

# Domitilla de Martino

## List of Publications by Year in descending order

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128  
papers

17,397  
citations

101543

36  
h-index

20961

115  
g-index

131  
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131  
docs citations

131  
times ranked

12177  
citing authors

#	ARTICLE	IF	CITATIONS
1	An accreting white dwarf displaying fast transitional mode switching. <i>Nature Astronomy</i> , 2022, 6, 98-102.	10.1	11
2	Constraining the evolution of cataclysmic variables via the masses and accretion rates of their underlying white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 6110-6132.	4.4	43
3	Transitional Millisecond Pulsars. <i>Astrophysics and Space Science Library</i> , 2022, , 157-200.	2.7	16
4	Triggering microminor novae through magnetically confined accretion flows in accreting white dwarfs. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 514, L11-L15.	3.0	7
5	Localized thermonuclear bursts from accreting magnetic white dwarfs. <i>Nature</i> , 2022, 604, 447-450.	27.8	10
6	Sensitivity of the Cherenkov Telescope Array to a dark matter signal from the Galactic centre. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 057-057.	5.4	46
7	Optical and ultraviolet pulsed emission from an accreting millisecond pulsar. <i>Nature Astronomy</i> , 2021, 5, 552-559.	10.1	15
8	Evidence of intra-binary shock emission from the redback pulsar PSR J1048+2339. <i>Astronomy and Astrophysics</i> , 2021, 649, A120.	5.1	5
9	Time domain astronomy with the THESEUS satellite. <i>Experimental Astronomy</i> , 2021, 52, 309-406.	3.7	7
10	Simultaneous X-ray and radio observations of the transitional millisecond pulsar candidate CXOU J110926.4â€“650224. <i>Astronomy and Astrophysics</i> , 2021, 655, A52.	5.1	7
11	Hard X-ray cataclysmic variables. <i>Advances in Space Research</i> , 2020, 66, 1209-1225.	2.6	29
12	INTEGRAL View on cataclysmic variables and symbiotic binaries. <i>New Astronomy Reviews</i> , 2020, 91, 101547.	12.8	13
13	<i>Gaia</i> white dwarfs within 40â€“pc â€“ I. Spectroscopic observations of new candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 130-145.	4.4	45
14	Enhanced optical activity 12Âd before X-ray activity, and a 4Âd X-ray delay during outburst rise, in a low-mass X-ray binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3429-3439.	4.4	12
15	The INTEGRAL view of the pulsating hard X-ray sky: from accreting and transitional millisecond pulsars to rotation-powered pulsars and magnetars. <i>New Astronomy Reviews</i> , 2020, 91, 101544.	12.8	8
16	NuSTAR and Parkes observations of the transitional millisecond pulsar binary XSSâ€“J12270â€“4859 in the rotation-powered state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5607-5619.	4.4	9
17	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2020, 637, C3.	5.1	4
18	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2020, 642, C1.	5.1	6

#	ARTICLE	IF	CITATIONS
19	2PBCâ€™J0658.0â€™1746: a hard X-ray eclipsing polar in the orbital period gap. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1044-1053.	4.4	8
20	Pulsating in Unison at Optical and X-Ray Energies: Simultaneous High Time Resolution Observations of the Transitional Millisecond Pulsar PSR J1023+0038. Astrophysical Journal, 2019, 882, 104.	4.5	39
21	The true nature of Swift J0746.3-1608: a possible Intermediate Polar showing accretion state changes. Monthly Notices of the Royal Astronomical Society, 2019, 484, 101-106.	4.4	7
22	Search for multiwavelength emission from the binary millisecond pulsar PSR J1836-2354A in the globular cluster M22. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3992-4000.	4.4	6
23	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2019, 623, A110.	5.1	101
24	Prolonged sub-luminous state of the new transitional pulsar candidate CXOU J110926.4â€™650224. Astronomy and Astrophysics, 2019, 622, A211.	5.1	24
25	A planetesimal orbiting within the debris disc around a white dwarf star. Science, 2019, 364, 66-69.	12.6	131
26	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. Astroparticle Physics, 2019, 111, 35-53.	4.3	35
27	Evidence for mass accretion driven by spiral shocks onto the white dwarf in SDSSâ€™J123813.73â€™033933.0. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1080-1103.	4.4	17
28	Observatory science with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	50
29	The First Orbital Period of a Very Bright and Fast Nova in M31: M31N 2013-01b. Astrophysical Journal, 2018, 866, 125.	4.5	0
30	IGRJ14257â€™6117, a magnetic accreting white dwarf with a very strong strong X-ray orbital modulation. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1185-1192.	4.4	7
31	The THESEUS space mission concept: science case, design and expected performances. Advances in Space Research, 2018, 62, 191-244.	2.6	133
32	Science with e-ASTROGAM. Journal of High Energy Astrophysics, 2018, 19, 1-106.	6.7	177
33	A universal relation for the propeller mechanisms in magnetic rotating stars at different scales. Astronomy and Astrophysics, 2018, 610, A46.	5.1	38
34	The First Continuous Optical Monitoring of the Transitional Millisecond Pulsar PSR J1023+0038 with Kepler. Astrophysical Journal Letters, 2018, 858, L12.	8.3	17
35	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
36	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364

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37	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A12.	5.1	491
38	The e-ASTROGAM gamma-ray space observatory for the multimessenger astronomy of the 2030s. , 2018, , .		6
39	The e-ASTROGAM mission. Experimental Astronomy, 2017, 44, 25-82.	3.7	167
40	<i>XMM-Newton</i> and INTEGRAL view of the hard state of EXO 1745âˆ’248 during its 2015 outburst. Astronomy and Astrophysics, 2017, 603, A39.	5.1	10
41	CXO J004318.8+412016, a steady supersoft X-ray source in M 31. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2212-2224.	4.4	3
42	Effective temperatures of cataclysmic-variable white dwarfs as a probe of their evolution. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2855-2878.	4.4	69
43	Broad-band characteristics of seven new hard X-ray selected cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4815-4837.	4.4	21
44	Hubble COS Spectroscopy of the Dwarf Nova CW Mon: The White Dwarf in Quiescence?<sup>*</sup>. Astronomical Journal, 2017, 154, 48.	4.7	0
45	Multiband study of RXJ0838âˆ’2827 and XMM J083850.4âˆ’282759: a new asynchronous magnetic cataclysmic variable and a candidate transitional millisecond pulsar. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2902-2916.	4.4	21
46	X-ray orbital modulation of a white dwarf accreting from an L dwarf. Astronomy and Astrophysics, 2017, 598, L6.	5.1	14
47	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	5.1	77
48	SPECTROSCOPY FROM THE HUBBLE SPACE TELESCOPE COSMIC ORIGINS SPECTROGRAPHÂ OF THE SOUTHERN NOVA-LIKE BB DORADUS IN AN INTERMEDIATE STATE. Astrophysical Journal, 2016, 833, 146.	4.5	4
49	The<i>Gaia</i> mission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
50	eXTP: Enhanced X-ray Timing and Polarization mission. Proceedings of SPIE, 2016, , .	0.8	106
51	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
52	XIPE: the x-ray imaging polarimetry explorer. , 2016, , .		16
53	The LOFT mission concept: a status update. Proceedings of SPIE, 2016, , .	0.8	9
54	Multiwavelength study of RXJ2015.6+3711: a magnetic cataclysmic variable with a 2-h spin period. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1913-1923.	4.4	7

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55	CW Librae: a unique laboratory for pulsations in an accreting white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3929-3938.	4.4	15
56	Unveiling Accreting White Dwarf Binaries in Hard X-Ray Surveys. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2016, , 257-262.	0.3	0
57	UNAMBIGUOUS DETECTION OF REFLECTION IN MAGNETIC CATAclysmic VARIABLES: JOINT <i>NuSTAR</i> & <i>XMM-NEWTON</i> OBSERVATIONS OF THREE INTERMEDIATE POLARS. <i>Astrophysical Journal Letters</i> , 2015, 807, L30.	8.3	37
58	Swift J201424.9+152930: discovery of a new deeply eclipsing binary with 491-s and 3.4-h modulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1705-1715.	4.4	6
59	Magnetic White Dwarfs. <i>Space Science Reviews</i> , 2015, 191, 111-169.	8.1	231
60	Multiwavelength observations of the transitional millisecond pulsar binary XMMU J122700-4859. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2190-2198.	4.4	38
61	Swift J0525.6+2416 and IGR J04571+4527: two new hard X-ray-selected magnetic cataclysmic variables identified with XMM-Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 3101-3107.	4.4	7
62	X-ray coherent pulsations during a sub-luminous accretion disc state of the transitional millisecond pulsar XMMU J122700-4859. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 449, L26-L30.	3.3	82
63	Swift J2218.4+1925: a new hard-X-ray-selected polar observed with XMM-Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1403-1411.	4.4	13
64	STREGA: STRucture and Evolution of the GALaxy. I. Survey overview and first results.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 3809-3828.	4.4	15
65	Unveiling the redback nature of the low-mass X-ray binary XMMU J1227.0-4859 through optical observations.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 3004-3014.	4.4	47
66	The Large Observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
67	Building galaxies, stars, planets and the ingredients for life between the stars. The science behind the European Ultraviolet-Visible Observatory. <i>Astrophysics and Space Science</i> , 2014, 354, 229-246.	1.4	7
68	On the nature of CP Pup. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 212-221.	4.4	7
69	On the nature of the hard X-ray sources SWIFT J1907.3+2050, IGR J12123+5802 and IGR J19552+0044. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 2822-2834.	4.4	24
70	X-ray follow-ups of XMMU J12270-4859: a low-mass X-ray binary with gamma-ray Fermi-LAT association. <i>Astronomy and Astrophysics</i> , 2013, 550, A89.	5.1	102
71	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012, 34, 415-444.	3.7	168
72	LOFT: the Large Observatory For X-ray Timing. <i>Proceedings of SPIE</i> , 2012, , .	0.8	29

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73	Characterization of new hard X-ray cataclysmic variables. <i>Astronomy and Astrophysics</i> , 2012, 542, A22.	5.1	58
74	A Far-Ultraviolet Spectroscopic Analysis of BZ Ursae Majoris. <i>Publications of the Astronomical Society of the Pacific</i> , 2011, 123, 1071-1075.	3.1	3
75	LOFT: a large observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2010, , .	0.8	9
76	Wavelet and <i>R/S</i> analysis of the X-ray flickering of cataclysmic variables. <i>Astronomy and Astrophysics</i> , 2010, 519, A69.	5.1	13
77	DISCOVERY OF A NOVA-LIKE CATAclySMIC VARIABLE IN THE <i>KEPLER MISSION</i> FIELD. <i>Astronomical Journal</i> , 2010, 139, 2587-2594.	4.7	8
78	SPIN PERIODICITY MEASUREMENTS OF WHITE DWARFS HOSTED IN SOUTHERN HARD X-RAY INTERMEDIATE POLAR CANDIDATES. <i>International Journal of Modern Physics D</i> , 2010, 19, 797-803.	2.1	0
79	Magnetic Accreting White Dwarfs in the XMM-Newton Era. , 2010, , .		0
80	The intriguing nature of the high-energy gamma ray source XSS J12270-4859. <i>Astronomy and Astrophysics</i> , 2010, 515, A25.	5.1	82
81	Broad-band properties of the hard X-ray cataclysmic variables IGR J00234+6141 and 1RXS J213344.1+510725. <i>Astronomy and Astrophysics</i> , 2009, 501, 1047-1058.	5.1	23
82	Exploring the Hard and Soft X-ray Emission of Magnetic Cataclysmic Variables. , 2009, , .		0
83	Stellar and galactic environment survey (SAGE). <i>Astrophysics and Space Science</i> , 2009, 320, 231-238.	1.4	1
84	UV observations of Cataclysmic Variables. <i>Astrophysics and Space Science</i> , 2009, 320, 135-140.	1.4	7
85	Stellar And Galactic Environment survey (SAGE). <i>Experimental Astronomy</i> , 2009, 23, 169-191.	3.7	3
86	SDSS unveils a population of intrinsically faint cataclysmic variables at the minimum orbital period. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 2170-2188.	4.4	201
87	NEW X-RAY OBSERVATIONS OF THE OLD NOVA CP PUPPIS AND OF THE MORE RECENT NOVA V351 PUPPIS. <i>Astrophysical Journal</i> , 2009, 690, 1753-1763.	4.5	10
88	Analysis of the white-light flickering of the intermediate polar V709 Cassiopeiae with wavelets and Hurst analysis. <i>Astronomy and Astrophysics</i> , 2009, 502, 1-5.	5.1	7
89	1RXS J173021.5-055933: a cataclysmic variable with a fast-spinning magnetic white dwarf. <i>Astronomy and Astrophysics</i> , 2008, 481, 149-159.	5.1	30
90	Two new intermediate polars with a soft X-ray component. <i>Astronomy and Astrophysics</i> , 2008, 489, 1243-1254.	5.1	43

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91	X-ray properties of new magnetic Cataclysmic Variables. , 2007, , .		0
92	IGR J00234+6141: a new INTEGRAL source identified as an intermediate polar. Astronomy and Astrophysics, 2007, 473, 185-189.	5.1	22
93	SDSS J233325.92+152222.1 and the evolution of intermediate polars. Monthly Notices of the Royal Astronomical Society, 2007, 378, 635-640.	4.4	27
94	The long period intermediate polar 1RXS J154814.5-452845. Astronomy and Astrophysics, 2006, 449, 1151-1160.	5.1	29
95	RX J2133.7+5107: identification of a new long period Intermediate Polar. Astronomy and Astrophysics, 2006, 445, 1037-1040.	5.1	15
96	The X-ray properties of the magnetic cataclysmic variable UU Columbae. Astronomy and Astrophysics, 2006, 454, 287-294.	5.1	23
97	A ZZ Ceti white dwarf in SDSS J133941.11+484727.5. Monthly Notices of the Royal Astronomical Society, 2006, 365, 969-976.	4.4	40
98	VLT/FORS spectroscopy of faint cataclysmic variables discovered by the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2006, 373, 687-699.	4.4	42
99	Ultraviolet Studies Of Interacting Binaries. Astrophysics and Space Science, 2006, 303, 53-68.	1.4	2
100	Fundamental Problems in Astrophysics. Astrophysics and Space Science, 2006, 303, 133-145.	1.4	2
101	Fundamental Problems in Astrophysics. , 2006, , 133-145.		1
102	Ultraviolet Studies of Interacting Binaries. , 2006, , 53-68.		0
103	Far-Ultraviolet Spectroscopy of Magnetic Cataclysmic Variables. Astrophysical Journal, 2005, 622, 589-601.	4.5	88
104	First detections of the cataclysmic variable AE Aquarii in the near to far infrared with ISO and IRAS: Investigating the various possible thermal and non-thermal contributions. Astronomy and Astrophysics, 2005, 433, 1063-1077.	5.1	7
105	X-ray confirmation of the intermediate polar HT Cam. Astronomy and Astrophysics, 2005, 437, 935-945.	5.1	25
106	BeppoSAX observations of soft X-ray intermediate polars. Astronomy and Astrophysics, 2004, 415, 1009-1019.	5.1	43
107	X-ray/optical observations of A0535+26/HDE 245770 in quiescence. Nuclear Physics, Section B, Proceedings Supplements, 2004, 132, 476-485.	0.4	24
108	The X-ray emission of Intermediate Polars: the BeppoSAX view and the role of current missions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 132, 693-696.	0.4	9

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109	A 150 MG Magnetic White Dwarf in the Cataclysmic Variable RX J1554.2+2721. <i>Astrophysical Journal</i> , 2004, 613, L141-L144.	4.5	17
110	X-ray observations of 4 Draconis: symbiotic binary or cataclysmic triple?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 346, 855-860.	4.4	14
111	Anomalous Ultraviolet Line Flux Ratios in the Cataclysmic Variables 1RXS J232953.9+062814, CE 315, BZ Ursae Majoris, and EY Cygni, Observed with the Hubble Space Telescope Space Telescope Imaging Spectrograph. <i>Astrophysical Journal</i> , 2003, 594, 443-448.	4.5	101
112	The surprising Far-UV spectrum of the polar BY Camelopardalis. <i>Astronomy and Astrophysics</i> , 2003, 401, 1071-1076.	5.1	14
113	Rapid variability of accretion in AM Herculis. <i>Astronomy and Astrophysics</i> , 2002, 396, 213-217.	5.1	8
114	Multiwavelength monitoring of QS Tel. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 322, 631-642.	4.4	12
115	A model for the optical high state light curve of AM Herculis. <i>Astronomy and Astrophysics</i> , 2001, 372, 557-562.	5.1	21
116	IUE and ISO observations of the bipolar proto-planetary nebula Hen 401 (IRAS 10178-5958). <i>Astronomy and Astrophysics</i> , 2001, 376, 941-949.	5.1	6
117	The X-ray emission of the intermediate polar V 709 Cas. <i>Astronomy and Astrophysics</i> , 2001, 377, 499-511.	5.1	37
118	BeppoSAX observations of AM Her type stars. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 69, 368-371.	0.4	0
119	The broad-band X-ray spectrum of RE 0751+14 (PQ Gem). <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 69, 372-375.	0.4	1
120	The equatorial disc of the Be star X Persei. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 296, 785-799.	4.4	50
121	AR Ursae Majoris: The First High Field Magnetic Cataclysmic Variable. <i>Astrophysical Journal</i> , 1996, 473, 483-493.	4.5	44
122	Multifrequency observations of KAZ 102 during the ROSAT all-sky survey. <i>Astrophysical Journal</i> , 1995, 442, 589.	4.5	7
123	The RIASS coronation: Joint X-ray and ultraviolet observations of normal F-K stars. <i>Astrophysical Journal, Supplement Series</i> , 1995, 96, 223.	7.7	79
124	Spin-resolved optical CCD spectroscopy and photometry of BG Canis Minoris. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 267, 1095-1102.	4.4	4
125	X-ray variability in transient X-ray sources. <i>Il Nuovo Cimento Della Societ� Italiana Di Fisica C</i> , 1990, 13, 471-479.	0.2	0
126	Fourteen years of multifrequency-coordinated observations of the X-ray/Be system A 0535+26/HDE 245770. <i>Astrophysics and Space Science</i> , 1990, 169, 139-145.	1.4	3



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127	Coordinated X-ray and ultraviolet observations of the intermediate polar H2215-086. <i>Advances in Space Research</i> , 1988, 8, 309-314.	2.6	0
128	Orbital periods of cataclysmic variables identified by the SDSS - II. Measurements for six objects, including two eclipsing systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 382, 1145-1157.	4.4	27