Patrick S Broos

List of Publications by Year
in descending order

35 papers	3,496 citations	218677 26 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	4115 citing authors

#	Article	IF	Citations
1	The Swift Ultra-Violet/Optical Telescope. Space Science Reviews, 2005, 120, 95-142.	8.1	1,401
2	INNOVATIONS IN THE ANALYSIS OFCHANDRA-ACIS OBSERVATIONS. Astrophysical Journal, 2010, 714, 1582-1605.	4.5	234
3	10 MK Gas in M17 and the Rosette Nebula: Xâ€Ray Flows in Galactic HiiRegions. Astrophysical Journal, 2003, 593, 874-905.	4.5	185
4	AN INTRODUCTION TO THE CHANDRA CARINA COMPLEX PROJECT. Astrophysical Journal, Supplement Series, 2011, 194, 1.	7.7	117
5	THE SPATIAL STRUCTURE OF YOUNG STELLAR CLUSTERS. I. SUBCLUSTERS. Astrophysical Journal, 2014, 787, 107.	4.5	114
6	Xâ€Ray Flares in Orion Young Stars. I. Flare Characteristics. Astrophysical Journal, 2008, 688, 418-436.	4.5	105
7	A PAN-CARINA YOUNG STELLAR OBJECT CATALOG: INTERMEDIATE-MASS YOUNG STELLAR OBJECTS IN THE CARINA NEBULA IDENTIFIED VIA MID-INFRARED EXCESS EMISSION. Astrophysical Journal, Supplement Series, 2011, 194, 14.	7.7	105
8	OVERVIEW OF THE MASSIVE YOUNG STAR-FORMING COMPLEX STUDY IN INFRARED AND X-RAY (MYStIX) PROJECT. Astrophysical Journal, Supplement Series, 2013, 209, 26.	7.7	104
9	A CATALOG OF CHANDRA X-RAY SOURCES IN THE CARINA NEBULA. Astrophysical Journal, Supplement Series, 2011, 194, 2.	7.7	77
10	CARINA OB STARS: X-RAY SIGNATURES OF WIND SHOCKS AND MAGNETIC FIELDS. Astrophysical Journal, Supplement Series, 2011, 194, 5.	7.7	74
11	X-RAY STAR CLUSTERS IN THE CARINA COMPLEX. Astrophysical Journal, Supplement Series, 2011, 194, 9.	7.7	73
12	THE MASSIVE STAR-FORMING REGIONS OMNIBUS X-RAY CATALOG. Astrophysical Journal, Supplement Series, 2014, 213, 1.	7.7	72
13	THE INTEGRATED DIFFUSE X-RAY EMISSION OF THE CARINA NEBULA COMPARED TO OTHER MASSIVE STAR-FORMING REGIONS. Astrophysical Journal, Supplement Series, 2011, 194, 16.	7.7	71
14	IDENTIFYING YOUNG STARS IN MASSIVE STAR-FORMING REGIONS FOR THE MYStIX PROJECT. Astrophysical Journal, Supplement Series, 2013, 209, 32.	7.7	71
15	AGE GRADIENTS IN THE STELLAR POPULATIONS OF MASSIVE STAR FORMING REGIONS BASED ON A NEW STELLAR CHRONOMETER. Astrophysical Journal, 2014, 787, 108.	4.5	70
16	THE MYStIX INFRARED-EXCESS SOURCE CATALOG. Astrophysical Journal, Supplement Series, 2013, 209, 31.	7.7	68
17	An Xâ€Ray Census of Young Stars in the Massive Southern Starâ€forming Complex NGC 6357. Astrophysical Journal, Supplement Series, 2007, 168, 100-127.	7.7	56
18	THE CHANDRA CARINA COMPLEX PROJECT: DECIPHERING THE ENIGMA OF CARINA'S DIFFUSE X-RAY EMISSION. Astrophysical Journal, Supplement Series, 2011, 194, 15.	7.7	52

#	Article	IF	Citations
19	METHODS FOR ESTIMATING FLUXES AND ABSORPTIONS OF FAINT X-RAY SOURCES. Astrophysical Journal, 2010, 708, 1760-1771.	4.5	49
20	A NAIVE BAYES SOURCE CLASSIFIER FOR X-RAY SOURCES. Astrophysical Journal, Supplement Series, 2011, 194, 4.	7.7	49
21	STELLAR CLUSTERS IN THE NGC 6334 STAR-FORMING COMPLEX. Astronomical Journal, 2009, 138, 227-239.	4.7	48
22	Star Formation In Nearby Clouds (SFiNCs): X-Ray and Infrared Source Catalogs and Membership. Astrophysical Journal, Supplement Series, 2017, 229, 28.	7.7	44
23	THE CHANDRA CARINA COMPLEX PROJECT VIEW OF TRUMPLER 16. Astrophysical Journal, Supplement Series, 2011, 194, 12.	7.7	42
24	BAYESIAN MATCHING FOR X-RAY AND INFRARED SOURCES IN THE MYStIX PROJECT. Astrophysical Journal, Supplement Series, 2013, 209, 30.	7.7	41
25	RAPID CIRCUMSTELLAR DISK EVOLUTION AND AN ACCELERATING STAR FORMATION RATE IN THE INFRARED DARK CLOUD M17 SWex. Astrophysical Journal, 2016, 825, 125.	4.5	34
26	THE MASSIVE YOUNG STAR-FORMING COMPLEX STUDY IN INFRARED AND X-RAY: X-RAY SOURCES IN 10 STAR-FORMING REGIONS. Astrophysical Journal, Supplement Series, 2013, 209, 27.	7.7	33
27	Stellar feedback and triggered star formation in the prototypical bubble RCW 120. Science Advances, 2021, 7, .	10.3	30
28	The Massive Star-forming Regions Omnibus X-ray Catalog, Second Installment. Astrophysical Journal, Supplement Series, 2018, 235, 43.	7.7	25
29	The Massive Star-forming Regions Omnibus X-ray Catalog, Third Installment. Astrophysical Journal, Supplement Series, 2019, 244, 28.	7.7	19
30	The 155-day X-ray cycle of the very massive Wolfâ€“Rayet star Melnick 34 in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3228-3236.	4.4	18
31	Melnick 33Na: a very massive colliding-wind binary system in 30 Doradus. Monthly Notices of the Royal Astronomical Society, 2022, 510, 6133-6149.	4.4	7
32	IRAS 09002-4732: A Laboratory for the Formation of Rich Stellar Clusters. Astronomical Journal, 2019, 158, 235.	4.7	4
33	Characterizing the X-Ray Emission of Intermediate-mass Pre-main-sequence Stars. Astronomical Journal, 2021, 162, 153.	4.7	4
34	The Chandra survey of Carina OB stars. Proceedings of the International Astronomical Union, 2010, 6, 608-609.	0.0	0
35	A Smoking Gun in the Carina Nebula. , 2010, , .		0