X-ray binary outburst. Astronomy and Astrophysics, 2021, 649, A128. | 5.1 | 10 |
| 36 | Observations of Shock Propagation through Turbulent Plasma in the Solar Corona. Astrophysical Journal, 2021, 921, 3. | 4.5 | 9 |

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|---|---|---|---|
| 37 | A unified accretion-ejection paradigm for black hole X-ray binaries. Astronomy and Astrophysics, 2022, 659, A194. | 5.1 | 9 |
| 38 | Are low-frequency quasi-periodic oscillations in accretion flows the disk response to jet instability?. Astronomy and Astrophysics, 2022, 660, A66. | 5.1 | 9 |
| 39 | A Multiwavelength Study of GRS 1716-249 in Outburst: Constraints on Its System Parameters. Astrophysical Journal, 2022, 932, 38. | 4.5 | 9 |
| 40 | Clues on jet behavior from simultaneous radio-X-ray fits of GX 339-4. Astronomy and Astrophysics, 0, , . | 5.1 | 6 |