Marek Gierlinski

List of Publications by Year
in descending order

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71 papers	7,059 citations	61984 43 h-index	91884 69 g-index
76 all docs	76 docs citations	76 times ranked	7324 citing authors

#	Article	IF	Citations
1	Modelling the behaviour of accretion flows in X-ray binaries. Astronomy and Astrophysics Review, 2007, 15, 1-66.	25.5	925
2	How many biological replicates are needed in an RNA-seq experiment and which differential expression tool should you use?. Rna, 2016, 22, 839-851.	3.5	622
3	Is the soft excess in active galactic nuclei real?. Monthly Notices of the Royal Astronomical Society, 2004, 349, L7-L11.	4.4	350
4	A Quantitative Spatial Proteomics Analysis of Proteome Turnover in Human Cells. Molecular and Cellular Proteomics, 2012, 11, M111.011429.	3.8	332
5	High-Resolution Whole-Genome Sequencing Reveals That Specific Chromatin Domains from Most Human Chromosomes Associate with Nucleoli. Molecular Biology of the Cell, 2010, 21, 3735-3748.	2.1	274
6	A periodicity of â¼1â€‰hour in X-ray emission from the active galaxy RE J1034+396. Nature, 2008, 455, 369-371	27.8	237
7	GX 339â’4: the distance, state transitions, hysteresis and spectral correlations. Monthly Notices of the Royal Astronomical Society, 2004, 351, 791-807.	4.4	232
8	Radiative Processes, Spectral States and Variability of Black-Hole Binaries. Progress of Theoretical Physics Supplement, 2004, 155, 99-119.	0.1	229
9	On the nature of the X-ray emission from the accreting millisecond pulsar SAX J1808.4-3658. Monthly Notices of the Royal Astronomical Society, 2003, 343, 1301-1311.	4.4	220
10	Black hole accretion discs: reality confronts theory. Monthly Notices of the Royal Astronomical Society, 2004, 347, 885-894.	4.4	171
11	Broad-band X-ray/Î³-ray spectra and binary parameters of GX 339â€“4 and their astrophysical implications. Monthly Notices of the Royal Astronomical Society, 1998, 301, 435-450.	4.4	168
12	Kinetochores Coordinate Pericentromeric Cohesion and Early DNA Replication by Cdc7-Dbf4 Kinase Recruitment. Molecular Cell, 2013, 50, 661-674.	9.7	140
13	Tmem79/Matt is the matted mouse gene and is a predisposing gene for atopic dermatitis in human subjects. Journal of Allergy and Clinical Immunology, 2013, 132, 1121-1129.	2.9	135
14	X-ray irradiation in XTE J1817â’330 and the inner radius of the truncated disc in the hard state. Monthly Notices of the Royal Astronomical Society, 2008, 388, 753-760.	4.4	128
15	Observing the effects of the event horizon in black holes. Monthly Notices of the Royal Astronomical Society, 2003, 342, 1041-1055.	4.4	126
16	Reprocessing of X-rays in the outer accretion disc of the black hole binary XTE J1817â’330. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1106-1114.	4.4	122
17	GRS 1915+105: the brightest Galactic black hole. Monthly Notices of the Royal Astronomical Society, 2004, 349, 393-403.	4.4	119
18	Live imaging of nascent RNA dynamics reveals distinct types of transcriptional pulse regulation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7350-7355.	7.1	111

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19	Correlation between the photon index and X-ray luminosity of black hole X-ray binaries and active galactic nuclei: observations and interpretation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1692-1704.	4.4	103
20	Physics of accretion in the millisecond pulsar XTE J1751â€ƒâ€ƒ305. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1261-1276.	4.4	85
21	Application of a relativistic accretion disc model to X-ray spectra of LMC X-1 and GRO J1655-40. Monthly Notices of the Royal Astronomical Society, 2001, 325, 1253-1265.	4.4	84
22	Black hole spin in GRS 1915+105. Monthly Notices of the Royal Astronomical Society, 2006, 373, 1004-1012.	4.4	84
23	Thermal proteome profiling of breast cancer cells reveals proteasomal activation by <scp>CDK</scp> 4/6 inhibitor palbociclib. EMBO Journal, 2018, 37, .	7.8	84
24	The X-ray spectrum of the atoll source 4U 1608--52. Monthly Notices of the Royal Astronomical Society, 2002, 337, 1373-1380.	4.4	82
25	Phase-resolved X-ray spectroscopy of the millisecond pulsar SAX J1808.4â€“3658. Monthly Notices of the Royal Astronomical Society, 2002, 331, 141-153.	4.4	81
26	Triggering MSR1 promotes JNKâ€mediated inflammation in ILâ€4â€activated macrophages. EMBO Journal, 2019, 38, .	7.8	78
27	Patterns of energy-dependent variability from Comptonization. Monthly Notices of the Royal Astronomical Society, 2005, 363, 1349-1360.	4.4	77
28	Statistical models for RNA-seq data derived from a two-condition 48-replicate experiment. Bioinformatics, 2015, 31, 3625-3630.	4.1	76
29	RE J1034+396: the origin of the soft X-ray excess and quasi-periodic oscillation. Monthly Notices of the Royal Astronomical Society, 2009, 394, 250-260.	4.4	75
30	Analysing the atolls: X-ray spectral transitions of accreting neutron stars. Monthly Notices of the Royal Astronomical Society, 2007, 378, 13-22.	4.4	71
31	Truncated disc versus extremely broad iron line in XTE J1650--500. Monthly Notices of the Royal Astronomical Society, 2006, 367, 659-668.	4.4	70
32	Highâ€resolution quantitative proteome analysis reveals substantial differences between phagosomes of RAW 264.7 and bone marrow derived macrophages. Proteomics, 2015, 15, 3169-3174.	2.2	65
33	X-ray spectral transitions of black holes from RXTE All-Sky Monitor. Monthly Notices of the Royal Astronomical Society, 2006, 370, 837-844.	4.4	61
34	The X-ray/Â-ray spectrum of XTE J1550-564 in the very high state. Monthly Notices of the Royal Astronomical Society, 2003, 342, 1083-1092.	4.4	60
35	Stochastic association of neighboring replicons creates replication factories in budding yeast. Journal of Cell Biology, 2013, 202, 1001-1012.	5.2	59
36	A comment on the colour-colour diagrams of low-mass X-ray binaries. Monthly Notices of the Royal Astronomical Society, 2002, 331, L47-L50.	4.4	58

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37	X-ray and Â-ray spectra and variability of the black hole candidate GX 339--4. Monthly Notices of the Royal Astronomical Society, 2002, 337, 829-839.	4.4	57
38	Quantitative Proteome Analysis of Temporally Resolved Phagosomes Following Uptake Via Key Phagocytic Receptors. Molecular and Cellular Proteomics, 2015, 14, 1334-1349.	3.8	56
39	Spectral and temporal properties of Compton scattering by mildly relativistic thermal electrons. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5234-5246.	4.4	56
40	Scaling variability from stellar to supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2005, 364, 208-216.	4.4	55
41	An absorption origin for the soft excess in Seyfert 1 active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2007, 381, 1426-1436.	4.4	55
42	GRS 1915+105: the distance, radiative processes and energy-dependent variability. Monthly Notices of the Royal Astronomical Society, 2005, 360, 825-838.	4.4	54
43	Neural differentiation, selection and transcriptomic profiling of human neuromesodermal progenitors-like cells in vitro. Development (Cambridge), 2018, 145, .	2.5	48
44	High-frequency X-ray variability as a mass estimator of stellar and supermassive black holes. Monthly Notices of the Royal Astronomical Society, 0, 383, 741-749.	4.4	47
45	The superorbital variability and triple nature of the X-ray source 4U 1820-303. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1006-1016.	4.4	45
46	Kinetochore-Dependent Microtubule Rescue Ensures Their Efficient and Sustained Interactions in Early Mitosis. Developmental Cell, 2011, 21, 920-933.	7.0	40
47	Simulated spectral states of active galactic nuclei and observational predictions. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2259-2268.	4.4	40
48	Compton scattering as the explanation of the peculiar X-ray properties of Cyg X-3. Monthly Notices of the Royal Astronomical Society, 2010, 402, 767-775.	4.4	39
49	The Seyfert AGN RX J0136.9â€“3510 and the spectral state of super Eddington accretion flows. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 398, L16-L20.	3.3	35
50	Evaluation of the Diagnostic Accuracy of Prototype Rapid Tests for Human African Trypanosomiasis. PLoS Neglected Tropical Diseases, 2014, 8, e3373.	3.0	34
51	Discovery of powerful millisecond flares from Cygnus X-1. Monthly Notices of the Royal Astronomical Society, 2003, 343, L84-L88.	4.4	32
52	Correlated Timing and Spectral Behavior of 4U 1705â˜44. Astrophysical Journal, 2003, 583, 416-423.	4.5	29
53	Consistency of the black hole mass determination in AGN from the reverberation and the X-ray excess variance method. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1534-1540.	4.4	29
54	Global ubiquitylation analysis of mitochondria in primary neurons identifies endogenous Parkin targets following activation of PINK1. Science Advances, 2021, 7, eabj0722.	10.3	29

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55	What can we learn about quasars from Î±_{OX}measurements in Galactic black hole binaries?. Monthly Notices of the Royal Astronomical Society, 2009, 394, 1640-1648.	4.4	26
56	Wnt regulates amino acid transporter Slc7a5 and so constrains the integrated stress response in mouse embryos. EMBO Reports, 2020, 21, e48469.	4.5	26
57	Dependence of the orbital modulation of X-rays from 4U 1820-303 on the accretion rate. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1017-1023.	4.4	25
58	EMSY expression affects multiple components of the skin barrier with relevance to atopic dermatitis. Journal of Allergy and Clinical Immunology, 2019, 144, 470-481.	2.9	23
59	Acute depletion of the ARID1A subunit of SWI/SNF complexes reveals distinct pathways for activation and repression of transcription. Cell Reports, 2021, 37, 109943.	6.4	23
60	Molecular mechanisms facilitating the initial kinetochore encounter with spindle microtubules. Journal of Cell Biology, 2017, 216, 1609-1622.	5.2	20
61	Proteome-wide analysis of protein abundance and turnover remodelling during oncogenic transformation of human breast epithelial cells. Wellcome Open Research, 2018, 3, 51.	1.8	18
62	Distinct signals and immune cells drive liver pathology and glomerulonephritis in ABIN1[D485N] mice. Life Science Alliance, 2019, 2, e201900533.	2.8	17
63	Live imaging of marked chromosome regions reveals their dynamic resolution and compaction in mitosis. Journal of Cell Biology, 2019, 218, 1531-1552.	5.2	16
64	High resolution imaging reveals heterogeneity in chromatin states between cells that is not inherited through cell division. BMC Cell Biology, 2016, 17, 33.	3.0	14
65	Spectral Transitions in X-Ray Binaries. Progress of Theoretical Physics Supplement, 2004, 155, 9-18.	0.1	11
66	How well do RNA-Seq differential gene expression tools perform in a complex eukaryote? A case study in Arabidopsis thaliana. Bioinformatics, 2019, 35, 3372-3377.	4.1	9
67	Modelling the pulse profiles of accreting millisecond pulsars and X-ray bursters. Nuclear Physics, Section B, Proceedings Supplements, 2004, 132, 640-643.	0.4	6
68	Accretion in Strong Gravity: from Galactic to Supermassive Black Holes. Astrophysics and Space Science, 2005, 300, 167-175.	1.4	4
69	ACCRETION-JET MODEL FOR THE HARD X-ray Î“ - LXCORRELATION IN BLACK HOLE X-ray BINARIES. Publications of the Korean Astronomical Society, 2015, 30, 565-568.	0.0	3
70	Mechanisms mitigating problems with multiple kinetochores on one microtubule in early mitosis. Journal of Cell Science, 2017, 130, 2266-2276.	2.0	2
71	The superorbital variability and triple nature of the X-ray source 4U 1820â€“303. AIP Conference Proceedings, 2008, , .	0.4	0