

# Domitilla de Martino

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124  
papers

12,862  
citations

31  
h-index

113  
g-index

131  
ext. papers

15,242  
ext. citations

5.1  
avg. IF

4.73  
L-index

#	Paper	IF	Citations
124	Transitional Millisecond Pulsars. <i>Astrophysics and Space Science Library</i> , <b>2022</b> , 157-200	0.3	1
123	Localized thermonuclear bursts from accreting magnetic white dwarfs.. <i>Nature</i> , <b>2022</b> , 604, 447-450	50.4	2
122	Time domain astronomy with the THESEUS satellite. <i>Experimental Astronomy</i> , <b>2021</b> , 1	1.3	2
121	Simultaneous X-ray and radio observations of the transitional millisecond pulsar candidate CXOU J110926.4B50224. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 655, A52	5.1	1
120	Evidence of intra-binary shock emission from the redback pulsar PSR J1048+2339. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A120	5.1	2
119	Sensitivity of the Cherenkov Telescope Array to a dark matter signal from the Galactic centre. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2021</b> , 2021, 057-057	6.4	9
118	Optical and ultraviolet pulsed emission from an accreting millisecond pulsar. <i>Nature Astronomy</i> , <b>2021</b> , 5, 552-559	12.1	4
117	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> , <b>2020</b> , 91, 101544	7.9	4
116	NuSTAR and Parkes observations of the transitional millisecond pulsar binary XSS J122700-859 in the rotation-powered state. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 5607-5619	4.3	6
115	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 637, C3	5.1	4
114	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 642, C1	5.1	5
113	Hard X-ray cataclysmic variables. <i>Advances in Space Research</i> , <b>2020</b> , 66, 1209-1225	2.4	17
112	INTEGRAL View on cataclysmic variables and symbiotic binaries. <i>New Astronomy Reviews</i> , <b>2020</b> , 91, 101547	4.7	8
111	Gaia white dwarfs within 40 pc II. Spectroscopic observations of new candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 130-145	4.3	25
110	Enhanced optical activity 12d before X-ray activity, and a 4d X-ray delay during outburst rise, in a low-mass X-ray binary. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 3429-3439	4.3	6
109	The true nature of Swift J0746.3-1608: a possible Intermediate Polar showing accretion state changes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 101-106	4.3	6
108	Search for multiwavelength emission from the binary millisecond pulsar PSR J1836-2354A in the globular cluster M22. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 3992-4000	4.3	3

107	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A110	5.1	62
106	Prolonged sub-luminous state of the new transitional pulsar candidate CXOU J110926.4-50224. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 622, A211	5.1	18
105	A planetesimal orbiting within the debris disc around a white dwarf star. <i>Science</i> , <b>2019</b> , 364, 66-69	33.3	101
104	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. <i>Astroparticle Physics</i> , <b>2019</b> , 111, 35-53	2.4	23
103	Evidence for mass accretion driven by spiral shocks onto the white dwarf in SDSS J123813.73-033933.0. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 1080-1103	4.3	11
102	2PBC J0658.0-1746: a hard X-ray eclipsing polar in the orbital period gap. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 1044-1053	4.3	5
101	Pulsating in Unison at Optical and X-Ray Energies: Simultaneous High Time Resolution Observations of the Transitional Millisecond Pulsar PSR J1023+0038. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 104	4.7	25
100	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2019</b> , 62, 1	3.6	31
99	Science with e-ASTROGAM: A space mission for MeV-GeV gamma-ray astrophysics. <i>Journal of High Energy Astrophysics</i> , <b>2018</b> , 19, 1-106	2.5	101
98	A universal relation for the propeller mechanisms in magnetic rotating stars at different scales. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 610, A46	5.1	25
97	The First Continuous Optical Monitoring of the Transitional Millisecond Pulsar PSR J1023+0038 with Kepler. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 858, L12	7.9	12
96	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A10	5.1	438
95	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A1	5.1	4787
94	The e-ASTROGAM gamma-ray space observatory for the multimessenger astronomy of the 2030s <b>2018</b> ,		1
93	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A12	5.1	384
92	The First Orbital Period of a Very Bright and Fast Nova in M31: M31N 2013-01b. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 125	4.7	
91	IGR J14257-1117, a magnetic accreting white dwarf with a very strong X-ray orbital modulation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 1185-1192	4.3	7
90	The THESEUS space mission concept: science case, design and expected performances. <i>Advances in Space Research</i> , <b>2018</b> , 62, 191-244	2.4	90

89	The e-ASTROGAM mission. <i>Experimental Astronomy</i> , <b>2017</b> , 44, 25-82	1.3	114
88	X-ray orbital modulation of a white dwarf accreting from an L dwarf. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 598, L6	5.1	9
87	XMM-Newton and INTEGRAL view of the hard state of EXO 1745-048 during its 2015 outburst. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A39	5.1	8
86	CXO J004318.8+412016, a steady supersoft X-ray source in M 31. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 2212-2224	4.3	3
85	Effective temperatures of cataclysmic-variable white dwarfs as a probe of their evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 2855-2878	4.3	44
84	Broad-band characteristics of seven new hard X-ray selected cataclysmic variables. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 4815-4837	4.3	18
83	Multiband study of RX J0838.0-827 and XMM J083850.4-82759: a new asynchronous magnetic cataclysmic variable and a candidate transitional millisecond pulsar. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 2902-2916	4.3	15
82	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A19	5.1	71
81	SPECTROSCOPY FROM THE HUBBLE SPACE TELESCOPE COSMIC ORIGINS SPECTROGRAPH OF THE SOUTHERN NOVA-LIKE BB DORADUS IN AN INTERMEDIATE STATE. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 146	4.7	3
80	The LOFT mission concept: a status update <b>2016</b> ,		7
79	Multiwavelength study of RX J2015.6+3711: a magnetic cataclysmic variable with a 2-h spin period. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 1913-1923	4.3	6
78	GW Librae: a unique laboratory for pulsations in an accreting white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 3929-3938	4.3	13
77	STREGA@VST: Structure and Evolution of the Galaxy. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , <b>2016</b> , 139-143	0.3	
76	Unveiling Accreting White Dwarf Binaries in Hard X-Ray Surveys. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , <b>2016</b> , 257-262	0.3	
75	The Gaia mission. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A1	5.1	2933
74	eXTP: Enhanced X-ray Timing and Polarization mission <b>2016</b> ,		73
73	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A2	5.1	1364
72	XIPE: the x-ray imaging polarimetry explorer <b>2016</b> ,		5

71	X-ray coherent pulsations during a sub-luminous accretion disc state of the transitional millisecond pulsar XSS J12270-859. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2015</b> , 449, L26-L30	4.3	75
70	UNAMBIGUOUS DETECTION OF REFLECTION IN MAGNETIC CATAclysmic VARIABLES: JOINT NuSTAR XMM-NEWTON OBSERVATIONS OF THREE INTERMEDIATE POLARS. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 807, L30	7.9	29
69	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> , <b>2015</b> , 450, 1705-1715	4.3	6
68	Magnetic White Dwarfs. <i>Space Science Reviews</i> , <b>2015</b> , 191, 111-169	7.5	173
67	Multiwavelength observations of the transitional millisecond pulsar binary XSS J12270-859. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 2190-2198	4.3	29
66	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> , <b>2015</b> , 453, 3101-3107	4.3	7
65	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> , <b>2014</b> , 354, 229-246	1.6	6
64	Swift J2218.4+1925: a new hard-X-ray-selected polar observed with XMM-Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 1403-1411	4.3	12
63	STREGA: STRucture and Evolution of the GALaxy I. Survey overview and first results?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 3809-3828	4.3	14
62	Unveiling the redback nature of the low-mass X-ray binary XSS J1227.0-859 through optical observations?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 444, 3004-3014	4.3	39
61	The Large Observatory for x-ray timing <b>2014</b> ,		9
60	On the nature of CP Pup. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 212-221	4.3	5
59	On the nature of the hard X-ray sources SWIFT J1907.3-050, IGR J12123-802 and IGR J19552+0044. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 435, 2822-2834	4.3	23
58	X-ray follow-ups of XSS J12270-4859: a low-mass X-ray binary with gamma-rayFermi-LAT association. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 550, A89	5.1	93
57	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , <b>2012</b> , 34, 415-444	1.3	148
56	LOFT: the Large Observatory For X-ray Timing <b>2012</b> ,		21
55	Characterization of new hard X-ray cataclysmic variables. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 542, A22	5.1	51
54	A Far-Ultraviolet Spectroscopic Analysis of BZ Ursae Majoris. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2011</b> , 123, 1071-1075	5	3

53	DISCOVERY OF A NOVA-LIKE CATAclySMIC VARIABLE IN THE KEPLER MISSION FIELD. <i>Astronomical Journal</i> , <b>2010</b> , 139, 2587-2594	4.9	8
52	SPIN PERIODICITY MEASUREMENTS OF WHITE DWARFS HOSTED IN SOUTHERN HARD X-RAY INTERMEDIATE POLAR CANDIDATES. <i>International Journal of Modern Physics D</i> , <b>2010</b> , 19, 797-803	2.2	
51	LOFT: a large observatory for x-ray timing <b>2010</b> ,		4
50	Wavelet and R/S analysis of the X-ray flickering of cataclysmic variables. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 519, A69	5.1	12
49	The intriguing nature of the high-energy gamma ray source XSS J12270-4859. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 515, A25	5.1	79
48	Broad-band properties of the hard X-ray cataclysmic variables IGR J00234+6141 and 1RXS J213344.1+510725. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 501, 1047-1058	5.1	23
47	Stellar and galactic environment survey (SAGE). <i>Astrophysics and Space Science</i> , <b>2009</b> , 320, 231-238	1.6	
46	UV observations of Cataclysmic Variables. <i>Astrophysics and Space Science</i> , <b>2009</b> , 320, 135-140	1.6	7
45	Stellar And Galactic Environment survey (SAGE). <i>Experimental Astronomy</i> , <b>2009</b> , 23, 169-191	1.3	2
44	SDSS unveils a population of intrinsically faint cataclysmic variables at the minimum orbital period. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 397, 2170-2188	4.3	172
43	NEW X-RAY OBSERVATIONS OF THE OLD NOVA CP PUPPIS AND OF THE MORE RECENT NOVA V351 PUPPIS. <i>Astrophysical Journal</i> , <b>2009</b> , 690, 1753-1763	4.7	9
42	Analysis of the white-light flickering of the intermediate polar V709 Cassiopeiae with wavelets and Hurst analysis. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 502, 1-5	5.1	7
41	1RXS J173021.5-055933: a cataclysmic variable with a fast-spinning magnetic white dwarf. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 481, 149-159	5.1	28
40	Two new intermediate polars with a soft X-ray component. <i>Astronomy and Astrophysics</i> , <b>2008</b> , 489, 1243-1254	5.1	38
39	IGR J00234+6141: a new INTEGRAL source identified as an intermediate polar. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 473, 185-189	5.1	21
38	SDSS J233325.92+152222.1 and the evolution of intermediate polars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 378, 635-640	4.3	24
37	Orbital periods of cataclysmic variables identified by the SDSS III. Measurements for six objects, including two eclipsing systems. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2007</b> , 382, 1145-1157	4.3	27
36	The long period intermediate polar 1RXS J154814.5-452845. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 449, 1151-1160	5.1	28

35	RX J2133.7+5107: identification of a new long period Intermediate Polar. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 445, 1037-1040	5.1	15
34	The X-ray properties of the magnetic cataclysmic variable UU Columbae. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 454, 287-294	5.1	23
33	A ZZ Ceti white dwarf in SDSS J133941.11+484727.5. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 365, 969-976	4.3	37
32	VLT/FORS spectroscopy of faint cataclysmic variables discovered by the Sloan Digital Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 373, 687-699	4.3	39
31	Ultraviolet Studies Of Interacting Binaries. <i>Astrophysics and Space Science</i> , <b>2006</b> , 303, 53-68	1.6	2
30	Fundamental Problems in Astrophysics. <i>Astrophysics and Space Science</i> , <b>2006</b> , 303, 133-145	1.6	2
29	Ultraviolet Studies of Interacting Binaries <b>2006</b> , 53-68		
28	Fundamental Problems in Astrophysics <b>2006</b> , 133-145		0
27	Far-Ultraviolet Spectroscopy of Magnetic Cataclysmic Variables. <i>Astrophysical Journal</i> , <b>2005</b> , 622, 589-604	4.7	81
26	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. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 433, 1063-1077	5.1	7
25	X-ray confirmation of the intermediate polar HT Cam. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 437, 935-945	5.1	23
24	BeppoSAX observations of soft X-ray intermediate polars. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 415, 1009-1019	5.1	42
23	X-ray/optical observations of A0535+26/HDE 245770 in quiescence. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2004</b> , 132, 476-485		23
22	The X-ray emission of Intermediate Polars: the BeppoSAX view and the role of current missions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2004</b> , 132, 693-696		9
21	A 150 MG Magnetic White Dwarf in the Cataclysmic Variable RX J1554.2+2721. <i>Astrophysical Journal</i> , <b>2004</b> , 613, L141-L144	4.7	17
20	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> , <b>2003</b> , 594, 443-448	4.7	88
19	The surprising Far-UV spectrum of the polar BY Camelopardalis. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 401, 1071-1076	5.1	13
18	X-ray observations of 4 Draconis: symbiotic binary or cataclysmic triple?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2003</b> , 346, 855-860	4.3	13

17	Rapid variability of accretion in AM Herculis. <i>Astronomy and Astrophysics</i> , <b>2002</b> , 396, 213-217	5.1	8
16	Multiwavelength monitoring of QS Tel. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 322, 631-642	4.3	12
15	A model for the optical high state light curve of AM Herculis. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 372, 557-562	5.1	21
14	IUE and ISO observations of the bipolar proto-planetary nebula Hen 401 (IRAS 10178-5958). <i>Astronomy and Astrophysics</i> , <b>2001</b> , 376, 941-949	5.1	6
13	The X-ray emission of the intermediate polar V 709 Cas. <i>Astronomy and Astrophysics</i> , <b>2001</b> , 377, 499-511	5.1	34
12	BeppoSAX observations of AM Her type stars. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1999</b> , 69, 368-371		
11	The broad-band X-ray spectrum of RE 0751+14 (PQ Gem). <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1999</b> , 69, 372-375		1
10	The equatorial disc of the Be star X Persei. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1998</b> , 296, 785-799	4.3	48
9	AR Ursae Majoris: The First High-Field Magnetic Cataclysmic Variable. <i>Astrophysical Journal</i> , <b>1996</b> , 473, 483-493	4.7	44
8	Multifrequency observations of KAZ 102 during the ROSAT all-sky survey. <i>Astrophysical Journal</i> , <b>1995</b> , 442, 589	4.7	6
7	The RIASS coronathon: Joint X-ray and ultraviolet observations of normal F-K stars. <i>Astrophysical Journal, Supplement Series</i> , <b>1995</b> , 96, 223	8	74
6	Spin-resolved optical CCD spectroscopy and photometry of BG Canis Minoris. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1994</b> , 267, 1095-1102	4.3	4
5	X-ray variability in transient X-ray sources <b>1990</b> , 13, 471-479		
4	Fourteen years of multifrequency-coordinated observations of the X-ray/Be system A 0535+26/HDE 245770. <i>Astrophysics and Space Science</i> , <b>1990</b> , 169, 139-145	1.6	2
3	Coordinated X-ray and ultraviolet observations of the intermediate polar H2215-086. <i>Advances in Space Research</i> , <b>1988</b> , 8, 309-314	2.4	
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> ,	4.3	4
1	An accreting white dwarf displaying fast transitional mode switching. <i>Nature Astronomy</i> ,	12.1	7