

# Didier Barret

## List of Publications by Year in descending order

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103  
papers

7,075  
citations

53794

45  
h-index

58581

82  
g-index

103  
all docs

103  
docs citations

103  
times ranked

4775  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE <i>NUCLEAR SPECTROSCOPIC TELESCOPE ARRAY</i> ( <i>NuSTAR</i> ) HIGH-ENERGY X-RAY MISSION. <i>Astrophysical Journal</i> , 2013, 770, 103.	4.5	1,627
2	An intermediate-mass black hole of over 500 solar masses in the galaxy ESO 243-49. <i>Nature</i> , 2009, 460, 73-75.	27.8	411
3	DISCOVERY OF COHERENT PULSATIONS FROM THE ULTRALUMINOUS X-RAY SOURCE NGC 7793 P13. <i>Astrophysical Journal Letters</i> , 2016, 831, L14.	8.3	272
4	New Evidence for Black Hole Event Horizons from [ITAL]Chandra[/ITAL]. <i>Astrophysical Journal</i> , 2001, 553, L47-L50.	4.5	199
5	Advection-dominated Accretion Model of the Black Hole V404 Cygni in Quiescence. <i>Astrophysical Journal</i> , 1997, 482, 448-464.	4.5	169
6	THE ULTRALUMINOUS X-RAY SOURCES NGC 1313 X-1 AND X-2: A BROADBAND STUDY WITH <i>NuSTAR</i> AND <i>XMM-Newton</i> . <i>Astrophysical Journal</i> , 2013, 778, 163.	4.5	145
7	RELATIVISTIC LINES AND REFLECTION FROM THE INNER ACCRETION DISKS AROUND NEUTRON STARS. <i>Astrophysical Journal</i> , 2010, 720, 205-225.	4.5	136
8	Radio Detections During Two State Transitions of the Intermediate-Mass Black Hole HLX-1. <i>Science</i> , 2012, 337, 554-556.	12.6	126
9	An abrupt drop in the coherence of the lower kHz quasi-periodic oscillations in 4U 1636 <sup>+</sup> 536. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 855-860.	4.4	119
10	The X-ray Spectra of Black Hole X-ray Novae in Quiescence as Measured by Chandra. <i>Astrophysical Journal</i> , 2002, 570, 277-286.	4.5	117
11	Evidence for Pulsar-like Emission Components in the Broadband ULX Sample. <i>Astrophysical Journal</i> , 2018, 856, 128.	4.5	112
12	THE REFLECTION COMPONENT FROM CYGNUS X-1 IN THE SOFT STATE MEASURED BY <i>NuSTAR</i> AND <i>SUZAKU</i> . <i>Astrophysical Journal</i> , 2014, 780, 78.	4.5	109
13	X-RAY VARIABILITY AND HARDNESS OF ESO 243-49 HLX-1: CLEAR EVIDENCE FOR SPECTRAL STATE TRANSITIONS. <i>Astrophysical Journal</i> , 2011, 743, 6.	4.5	105
14	Alternative Explanations for Extreme Supersolar Iron Abundances Inferred from the Energy Spectrum of Cygnus X-1. <i>Astrophysical Journal</i> , 2018, 855, 3.	4.5	102
15	A luminous X-ray outburst from an intermediate-mass black hole in an off-centre star cluster. <i>Nature Astronomy</i> , 2018, 2, 656-661.	10.1	96
16	The broad band x-ray/hard x-ray spectra of accreting neutron stars. <i>Advances in Space Research</i> , 2001, 28, 307-321.	2.6	94
17	BROADBAND X-RAY SPECTRA OF THE ULTRALUMINOUS X-RAY SOURCE HOLMBERG IX X-1 OBSERVED WITH <i>NuSTAR</i> , <i>XMM-NEWTON</i> , AND <i>SUZAKU</i> . <i>Astrophysical Journal</i> , 2014, 793, 21.	4.5	93
18	THE SOFT STATE OF CYGNUS X-1 OBSERVED WITH <i>NuSTAR</i> : A VARIABLE CORONA AND A STABLE INNER DISK. <i>Astrophysical Journal</i> , 2016, 826, 87.	4.5	93

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19	THE COOL ACCRETION DISK IN ESO 243-49 HLX-1: FURTHER EVIDENCE OF AN INTERMEDIATE-MASS BLACK HOLE. <i>Astrophysical Journal</i> , 2011, 734, 111.	4.5	92
20	The coherence of kilohertz quasi-periodic oscillations in the X-rays from accreting neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 1140-1146.	4.4	89
21	THE DISTRIBUTION OF RADIOACTIVE $^{44}\text{Ti}$ IN CASSIOPEIA A. <i>Astrophysical Journal</i> , 2017, 834, 19.	4.5	87
22	Luminosity Differences between Black Holes and Neutron Stars. <i>Astrophysical Journal</i> , 1996, 473, 963-973.	4.5	86
23	NuSTAR AND SWIFT OBSERVATIONS OF THE VERY HIGH STATE IN GX 339-4: WEIGHING THE BLACK HOLE WITH X-RAYS. <i>Astrophysical Journal Letters</i> , 2016, 821, L6.	8.3	85
24	Constraining the Equation of State of Supranuclear Dense Matter from XMM-Newton Observations of Neutron Stars in Globular Clusters. <i>Astrophysical Journal</i> , 2007, 671, 727-733.	4.5	82
25	Phase-resolved X-ray spectroscopy of the millisecond pulsar SAX J1808.4-3658. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 331, 141-153.	4.4	81
26	ULX spectra revisited: Accreting, highly magnetized neutron stars as the engines of ultraluminous X-ray sources. <i>Astronomy and Astrophysics</i> , 2017, 608, A47.	5.1	77
27	NO TIME FOR DEAD TIME: TIMING ANALYSIS OF BRIGHT BLACK HOLE BINARIES WITH NuSTAR. <i>Astrophysical Journal</i> , 2015, 800, 109.	4.5	73
28	AN IRON K COMPONENT TO THE ULTRAFAST OUTFLOW IN NGC 1313 X-1. <i>Astrophysical Journal Letters</i> , 2016, 826, L26.	8.3	73
29	A Peculiar Spectral State Transition of 4U 1705-44: When an Atoll Looks Like a Z. <i>Astrophysical Journal</i> , 2002, 576, 391-401.	4.5	73
30	CLASSIFICATION OF X-RAY SOURCES IN THE XMM-NEWTON SERENDIPITOUS SOURCE CATALOG. <i>Astrophysical Journal</i> , 2012, 756, 27.	4.5	67
31	THE DISK WIND IN THE RAPIDLY SPINNING STELLAR-MASS BLACK HOLE 4U 1630-472 OBSERVED WITH NuSTAR. <i>Astrophysical Journal Letters</i> , 2014, 784, L2.	8.3	65
32	SPECTRAL CHANGES IN THE HYPERLUMINOUS PULSAR IN NGC 5907 AS A FUNCTION OF SUPER-ORBITAL PHASE. <i>Astrophysical Journal</i> , 2017, 834, 77.	4.5	64
33	A Potential Cyclotron Resonant Scattering Feature in the Ultraluminous X-Ray Source Pulsar NGC 300 ULX1 Seen by NuSTAR and XMM-Newton. <i>Astrophysical Journal Letters</i> , 2018, 857, L3.	8.3	64
34	THE NuSTAR EXTRAGALACTIC SURVEYS: THE NUMBER COUNTS OF ACTIVE GALACTIC NUCLEI AND THE RESOLVED FRACTION OF THE COSMIC X-RAY BACKGROUND. <i>Astrophysical Journal</i> , 2016, 831, 185.	4.5	63
35	A likely decade-long sustained tidal disruption event. <i>Nature Astronomy</i> , 2017, 1, .	10.1	63
36	The carbon footprint of large astronomy meetings. <i>Nature Astronomy</i> , 2020, 4, 823-825.	10.1	62

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37	A 78 DAY X-RAY PERIOD DETECTED FROM NGC 5907 ULX1 BY SWIFT. <i>Astrophysical Journal Letters</i> , 2016, 827, L13.	8.3	56
38	THE SMOOTH CYCLOTRON LINE IN HER X-1 AS SEEN WITH NUCLEAR SPECTROSCOPIC TELESCOPE ARRAY. <i>Astrophysical Journal</i> , 2013, 779, 69.	4.5	54
39	MAXIMUM LIKELIHOOD FITTING OF X-RAY POWER DENSITY SPECTRA: APPLICATION TO HIGH-FREQUENCY QUASI-PERIODIC OSCILLATIONS FROM THE NEUTRON STAR X-RAY BINARY 4U1608-522. <i>Astrophysical Journal</i> , 2012, 746, 131.	4.5	53
40	THE BROADBAND <i>XMM-NEWTON</i> AND <i>NuSTAR</i> X-RAY SPECTRA OF TWO ULTRALUMINOUS X-RAY SOURCES IN THE GALAXY IC 342. <i>Astrophysical Journal</i> , 2015, 799, 121.	4.5	53
41	Hard X-ray emission from weakly magnetized neutron stars. <i>Astrophysical Journal, Supplement Series</i> , 1994, 92, 505.	7.7	53
42	A Hard Look at the Neutron Stars and Accretion Disks in 4U 1636-53, GX 17+2, and 4U 1705-44 with NuStar. <i>Astrophysical Journal</i> , 2017, 836, 140.	4.5	52
43	A $\approx 3.8$ hr PERIODICITY FROM AN ULTRASOFT ACTIVE GALACTIC NUCLEUS CANDIDATE. <i>Astrophysical Journal Letters</i> , 2013, 776, L10.	8.3	50
44	A HARD X-RAY POWER-LAW SPECTRAL CUTOFF IN CENTAURUS X-4. <i>Astrophysical Journal</i> , 2014, 797, 92.	4.5	49
45	DISCOVERY OF AN ULTRASOFT X-RAY TRANSIENT SOURCE IN THE 2XMM CATALOG: A TIDAL DISRUPTION EVENT CANDIDATE. <i>Astrophysical Journal</i> , 2011, 738, 52.	4.5	48
46	NuSTAR HARD X-RAY SURVEY OF THE GALACTIC CENTER REGION. II. X-RAY POINT SOURCES. <i>Astrophysical Journal</i> , 2016, 825, 132.	4.5	48
47	<i>NuSTAR</i> HARD X-RAY SURVEY OF THE GALACTIC CENTER REGION. I. HARD X-RAY MORPHOLOGY AND SPECTROSCOPY OF THE DIFFUSE EMISSION. <i>Astrophysical Journal</i> , 2015, 814, 94.	4.5	42
48	AN ULTRASOFT X-RAY FLARE FROM 3XMM J152130.7+074916: A TIDAL DISRUPTION EVENT CANDIDATE. <i>Astrophysical Journal</i> , 2015, 811, 43.	4.5	41
49	A HARD X-RAY STUDY OF THE ULTRALUMINOUS X-RAY SOURCE NGC 5204 X-1 WITH <i>NuSTAR</i> AND <i>XMM-NEWTON</i> . <i>Astrophysical Journal</i> , 2015, 808, 64.	4.5	41
50	IMPLICATIONS OF THE DELAYED 2013 OUTBURST OF ESO 243-49 HLX-1. <i>Astrophysical Journal</i> , 2014, 793, 105.	4.5	36
51	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
52	NuSTAR Observations of the Accreting Atolls GX 3+1, 4U 1702-429, 4U 0614+091, and 4U 1746-371. <i>Astrophysical Journal</i> , 2019, 873, 99.	4.5	35
53	On the distribution of frequency ratios of kHz quasi-periodic oscillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 1290-1298.	4.4	34
54	SOFT LAGS IN NEUTRON STAR kHz QUASI-PERIODIC OSCILLATIONS: EVIDENCE FOR REVERBERATION?. <i>Astrophysical Journal</i> , 2013, 770, 9.	4.5	33

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55	MEASURING A TRUNCATED DISK IN AQUILA X-1. <i>Astrophysical Journal Letters</i> , 2016, 819, L29.	8.3	33
56	STUDYING FREQUENCY RELATIONSHIPS OF KILOHERTZ QUASI-PERIODIC OSCILLATIONS FOR 4U 1636+53 AND Sco X-1: OBSERVATIONS CONFRONT THEORIES. <i>Astrophysical Journal</i> , 2011, 726, 74.	4.5	32
57	Correlated Timing and Spectral Behavior of 4U 1705+44. <i>Astrophysical Journal</i> , 2003, 583, 416-423.	4.5	29
58	kHz quasi-periodic oscillations in the low-mass X-ray binary 4U 0614+09. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 1901-1906.	4.4	29
59	Discovery of the upper kilohertz quasi-periodic oscillation from the X-ray transient Aql X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 1519-1524.	4.4	28
60	Multiwavelength Follow-up of the Hyperluminous Intermediate-mass Black Hole Candidate 3XMM J215022.4+055108. <i>Astrophysical Journal Letters</i> , 2020, 892, L25.	8.3	28
61	Accretion in strong field gravity with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	27
62	Evolution of Aquila X-1 during the Rising Phase of Its 1998 Outburst. <i>Astrophysical Journal</i> , 1998, 502, L49-L53.	4.5	26
63	Large decay of X-ray flux in 2XMM J123103.2+110648: evidence for a tidal disruption event. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 783-789.	4.4	25
64	Estimating, monitoring and minimizing the travel footprint associated with the development of the Athena X-ray Integral Field Unit. <i>Experimental Astronomy</i> , 2020, 49, 183-216.	3.7	25
65	The Broadband Spectral Variability of Holmberg IX X-1. <i>Astrophysical Journal</i> , 2017, 839, 105.	4.5	24
66	A BROADBAND X-RAY SPECTRAL STUDY OF THE INTERMEDIATE-MASS BLACK HOLE CANDIDATE M82 X-1 WITH NuSTAR, CHANDRA, AND SWIFT. <i>Astrophysical Journal</i> , 2016, 829, 28.	4.5	23
67	A TEST OF THE NATURE OF THE FE K LINE IN THE NEUTRON STAR LOW-MASS X-RAY BINARY SERPENS X-1. <i>Astrophysical Journal</i> , 2016, 821, 105.	4.5	21
68	A NuSTAR OBSERVATION OF THE REFLECTION SPECTRUM OF THE LOW-MASS X-RAY BINARY 4U 1728-34. <i>Astrophysical Journal</i> , 2016, 827, 134.	4.5	20
69	The Hard State of the Highly Absorbed High Inclination Black Hole Binary Candidate Swift J1658.2+4242 Observed by NuSTAR and Swift. <i>Astrophysical Journal</i> , 2018, 865, 18.	4.5	20
70	<i>NuSTAR</i> AND <i>INTEGRAL</i> OBSERVATIONS OF A LOW/HARD STATE OF 1E1740.7-2942. <i>Astrophysical Journal</i> , 2014, 780, 63.	4.5	19
71	PATCHY ACCRETION DISKS IN ULTRA-LUMINOUS X-RAY SOURCES. <i>Astrophysical Journal Letters</i> , 2014, 785, L7.	8.3	19
72	THE SPECTRAL-TIMING PROPERTIES OF UPPER AND LOWER kHz QPOs. <i>Astrophysical Journal</i> , 2015, 811, 109.	4.5	19

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73	Studying the Reflection Spectra of the New Black Hole X-Ray Binary Candidate MAXI J1631-479 Observed by NuSTAR: A Variable Broad Iron Line Profile. <i>Astrophysical Journal</i> , 2020, 893, 30.	4.5	19
74	DISCOVERY OF THE CANDIDATE OFF-NUCLEAR ULTRASOFT HYPER-LUMINOUS X-RAY SOURCE 3XMM J141711.1+522541. <i>Astrophysical Journal</i> , 2016, 821, 25.	4.5	18
75	X-Ray Structure between the Innermost Disk and Optical Broad-line Region in NGC 4151. <i>Astrophysical Journal</i> , 2018, 865, 97.	4.5	18
76	Investigating the mass of the intermediate mass black hole candidate HLX-1 with the slimbh model. <i>Astronomy and Astrophysics</i> , 2014, 569, A116.	5.1	17
77	Inferring black hole spins and probing accretion/ejection flows in AGNs with the <i>Athena</i> X-ray Integral Field Unit. <i>Astronomy and Astrophysics</i> , 2019, 628, A5.	5.1	17
78	Timing Calibration of the NuSTAR X-Ray Telescope. <i>Astrophysical Journal</i> , 2021, 908, 184.	4.5	17
79	Searching for intermediate-mass black holes in galaxies with low-luminosity AGN: a multiple-method approach. <i>Astronomy and Astrophysics</i> , 2017, 601, A20.	5.1	16
80	DISCOVERY OF A HIGHLY VARIABLE DIPPING ULTRALUMINOUS X-RAY SOURCE IN M94. <i>Astrophysical Journal</i> , 2013, 779, 149.	4.5	15
81	The NuSTAR Hard X-Ray Survey of the Norma Arm Region. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 33.	7.7	15
82	A Systematic Spectral-timing Analysis of KiloHertz Quasi-periodic Oscillations in the Rossi X-Ray Timing Explorer Archive. <i>Astrophysical Journal</i> , 2018, 860, 167.	4.5	15
83	A Broadband Look at the Old and New ULXs of NGC 6946. <i>Astrophysical Journal</i> , 2019, 881, 38.	4.5	15
84	A Hard Look at Local, Optically Selected, Obscured Seyfert Galaxies*. <i>Astrophysical Journal</i> , 2020, 901, 161.	4.5	15
85	Testing the rotating hotspot model using X-ray burst oscillations from 4U 1636-536. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 433, L64-L68.	3.3	13
86	CLASSIFICATION OF X-RAY SOURCES IN THE XMM-NEWTON SERENDIPITOUS SOURCE CATALOG: OBJECTS OF SPECIAL INTEREST. <i>Astrophysical Journal</i> , 2014, 780, 39.	4.5	13
87	Constraining the origin and models of chemical enrichment in galaxy clusters using the <i>Athena</i> X-IFU. <i>Astronomy and Astrophysics</i> , 2020, 642, A90.	5.1	13
88	Broadband X-Ray Spectral and Timing Analyses of the Black Hole Binary Candidate Swift J1658.2-4242: Rapid Flux Variation and the Turn-on of a Transient QPO. <i>Astrophysical Journal</i> , 2019, 879, 93.	4.5	12
89	Frequency ratio of twin kHz quasi-periodic oscillations: The case of 4U1820-303. <i>New Astronomy Reviews</i> , 2008, 51, 835-840.	12.8	11
90	<i>NuSTAR</i> DETECTION OF HARD X-RAY PHASE LAGS FROM THE ACCRETING PULSAR GS 0834-430. <i>Astrophysical Journal</i> , 2013, 775, 65.	4.5	11

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91	Spectral Evolution of the Ultraluminous X-Ray Sources M82 X-1 and X-2. <i>Astrophysical Journal</i> , 2020, 889, 71.	4.5	11
92	The Inner Accretion Flow in the Resurgent Seyfert-1.2 AGN Mrk 817. <i>Astrophysical Journal Letters</i> , 2021, 911, L12.	8.3	10
93	The Nature of the Broadband X-Ray Variability in the Dwarf Seyfert Galaxy NGC 4395. <i>Astrophysical Journal</i> , 2019, 886, 145.	4.5	9
94	Forging a sustainable future for astronomy. <i>Nature Astronomy</i> , 2021, 5, 857-860.	10.1	9
95	Multiwavelength follow-up observations of the tidal disruption event candidate 2XMMi J184725.1 $\hat{a}$ 631724. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3000-3008.	4.4	8
96	The critical role of funders in shrinking the carbon footprint of research. <i>Lancet Planetary Health</i> , The, 2022, 6, e4-e6.	11.4	8
97	Follow-up Observations of the Prolonged, Super-Eddington, Tidal Disruption Event Candidate 3XMM J150052.0+015452: the Slow Decline Continues. <i>Astrophysical Journal Letters</i> , 2022, 924, L35.	8.3	8
98	<i>XMM-NEWTON</i> OBSERVATIONS OF THE TeV $\hat{\gamma}$ -RAY SOURCE HESS J1804-216. <i>Astrophysical Journal</i> , 2013, 766, 29.	4.5	5
99	X-ray timing beyond the Rossi X-ray Timing Explorer. <i>Advances in Space Research</i> , 2006, 38, 2979-2984.	2.6	2
100	Astronomy organizations should lead in our battle against the climate crisis. <i>Nature Astronomy</i> , 2022, 6, 764-764.	10.1	2
101	The NuSTAR ULX program. <i>EPJ Web of Conferences</i> , 2014, 64, 06010.	0.3	1
102	Accretion flows around stellar mass black holes and neutron stars. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0
103	NuSTAR detection of 4s Hard X-ray Lags from the Accreting Pulsar GS 0834-430. <i>EPJ Web of Conferences</i> , 2014, 64, 06011.	0.3	0