

Dan Wilkins

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4691067/publications.pdf>

Version: 2024-02-01

54
papers

3,021
citations

172207

29
h-index

182168

51
g-index

54
all docs

54
docs citations

54
times ranked

2122
citing authors

#	ARTICLE	IF	CITATIONS
1	Acceleration and cooling of the corona during X-ray flares from the Seyfert galaxy IC 5063 . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 761-775.	1.6	13
2	Mitigating the effects of particle background on the Athena Wide Field Imager. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2022, 8, .	1.0	2
3	High-density disc reflection spectroscopy of low-mass active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4361-4379.	1.6	7
4	Discovery of soft and hard X-ray time lags in low-mass AGNs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3775-3783.	1.6	6
5	Modeling the Multiwavelength Variability of Mrk 335 Using Gaussian Processes. <i>Astrophysical Journal</i> , 2021, 914, 144.	1.6	12
6	Light bending and X-ray echoes from behind a supermassive black hole. <i>Nature</i> , 2021, 595, 657-660.	13.7	28
7	Characterizing continuum variability in the radio-loud narrow-line Seyfert 1 galaxy IRAS 17020+4544. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3708-3724.	1.6	2
8	Returning radiation in strong gravity around black holes: reverberation from the accretion disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3302-3319.	1.6	20
9	The soft state of the black hole transient source MAXI J1820+070: emission from the edge of the plunge region?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5389-5396.	1.6	36
10	Venturing beyond the ISCO: detecting X-ray emission from the plunging regions around black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5532-5550.	1.6	20
11	Blueshifted absorption lines from X-ray reflection in IRAS 13224+3809. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2518-2522.	1.6	14
12	Characterization of the Particle-induced Background of XMM-Newton EPIC-pn: Short- and Long-term Variability. <i>Astrophysical Journal</i> , 2020, 891, 13.	1.6	11
13	Identifying charged particle background events in x-ray imaging detectors with novel machine learning algorithms. , 2020, , .		2
14	Low-frequency X-ray timing with Gaussian processes and reverberation in the radio-loud AGN 3C 120. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1957-1972.	1.6	16
15	Black hole magnetosphere with small-scale flux tubes II. Stability and dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4114-4127.	1.6	22
16	The XMM-Newton/HST View of the Obscuring Outflow in the Seyfert Galaxy Mrk 335 Observed at Extremely Low X-Ray Flux. <i>Astrophysical Journal</i> , 2019, 875, 150.	1.6	30
17	Evidence for an emerging disc wind and collimated outflow during an X-ray flare in the narrow-line Seyfert 1 galaxy Mrk 335. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4287-4297.	1.6	30
18	Black hole magnetosphere with small-scale flux tubes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4920-4932.	1.6	21

#	ARTICLE	IF	CITATIONS
19	The remarkable X-ray variability of IRAS 13224â€”3809 â€” I. The variability process. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2088-2106.	1.6	56
20	US Contributions to the Athena Wide Field Imager. , 2019, , .		0
21	The variability of the warm absorber in I Zwicky 1 as seen by XMMâ€”Newton. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2334-2342.	1.6	13
22	Variable blurred reflection in the narrow-line Seyfert 1 galaxy Mrk 493. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3247-3256.	1.6	7
23	Eleven years of monitoring the Seyfert 1 Mrk 335 with Swift: Characterizing the X-ray and UV/optical variability. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2557-2568.	1.6	41
24	On the illumination of neutron star accretion discs. Monthly Notices of the Royal Astronomical Society, 2018, 475, 748-756.	1.6	11
25	Is there a UV/X-ray connection in IRAS 13224â”3809?. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2306-2313.	1.6	19
26	The 1.5â€”Ms observing campaign on IRAS 13224â”3809 â€” I. X-ray spectral analysis. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3711-3726.	1.6	71
27	The ATHENA WFI science products module. , 2018, , .		1
28	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. Astrophysical Journal Letters, 2017, 837, L15.	3.0	84
29	Future of Xâ€”ray reverberation from <sc>AGN</sc>. Astronomische Nachrichten, 2017, 338, 269-273.	0.6	7
30	Probing the geometry and motion of AGN coronae through accretion disc emissivity profiles. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1932-1945.	1.6	33
31	Revealing structure and evolution within the corona of the Seyfert galaxy Iâ€”Zwâ€”1. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4436-4451.	1.6	28
32	The high-Eddington NLS1 Ark 564 has the coolest corona. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3489-3498.	1.6	62
33	Driving extreme variability: Measuring the evolving coronâ” and evidence for jet launching in AGN. Astronomische Nachrichten, 2016, 337, 557-562.	0.6	3
34	The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121.	13.7	348
35	The ASTRO-H (Hitomi) x-ray astronomy satellite. Proceedings of SPIE, 2016, , .	0.8	47
36	Towards modelling X-ray reverberation in AGN: piecing together the extended corona. Monthly Notices of the Royal Astronomical Society, 2016, 458, 200-225.	1.6	71

#	ARTICLE	IF	CITATIONS
37	Driving extreme variability: the evolving corona and evidence for jet launching in Markarian 335. Monthly Notices of the Royal Astronomical Society, 2015, 449, 129-146.	1.6	92
38	The Comptonization of accretion disc X-ray emission: consequences for X-ray reflection and the geometry of AGN coronae. Monthly Notices of the Royal Astronomical Society, 2015, 448, 703-712.	1.6	69
39	Modelling the extreme X-ray spectrum of IRAS 13224 $\hat{\sim}$ 3809. Monthly Notices of the Royal Astronomical Society, 2015, 446, 759-769.	1.6	42
40	Flaring from the supermassive black hole in Mrk 335 studied with <i>Swift</i> and <i>NuSTAR</i> . Monthly Notices of the Royal Astronomical Society, 2015, 454, 4440-4451.	1.6	60
41	Suzaku observations of Mrk 335: confronting partial covering and relativistic reflection. Monthly Notices of the Royal Astronomical Society, 2015, 446, 633-650.	1.6	62
42	The ASTRO-H X-ray astronomy satellite. Proceedings of SPIE, 2014, , .	0.8	45
43	Modelling the broad Fe K $\hat{\pm}$ reverberation in the AGN NGC 4151. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2980-2994.	1.6	112
44	Caught in the act: measuring the changes in the corona that cause the extreme variability of 1H \hat{A} 0707 $\hat{\sim}$ 495. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2746-2756.	1.6	35
45	On the determination of the spin and disc truncation of accreting black holes using X-ray reflection. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2307-2313.	1.6	79
46	The NuSTAR spectrum of Mrk 335: extreme relativistic effects within two gravitational radii of the event horizon?. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1723-1732.	1.6	110
47	X-ray reverberation around accreting black holes. Astronomy and Astrophysics Review, 2014, 22, 1.	9.1	322
48	Long XMM observation of the narrow-line Seyfert 1 galaxy IRAS 13224 $\hat{\sim}$ 3809: rapid variability, high spin and a soft lag. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2917-2923.	1.6	103
49	The origin of the lag spectra observed in AGN: Reverberation and the propagation of X-ray source fluctuations. Monthly Notices of the Royal Astronomical Society, 2013, 430, 247-258.	1.6	86
50	Discovery of high-frequency iron K lags in Ark 564 and Mrk 335. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1129-1137.	1.6	111
51	The closest look at 1H \hat{A} 0707 $\hat{\sim}$ 495: X-ray reverberation lags with 1.3 Ms of data. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2795-2804.	1.6	87
52	On the determination of the spin of the black hole in Cyg X-1 from X-ray reflection spectra. Monthly Notices of the Royal Astronomical Society, 2012, 424, 217-223.	1.6	117
53	Understanding X-ray reflection emissivity profiles in AGN: locating the X-ray source. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1284-1296.	1.6	192
54	Determination of the X-ray reflection emissivity profile of 1H \hat{A} 0707-495. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1269-1277.	1.6	103