

Koji Mukai

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,190
citations

361296

20
h-index

395590

33
g-index

51
all docs

51
docs citations

51
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Classifying IGR J18007-4146 as an intermediate polar using <i>XMM</i> and <i>NuSTAR</i> . Monthly Notices of the Royal Astronomical Society, 2022, 511, 4582-4589.	1.6	5
2	Expanding Bipolar X-Ray Structure After the 2006 Eruption of RS Oph. Astrophysical Journal, 2022, 926, 100.	1.6	15
3	The White Dwarf Mass versus X-Ray Temperature Relationship of Dwarf Novae, Revisited. Research Notes of the AAS, 2022, 6, 65.	0.3	1
4	Investigating the Low-flux States in Six Intermediate Polars. Astrophysical Journal, 2022, 928, 164.	1.6	8
5	The first nova eruption in a novalike variable: YZ Ret as seen in X-rays and $\hat{\gamma}$ -rays. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2239-2258.	1.6	9
6	Surveying the X-Ray Behavior of Novae as They Emit $\hat{\gamma}$ -Rays. Astrophysical Journal, 2021, 910, 134.	1.6	25
7	Multiwavelength Properties of the Newly Discovered Dwarf Nova ASASSN-21kt. Research Notes of the AAS, 2021, 5, 182.	0.3	0
8	The Role of Complex Ionized Absorbers in the Soft X-Ray Spectra of Intermediate Polars. Astrophysical Journal, 2021, 919, 90.	1.6	4
9	A Comprehensive X-Ray Report on AT2019wey. Astrophysical Journal, 2021, 920, 121.	1.6	8
10	Galactic Extinction: How Many Novae Does It Hide and How Does It Affect the Galactic Nova Rate?. Astrophysical Journal, 2021, 922, 25.	1.6	9
11	Classical Novae at Radio Wavelengths. Astrophysical Journal, Supplement Series, 2021, 257, 49.	3.0	12
12	Swift/XRT Deep Galactic Plane Survey Discovery of a New Intermediate Polar Cataclysmic Variable, Swift J183920.1-045350. Astrophysical Journal, 2021, 923, 243.	1.6	3
13	X-ray spectroscopy of the $\hat{\gamma}$ -ray brightest nova V906 Car (ASASSN-18fv). Monthly Notices of the Royal Astronomical Society, 2020, 497, 2569-2585.	1.6	15
14	Direct evidence for shock-powered optical emission in a nova. Nature Astronomy, 2020, 4, 776-780.	4.2	58
15	CTCV J2056-3014: An X-Ray-faint Intermediate Polar Harboring an Extremely Fast-spinning White Dwarf. Astrophysical Journal Letters, 2020, 898, L40.	3.0	21
16	Increasing Activity in T CrB Suggests Nova Eruption Is Impending. Astrophysical Journal Letters, 2020, 902, L14.	3.0	12
17	X-ray evolution of the nova V959 Mon suggests a delayed ejection and a non-radiative shock. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2798-2812.	1.6	4
18	Developing the Physical Understanding of Intermediate Polars: An X-Ray Study of TV Col and V2731 Oph. Astrophysical Journal, 2019, 880, 128.	1.6	10

#	ARTICLE	IF	CITATIONS
19	TESS Hunt for Young and Maturing Exoplanets (THYME): A Planet in the 45 Myr Tucanaâ€“Horologium Association. <i>Astrophysical Journal Letters</i> , 2019, 880, L17.	3.0	110
20	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. <i>Astronomical Journal</i> , 2019, 158, 32.	1.9	93
21	T CrB: Radio Observations during the 2016â€“2017 â€œSuper-activeâ€“State. <i>Astrophysical Journal</i> , 2019, 884, 8.	1.6	3
22	The new science of novae. <i>Physics Today</i> , 2019, 72, 38-44.	0.3	7
23	Dissecting a Disk-instability Outburst in a Symbiotic Star: NuSTAR and Swift Observations of T Coronae Borealis during the Rise to the â€œSuperactiveâ€“State. <i>Astrophysical Journal</i> , 2019, 880, 94.	1.6	7
24	NuSTAR Detection of X-Rays Concurrent with Gamma-Rays in the Nova V5855 Sgr. <i>Astrophysical Journal</i> , 2019, 872, 86.	1.6	22
25	Fast-cadence TESS Photometry and Doppler Tomography of the Asynchronous Polar CD Ind: A Revised Accretion Geometry from Newly Proposed Spin and Orbital Periods. <i>Astrophysical Journal</i> , 2019, 881, 141.	1.6	18
26	Unconventional origin of supersoft X-ray emission from a white dwarf binary. <i>Nature Astronomy</i> , 2019, 3, 173-177.	4.2	4
27	A Detailed Observational Analysis of V1324 Sco, the Most Gamma-Ray-luminous Classical Nova to Date. <i>Astrophysical Journal</i> , 2018, 852, 108.	1.6	28
28	Constraining the Accretion Geometry of the Intermediate Polar EX Hya Using NuSTAR, Swift, and Chandra Observations. <i>Astrophysical Journal Letters</i> , 2018, 852, L8.	3.0	11
29	Detection of polarized gamma-ray emission from the Crab nebula with the Hitomi Soft Gamma-ray Detector. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	21
30	Search for thermal X-ray features from the Crab nebula with the Hitomi soft X-ray spectrometer. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	8
31	Glimpse of the highly obscured HMXB IGRâ€“J16318â€“4848 with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	4
32	SU Lyn: Diagnosing the Boundary Layer with UV and Hard X-Ray Data. <i>Astrophysical Journal</i> , 2018, 864, 46.	1.6	8
33	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	29
34	Hitomi observation of radio galaxy NGCâ€“1275: The first X-ray microcalorimeter spectroscopy of Fe-K \pm line emission from an active galactic nucleus. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	27
35	Temperature structure in the Perseus cluster core observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	20
36	The Peculiar Multiwavelength Evolution Of V1535 Sco. <i>Astrophysical Journal</i> , 2017, 842, 73.	1.6	16

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37	Shock-powered radio emission from V5589 Sagittarii (Nova Sgr 2012 #1). Monthly Notices of the Royal Astronomical Society, 2016, 460, 2687-2697.	1.6	28
38	Non-thermal radio emission from colliding flows in classical nova V1723 Aql. Monthly Notices of the Royal Astronomical Society, 2016, 457, 887-901.	1.6	27
39	UNAMBIGUOUS DETECTION OF REFLECTION IN MAGNETIC CATAclySMIC VARIABLES: JOINT <i>NuSTAR</i> & <i>XMM-NEWTON</i> OBSERVATIONS OF THREE INTERMEDIATE POLARS. Astrophysical Journal Letters, 2015, 807, L30.	3.0	37
40	Periodic eclipse variations in asynchronous polar V1432 Aql: evidence of a shifting threading region. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3107-3120.	1.6	12
41	Constraints on the space density of intermediate polars from the Swift-BAT survey. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2580-2585.	1.6	60
42	THE 2011 OUTBURST OF RECURRENT NOVA T Pyx: X-RAY OBSERVATIONS EXPOSE THE WHITE DWARF MASS AND EJECTION DYNAMICS. Astrophysical Journal, 2014, 788, 130.	1.6	30
43	THE 2011 OUTBURST OF RECURRENT NOVA T PYX: RADIO OBSERVATIONS REVEAL THE EJECTA MASS AND HINT AT COMPLEX MASS LOSS. Astrophysical Journal, 2014, 785, 78.	1.6	33
44	Binary orbits as the driver of β -ray emission and mass ejection in classical novae. Nature, 2014, 514, 339-342.	13.7	90
45	White Dwarf Masses and Accretion Rates of Recurrent Novae: an X-ray Perspective. Proceedings of the International Astronomical Union, 2011, 7, 186-189.	0.0	0
46	EXPANDED VERY LARGE ARRAY NOVA PROJECT OBSERVATIONS OF THE CLASSICAL NOVA V1723 AQUILAE. Astrophysical Journal Letters, 2011, 739, L6.	3.0	20
47	Polarized QPOs from the <i>INTEGRAL</i> polar IGRJ14536-5522 (=Swift J1453.4-5524). Monthly Notices of the Royal Astronomical Society, 2010, 402, 1161-1170.	1.6	38
48	On the iron $K\alpha$ complex in magnetic cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2004, 352, 1037-1040.	1.6	52
49	The Early X-ray Emission from V382 Velorum (Nova Velorum 1999): An Internal Shock Model. Astrophysical Journal, 2001, 551, 1024-1030.	1.6	72
50	Outbursts of EX Hydrae: mass-transfer events or disc instabilities?. Monthly Notices of the Royal Astronomical Society, 2000, 313, 703-710.	1.6	36