

Michiel van der Klis

List of Publications by Year in descending order

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41
papers

3,829
citations

218677

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docs citations

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1639
citing authors

#	ARTICLE	IF	CITATIONS
1	A millisecond pulsar in an X-ray binary system. <i>Nature</i> , 1998, 394, 344-346.	27.8	575
2	A Unified Description of the Timing Features of Accreting X-ray Binaries. <i>Astrophysical Journal</i> , 2002, 572, 392-406.	4.5	422
3	Rapid X-ray variability. , 2006, , 39-112.		339
4	Correlations in Quasi-periodic Oscillation and Noise Frequencies among Neutron Star and Black Hole X-ray Binaries. <i>Astrophysical Journal</i> , 1999, 520, 262-270.	4.5	288
5	Formation and evolution of compact stellar X-ray sources. , 2006, , 623-666.		272
6	The Broadband Power Spectra of X-ray Binaries. <i>Astrophysical Journal</i> , 1999, 514, 939-944.	4.5	235
7	The Long-term Evolution of the Spin, Pulse Shape, and Orbit of the Accretion-powered Millisecond Pulsar SAX J1808.4-3658. <i>Astrophysical Journal</i> , 2008, 675, 1468-1486.	4.5	163
8	A quasi-periodic modulation of the iron line centroid energy in the black hole binary H1743-322. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1967-1980.	4.4	137
9	The Atoll Source States of 4U 1608-52. <i>Astrophysical Journal</i> , 2003, 596, 1155-1176.	4.5	120
10	A Multi-Lorentzian Timing Study of the Atoll Sources 4U 0614+09 and 4U 1728-34. <i>Astrophysical Journal</i> , 2002, 568, 912-930.	4.5	111
11	Relations between Timing Features and Colors in Accreting Millisecond Pulsars. <i>Astrophysical Journal</i> , 2005, 619, 455-482.	4.5	82
12	Strong Correlation between Noise Features at Low Frequency and the Kilohertz Quasi-Periodic Oscillations in the X-Ray Binary 4U 1728-34. <i>Astrophysical Journal</i> , 1998, 506, L39-L42.	4.5	79
13	A DECADE OF TIMING AN ACCRETION-POWERED MILLISECOND PULSAR: THE CONTINUING SPIN DOWN AND ORBITAL EVOLUTION OF SAX J1808.4-3658. <i>Astrophysical Journal</i> , 2009, 702, 1673-1678.	4.5	74
14	Discovery of Kilohertz Quasi-periodic Oscillations in GX 17+2. <i>Astrophysical Journal</i> , 1997, 490, L157-L160.	4.5	73
15	Chandra Observation of the Globular Cluster NGC 6440 and the Nature of Cluster X-ray Luminosity Functions. <i>Astrophysical Journal</i> , 2002, 573, 184-190.	4.5	70
16	Disk, Corona, Jet Connection in the Intermediate State of MAXI J1820+070 Revealed by NICER Spectral-timing Analysis. <i>Astrophysical Journal Letters</i> , 2021, 910, L3.	8.3	57
17	Phase-resolved spectroscopy of low-frequency quasi-periodic oscillations in GRS 1915+105. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 3516-3525.	4.4	56
18	1 Hz FLARING IN SAX J1808.4-3658: FLOW INSTABILITIES NEAR THE PROPELLER STAGE. <i>Astrophysical Journal</i> , 2009, 707, 1296-1309.	4.5	55

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19	Discovery of Kilohertz Quasi-Periodic Oscillations and Shifted Frequency Correlations in the Accreting Millisecond Pulsar XTE J1807-294. <i>Astrophysical Journal</i> , 2005, 634, 1250-1260.	4.5	55
20	ACCELERATED ORBITAL EXPANSION AND SECULAR SPIN-DOWN OF THE ACCRETING MILLISECOND PULSAR SAX J1808.4-3658. <i>Astrophysical Journal Letters</i> , 2012, 746, L27.	8.3	51
21	[ITAL]Chandra[/ITAL] Observations of the Anomalous X-Ray Pulsar 1E 2259+586. <i>Astrophysical Journal</i> , 2001, 563, L45-L48.	4.5	50
22	AN ALTERNATIVE INTERPRETATION OF THE TIMING NOISE IN ACCRETING MILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2009, 698, L60-L63.	4.5	49
23	The Erratic Luminosity Behavior of SAX J1808.4-3658 during Its 2000 Outburst. <i>Astrophysical Journal</i> , 2001, 560, 892-896.	4.5	48
24	The Broadband Power Spectrum of SAX J1808.4-3658. <i>Astrophysical Journal</i> , 1998, 507, L63-L66.	4.5	47
25	PHASE-COHERENT TIMING OF THE ACCRETING MILLISECOND PULSAR SAX J1748.9-2021. <i>Astrophysical Journal</i> , 2009, 690, 1856-1865.	4.5	41
26	Multi-time-scale X-ray reverberation mapping of accreting black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4027-4042.	4.4	36
27	Radio Pulse Search and X-Ray Monitoring of SAX J1808.4-3658: What Causes Its Orbital Evolution?. <i>Astrophysical Journal</i> , 2017, 841, 98.	4.5	33
28	ACCRETION TORQUES AND MOTION OF THE HOT SPOT ON THE ACCRETING MILLISECOND PULSAR XTE J1807-294. <i>Astrophysical Journal</i> , 2010, 717, 1253-1261.	4.5	31
29	The NICER "Reverberation Machine": A Systematic Study of Time Lags in Black Hole X-Ray Binaries. <i>Astrophysical Journal</i> , 2022, 930, 18.	4.5	28
30	An Accreting Millisecond Pulsar with Black Hole-like X-Ray Variability: IGR J00291+5934. <i>Astrophysical Journal</i> , 2007, 660, 595-604.	4.5	24
31	PULSE AMPLITUDE DEPENDS ON kHz QPO FREQUENCY IN THE ACCRETING MILLISECOND PULSAR SAX J1808.4-3658. <i>Astrophysical Journal Letters</i> , 2015, 798, L29.	8.3	21
32	THE APERIODIC X-RAY VARIABILITY OF THE ACCRETING MILLISECOND PULSAR SAX J1808.4-3658. <i>Astrophysical Journal</i> , 2015, 806, 90.	4.5	19
33	DETECTION OF VERY LOW-FREQUENCY, QUASI-PERIODIC OSCILLATIONS IN THE 2015 OUTBURST OF V404 CYGNI. <i>Astrophysical Journal</i> , 2017, 834, 90.	4.5	18
34	Testing the relativistic precession model using low-frequency and kHz quasi-periodic oscillations in neutron star low-mass X-ray binaries with known spin. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 3581-3606.	4.4	16
35	Timing and Spectral Properties of the Accreting Millisecond Pulsar SWIFT J1756.9-2508. <i>Astrophysical Journal</i> , 2008, 677, 515-519.	4.5	14
36	DISCOVERY OF 1-5 Hz FLARING AT HIGH LUMINOSITY IN SAX J1808.4-3658. <i>Astrophysical Journal</i> , 2014, 789, 99.	4.5	10

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37	ARE SPECTRAL AND TIMING CORRELATIONS SIMILAR IN DIFFERENT SPECTRAL STATES IN BLACK HOLE X-RAY BINARIES?. <i>Astrophysical Journal</i> , 2015, 802, 23.	4.5	8
38	Results of Ginga/ROSAT Simultaneous Observation of the X-Ray Burst Source 1735-444. <i>Astrophysical Journal</i> , 1997, 479, 398-407.	4.5	7
39	SWIFT X-RAY TELESCOPE STUDY OF THE BLACK HOLE BINARY MAXI J1659-152: VARIABILITY FROM A TWO COMPONENT ACCRETION FLOW. <i>Astrophysical Journal</i> , 2015, 808, 144.	4.5	7
40	COHERENT TIMING OF THE ACCRETING MILLISECOND PULSAR NGC 6440 X-2. <i>Astrophysical Journal</i> , 2015, 814, 138.	4.5	6
41	Quasi-periodic Pulse Amplitude Modulation in the Accreting Millisecond Pulsar IGR J00291+5934. <i>Astrophysical Journal</i> , 2017, 845, 124.	4.5	2