

Margarita Hernanz

List of Publications by Year in descending order

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201
papers

6,032
citations

57631

44
h-index

79541

73
g-index

204
all docs

204
docs citations

204
times ranked

3676
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleosynthesis in Classical Novae: CO versus ONe White Dwarfs. <i>Astrophysical Journal</i> , 1998, 494, 680-690.	1.6	383
2	Gamma-ray bursts as collimated jets from neutron star/black hole mergers. <i>Nature</i> , 1993, 361, 236-238.	13.7	185
3	Presolar Grains from Novae. <i>Astrophysical Journal</i> , 2001, 551, 1065-1072.	1.6	185
4	The enhanced X-ray Timing and Polarimetry mission "eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	178
5	Science with e-ASTROGAM. <i>Journal of High Energy Astrophysics</i> , 2018, 19, 1-106.	2.4	177
6	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012, 34, 415-444.	1.6	168
7	The e-ASTROGAM mission. <i>Experimental Astronomy</i> , 2017, 44, 25-82.	1.6	167
8	The Cooling of CO White Dwarfs: Influence of the Internal Chemical Distribution. <i>Astrophysical Journal</i> , 1997, 486, 413-419.	1.6	155
9	Nuclear Uncertainties in the NeNa&MgAl Cycles and Production of documentclass{master} usepackage{amssymb} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcvr{ enewcommandmdefault{wncvr} enewcommandsfdefault{wncvss} enewcommandencodingdefault{OT2} ormalfont selectfont} DeclareTextFontCommand{extcyr.	1.6	155
10	The Imprint of Nova Nucleosynthesis in Presolar Grains. <i>Astrophysical Journal</i> , 2004, 612, 414-428.	1.6	155
11	Cooling theory of crystallized white dwarfs. <i>Astrophysical Journal</i> , 1994, 434, 641.	1.6	134
12	The THESEUS space mission concept: science case, design and expected performances. <i>Advances in Space Research</i> , 2018, 62, 191-244.	1.2	133
13	The Ages of Very Cool Hydrogen-rich White Dwarfs. <i>Astrophysical Journal</i> , 2000, 544, 1036-1043.	1.6	115
14	Bright radio emission from an ultraluminous stellar-mass microquasar in M 31. <i>Nature</i> , 2013, 493, 187-190.	13.7	108
15	eXTP: Enhanced X-ray Timing and Polarization mission. <i>Proceedings of SPIE</i> , 2016, , .	0.8	106
16	Nucleosynthesis in classical novae. <i>Nuclear Physics A</i> , 2006, 777, 550-578.	0.6	105
17	Axion cooling of white dwarfs. <i>Astrophysical Journal</i> , 1992, 392, L23.	1.6	101
18	Na21(p, ³)Mg22Reaction and Oxygen-Neon Novae. <i>Physical Review Letters</i> , 2003, 90, 162501.	2.9	98

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19	Gamma-ray emission from individual classical novae. Monthly Notices of the Royal Astronomical Society, 1998, 296, 913-920.	1.6	93
20	Nucleosynthesis in classical nova explosions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, R431-R458.	1.4	90
21	Synthesis of Intermediate-Mass Elements in Classical Novae: From Si to Ca. Astrophysical Journal, 2001, 560, 897-906.	1.6	84
22	On the Synthesis of ${}^7\text{Li}$ and ${}^7\text{Be}$ in Novae. Astrophysical Journal, 1996, 465, L27-L30.	1.6	83
23	A Chandra Low Energy Transmission Grating Spectrometer Observation of V4743 Sagittarii: A Supersoft X-Ray Source and a Violently Variable Light Curve. Astrophysical Journal, 2003, 594, L127-L130.	1.6	79
24	Gamma-Ray Emission from Novae Related to Positron Annihilation: Constraints on its Observability Posed by New Experimental Nuclear Data. Astrophysical Journal, 1999, 526, L97-L100.	1.6	78
25	The Physics of Crystallizing White Dwarfs. Astrophysical Journal, 1997, 485, 308-312.	1.6	71
26	The Extraordinary X-ray Light Curve of the Classical Nova V1494 Aquilae (1999 No. 2) in Outburst: The Discovery of Pulsations and a "Burst". Astrophysical Journal, 2003, 584, 448-452.	1.6	68
27	The influence of crystallization on the luminosity function of white dwarfs. Astrophysical Journal, 1994, 434, 652.	1.6	67
28	The rate of change of the gravitational constant and the cooling of white dwarfs. Monthly Notices of the Royal Astronomical Society, 1995, 277, 801-810.	1.6	63
29	Properties of high-density binary mixtures and the age of the Universe from white dwarf stars. Nature, 1988, 333, 642-644.	13.7	61
30	New Results on ${}^{26}\text{Al}$ Production in Classical Novae. Astrophysical Journal, 1997, 479, L55-L58.	1.6	60
31	The Energetics of Crystallizing White Dwarfs Revisited Again. Astrophysical Journal, 2000, 528, 397-400.	1.6	58
32	Models for the soft X-ray emission of post-outburst classical novae. Astronomy and Astrophysics, 2005, 439, 1061-1073.	2.1	55
33	Evidence for Nonlinear Diffusive Shock Acceleration of Cosmic Rays in the 2006 Outburst of the Recurrent Nova RS Ophiuchi. Astrophysical Journal, 2007, 663, L101-L104.	1.6	54
34	X-ray monitoring of classical novae in the central region of M 31 III. Autumn and winter 2009/10, 2010/11, and 2011/12. Astronomy and Astrophysics, 2014, 563, A2.	2.1	53
35	The frequency of occurrence of novae hosting an ONe white dwarf. Astronomy and Astrophysics, 2003, 407, 1021-1028.	2.1	52
36	A Classical Nova, V2487 Oph 1998, Seen in X-rays Before and After Its Explosion. Science, 2002, 298, 393-395.	6.0	51

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37	He-detonation in sub-Chandrasekhar CO white dwarfs: A new insight into energetics and p -process nucleosynthesis. <i>Astronomy and Astrophysics</i> , 2002, 383, L27-L30.	2.1	51
38	M31N 2008-12a – THE REMARKABLE RECURRENT NOVA IN M31: PANCHROMATIC OBSERVATIONS OF THE 2015 ERUPTION. <i>Astrophysical Journal</i> , 2016, 833, 149.	1.6	50
39	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	50
40	The Halo White Dwarf Population. <i>Astrophysical Journal</i> , 1998, 503, 239-246.	1.6	48
41	Experimental determination of the $O^{17}(p, \alpha)^{N^{14}}$ and $O^{17}(p, \alpha)^{F^{18}}$ reaction rates. <i>Physical Review C</i> , 2007, 75, .	1.1	48
42	The origin of presolar nova grains. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1135-1143.	0.7	48
43	<i>XMM-NEWTON</i> X-RAY AND ULTRAVIOLET OBSERVATIONS OF THE FAST NOVA V2491 Cyg DURING THE SUPERSOFT SOURCE PHASE. <i>Astrophysical Journal</i> , 2011, 733, 70.	1.6	48
44	Obscuration effects in super-soft-source X-ray spectra. <i>Astronomy and Astrophysics</i> , 2013, 559, A50.	2.1	45
45	X-ray monitoring of classical novae in the central region of M31. <i>Astronomy and Astrophysics</i> , 2011, 533, A52.	2.1	43
46	Astrophysical rate of $^{15}O(p, \alpha)^{12}N$ via the (p, α) reaction in inverse kinematics. <i>Physical Review C</i> , 2003, 67, .	1.1	41
47	Collapse and explosion of white dwarfs. I - Precollapse evolution. <i>Astrophysical Journal</i> , 1983, 273, 320.	1.6	41
48	FROM X-RAY DIPS TO ECLIPSE: WITNESSING DISK REFORMATION IN THE RECURRENT NOVA U Sco. <i>Astrophysical Journal</i> , 2012, 745, 43.	1.6	40
49	<i>Swift</i> detection of the super-swift switch-on of the super-soft phase in nova V745 Sco (2014). <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3108-3120.	1.6	40
50	The final stages of evolution of cold, mass-accreting white dwarfs. <i>Astrophysical Journal</i> , 1988, 324, 331.	1.6	40
51	A remarkable recurrent nova in M31: Discovery and optical/UV observations of the predicted 2014 eruption. <i>Astronomy and Astrophysics</i> , 2015, 580, A45.	2.1	39
52	A Trojan Horse Approach to the Production of ^{18}F in Novae. <i>Astrophysical Journal</i> , 2017, 846, 65.	1.6	38
53	X-ray monitoring of classical novae in the central region of M31. <i>Astronomy and Astrophysics</i> , 2010, 523, A89.	2.1	37
54	GRI: focusing on the evolving violent universe. <i>Experimental Astronomy</i> , 2009, 23, 121-138.	1.6	36

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55	Gamma-ray emission from SN2014J near maximum optical light. <i>Astronomy and Astrophysics</i> , 2016, 588, A67.	2.1	36
56	Evolutionary calculations of carbon dredge-up in helium envelope white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 296, 523-530.	1.6	35
57	Background for a gamma-ray satellite on a low-Earth orbit. <i>Experimental Astronomy</i> , 2019, 47, 273-302.	1.6	34
58	^3H -rays from classical novae: expectations from present and future missions. <i>New Astronomy Reviews</i> , 2004, 48, 35-39.	5.2	32
59	CLAIRE: First light for a gamma-ray lens. <i>Experimental Astronomy</i> , 2006, 20, 253-267.	1.6	31
60	A remarkable recurrent nova in M 31: The predicted 2014 outburst in X-rays with <i>Swift</i> . <i>Astronomy and Astrophysics</i> , 2015, 580, A46.	2.1	30
61	The prompt gamma-ray emission of novae. <i>New Astronomy Reviews</i> , 2002, 46, 559-563.	5.2	29
62	LOFT: the Large Observatory For X-ray Timing. <i>Proceedings of SPIE</i> , 2012, , .	0.8	29
63	Hydrogen Burning of O17 in Classical Novae. <i>Physical Review Letters</i> , 2005, 95, 031101.	2.9	27
64	CLAIRE's first light. <i>New Astronomy Reviews</i> , 2004, 48, 243-249.	5.2	26
65	MAX: a gamma-ray lens for nuclear astrophysics. , 2004, , .		25
66	The First Nova Explosions. <i>Astrophysical Journal</i> , 2007, 662, L103-L106.	1.6	25
67	MAX, a Laue diffraction lens for nuclear astrophysics. <i>Experimental Astronomy</i> , 2006, 20, 269-278.	1.6	24
68	CXOM31AJ004253.1+411422: the first ultraluminous X-ray transient in M31. <i>Astronomy and Astrophysics</i> , 2012, 538, A49.	2.1	24
69	The e-ASTROGAM gamma-ray space mission. <i>Proceedings of SPIE</i> , 2016, , .	0.8	24
70	Breaking the Habit: The Peculiar 2016 Eruption of the Unique Recurrent Nova M31N 2008-12a. <i>Astrophysical Journal</i> , 2018, 857, 68.	1.6	24
71	X-RAY FLASHES IN RECURRENT NOVAE: M31N 2008-12a AND THE IMPLICATIONS OF THE SWIFT NONDETECTION. <i>Astrophysical Journal</i> , 2016, 830, 40.	1.6	23
72	The first two transient supersoft X-ray sources in M31 globular clusters and the connection to classical novae. <i>Astronomy and Astrophysics</i> , 2009, 500, 769-779.	2.1	22

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73	Multiband study of RX J0838.4-2827 and XMM J083850.4-282759: a new asynchronous magnetic cataclysmic variable and a candidate transitional millisecond pulsar. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2902-2916.	1.6	21
74	Proton-decaying states in Mg-22 and the nucleosynthesis of Na-22 in novae. Physical Review C, 2003, 68, .	1.1	20
75	COLLIMATION AND ASYMMETRY OF THE HOT BLAST WAVE FROM THE RECURRENT NOVA V745 Sco. Astrophysical Journal, 2016, 825, 95.	1.6	20
76	The recurrent nova RS Oph: A possible scenario for type Ia supernovae. New Astronomy Reviews, 2008, 52, 386-389.	5.2	19
77	A DUAL mission for nuclear astrophysics. Experimental Astronomy, 2012, 34, 583-622.	1.6	19
78	Gamma-ray observations of Nova Sgr 2015 No. 2 with INTEGRAL. Astronomy and Astrophysics, 2018, 615, A107.	2.1	19
79	Pre-nova X-ray observations of V2491 Cygni (Nova Cyg 2008b). Astronomy and Astrophysics, 2009, 497, L5-L8.	2.1	19
80	Observation of SN2011fe with INTEGRAL. Astronomy and Astrophysics, 2013, 552, A97.	2.1	19
81	CLAIRE gamma-ray lens: flight and long-distance test results. , 2004, , .		18
82	Radioactivities from novae. New Astronomy Reviews, 2006, 50, 504-508.	5.2	18
83	V5116 Sagittarii, an Eclipsing Supersoft Postoutburst Nova?. Astrophysical Journal, 2008, 675, L93-L96.	1.6	17
84	Gamma-rays from classical novae. , 2008, , 252-284.		17
85	INTEGRAL reloaded: Spacecraft, instruments and ground system. New Astronomy Reviews, 2021, 93, 101629.	5.2	17
86	The Impact of the Chemical Stratification of White Dwarfs on the Classification of Classical Novae. Astrophysical Journal, 2003, 597, L41-L44.	1.6	16
87	XIPE: the x-ray imaging polarimetry explorer. , 2016, , .		16
88	Search for ⁷ Be in the outbursts of four recent novae. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4975-4985.	1.6	16
89	XMM-Newton Observations of Nova Sagittarii 1998. Astrophysical Journal, 2007, 664, 467-473.	1.6	15
90	Nova M31N 2007-12b: supersoft X-rays reveal an intermediate polar?. Astronomy and Astrophysics, 2011, 531, A22.	2.1	15

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91	What We Learn from the X-Ray Grating Spectra of Nova SMC 2016. <i>Astrophysical Journal</i> , 2018, 862, 164.	1.6	15
92	Envelope models for the supersoft X-ray emission of V1974 Cyg. <i>Astronomy and Astrophysics</i> , 2005, 439, 1057-1060.	2.1	14
93	Binary Systems and Their Nuclear Explosions. <i>Lecture Notes in Physics</i> , 2011, , 233-305.	0.3	13
94	STROBE-X: a probe-class mission for x-ray spectroscopy and timing on timescales from microseconds to years. , 2018, , .		13
95	Galactic 1.275-MeV emission from ONe novae and its detectability by INTEGRAL/SPI. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 319, 350-364.	1.6	12
96	GRI: focusing on the evolving violent universe. , 2007, , .		12
97	A simple method to compute white dwarf luminosity functions. <i>Astronomy and Astrophysics</i> , 1996, 117, 13-18.	2.1	12
98	The physics of white dwarfs. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 11263-11272.	0.7	11
99	Detectability of gamma-ray emission from classical novae with Swift/BAT. <i>Astronomy and Astrophysics</i> , 2008, 485, 223-231.	2.1	11
100	STROBE-X: X-ray timing and spectroscopy on dynamical timescales from microseconds to years. <i>Results in Physics</i> , 2017, 7, 3704-3705.	2.0	11
101	X-ray observations of classical novae: Theoretical implications. <i>Astronomische Nachrichten</i> , 2010, 331, 169-174.	0.6	10
102	The Large Observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
103	The Advanced Compton Telescope. , 2006, , .		9
104	CdZnTe detector for hard x-ray and gamma-ray focusing telescope. , 2008, , .		9
105	A lithium-rich stellar explosion. <i>Nature</i> , 2015, 518, 307-308.	13.7	9
106	The LOFT mission concept: a status update. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9
107	The very short supersoft X-ray state of the classical nova M31N2007-11a. <i>Astronomy and Astrophysics</i> , 2009, 498, L13-L16.	2.1	9
108	BATSE observations of classical novae. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	8

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109	The LOFT wide field monitor. Proceedings of SPIE, 2012, , .	0.8	8
110	Constraining Models of Classical Nova Outbursts with the Murchison Meteorite. Publications of the Astronomical Society of Australia, 2003, 20, 351-355.	1.3	7
111	V5116 Sgr: A discâ€œcipsed SSS postâ€œoutburst nova?. Astronomische Nachrichten, 2010, 331, 201-204.	0.6	7
112	Early multiwavelength analysis of the recurrent nova V745 Sco. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3691-3704.	1.6	7
113	The stellar formation rate and the white dwarf luminosity function. , 1995, , 19-23.		7
114	⁷ Be in the outburst of the ONe nova V6595 Sgr. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3258-3267.	1.6	7
115	Nucleosynthesis in novae. Implications on lithium production and gamma-ray radionuclides. Nuclear Physics A, 1997, 621, 491-494.	0.6	6
116	Nucleosynthesis in nova explosions: Prospects for its observation with focusing telescopes. Experimental Astronomy, 2006, 20, 57-64.	1.6	6
117	Imaging detector development for nuclear astrophysics using pixelated CdTe. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 434-436.	0.7	6
118	Nova LMC 2009a as observed with <i>XMMâ€œNewton</i>, compared with other novae. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3113-3134.	1.6	6
119	The e-ASTROGAM gamma-ray space observatory for the multimessenger astronomy of the 2030s. , 2018, , .		6
120	Simulations of the x-ray imaging capabilities of the silicon drift detectors (SDD) for the LOFT wide-field monitor. Proceedings of SPIE, 2012, , .	0.8	5
121	The supersoft X-ray source in V5116 Sagittarii. Astronomy and Astrophysics, 2017, 601, A93.	2.1	5
122	Detection of ⁷ Be <sc>ii</sc> in the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5302-5314.	1.6	5
123	Beacons in the sky: Classical novae vs. X-ray bursts. European Physical Journal A, 2006, 27, 107-115.	1.0	4
124	Research and development of a gamma-ray imaging spectrometer in the MeV range in Barcelona. , 2010, , .		4
125	The DUAL mission concept. Proceedings of SPIE, 2011, , .	0.8	4
126	A 3D CZT hard x-ray polarimeter for a balloon-borne payload. , 2012, , .		4

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127	A remarkable recurrent nova in M31: Discovery and optical/UV observations of the predicted 2014 eruption (Corrigendum). <i>Astronomy and Astrophysics</i> , 2016, 593, C3.	2.1	4
128	Large Observatory for x-ray Timing (LOFT-P): a Probe-class mission concept study. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
129	Pixel CdTe semiconductor module to implement a sub-MeV imaging detector for astrophysics. <i>Journal of Instrumentation</i> , 2017, 12, C03048-C03048.	0.5	4
130	Synthesis of radioactive elements in novae and supernovae and their use as a diagnostic tool. <i>New Astronomy Reviews</i> , 2021, 92, 101606.	5.2	4
131	The wide field monitor onboard the eXTP mission. , 2018, , .		4
132	Mission analysis and preliminary spacecraft design of the enhanced x-ray timing and polarimetry observatory. , 2020, , .		4
133	Classical novae: sources of CNO-nuclei and gamma-ray emitters. <i>Nuclear Physics A</i> , 2001, 688, 118-121.	0.6	3
134	Presolar grains from novae. <i>Nuclear Physics A</i> , 2001, 688, 430-432.	0.6	3
135	The Compton Cube. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 504, 38-43.	0.7	3
136	P-process nucleosynthesis during He-detonation in sub-Chandrasekhar CO white dwarfs. <i>Nuclear Physics A</i> , 2003, 718, 596-598.	0.6	3
137	Gamma-rays from classical nova explosions: theory and observations. <i>Nuclear Physics A</i> , 2005, 758, 721-724.	0.6	3
138	Recent discoveries of supersoft X-ray sources in M 31. <i>Astronomische Nachrichten</i> , 2010, 331, 193-196.	0.6	3
139	Classical and Recurrent Nova Models. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 80-87.	0.0	3
140	Development and performance of a gamma-ray imaging detector. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
141	The DD Population in the Solar Neighborhood. , 1997, , 127-146.		3
142	Accretion-induced collapse of old white dwarfs. <i>Astrophysics and Space Science</i> , 1987, 131, 665-669.	0.5	2
143	Update of nuclear reaction rates affecting nucleosynthesis in novae. <i>Nuclear Physics A</i> , 2001, 688, 450-452.	0.6	2
144	Nucleosynthesis in accreting neutron stars. <i>Nuclear Physics A</i> , 2001, 688, 447-449.	0.6	2

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145	Gamma-Ray Emission from Classical Novae. AIP Conference Proceedings, 2002, , .	0.3	2
146	The impact of the chemical stratification of white dwarfs on the nucleosynthesis from classical novae. Nuclear Physics A, 2003, 718, 255-258.	0.6	2
147	10 Gyr of classical nova explosions. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014024.	1.4	2
148	The LOFT (Large Observatory for X-ray Timing) background simulations. Proceedings of SPIE, 2012, , .	0.8	2
149	High Energy Emission of Symbiotic Recurrent Novae: RS Oph and V407 Cyg. Open Astronomy, 2012, 21, .	0.2	2
150	V2487 Oph 1998: a post nova in an intermediate polar. EPJ Web of Conferences, 2014, 64, 07002.	0.1	2
151	Hard-X and gamma-ray imaging detector for astrophysics based on pixelated CdTe semiconductors. Journal of Instrumentation, 2016, 11, C01011-C01011.	0.5	2
152	M31N2008-05d: a ^{56}Ni disk nova with a dipping supersoft X-ray light curve. Astronomy and Astrophysics, 2012, 544, A44.	2.1	2
153	Predictions of gamma-ray emission from classical novae and their detectability by CGRO. , 1997, , .		1
154	Nuclear uncertainties and their role in nova nucleosynthesis. , 1998, , .		1
155	Thermonuclear runaways on accreting white dwarfs: Models of classical novae explosions. AIP Conference Proceedings, 2000, , .	0.3	1
156	The Imprint of Nova Nucleosynthesis in Presolar Grains. AIP Conference Proceedings, 2002, , .	0.3	1
157	The disc-eclipsed Supersoft Source in the post-outburst nova V5116 Sgr. , 2010, , .		1
158	The design of the wide field monitor for the LOFT mission. , 2014, , .		1
159	NUCLEOSYNTHESIS IN CLASSICAL NOVAE. , 2001, , 149-154.		1
160	Accretion-Induced Collapse of Old White Dwarfs. International Astronomical Union Colloquium, 1987, 93, 665-669.	0.1	0
161	Cold C + O white dwarfs and neutron stars. Advances in Space Research, 1988, 8, 703-706.	1.2	0
162	Gravitational Collapse of Mass-Accreting White Dwarfs. International Astronomical Union Colloquium, 1989, 114, 88-91.	0.1	0

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163	Precollapse evolution of accreting CO white dwarfs. <i>Astrophysics and Space Science</i> , 1990, 169, 171-175.	0.5	0
164	The luminosity function of halo white dwarfs. <i>Astrophysics and Space Science</i> , 1990, 169, 199-202.	0.5	0
165	Accretion on CO White Dwarfs. Influence of the External Burning Shells on the Evolution. <i>International Astronomical Union Colloquium</i> , 1990, 122, 388-389.	0.1	0
166	Astrophysical consequences of the screening of nuclear reactions. <i>International Astronomical Union Colloquium</i> , 1994, 147, 106-125.	0.1	0
167	New theoretical results concerning gamma-ray emission from classical novae. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0
168	Gamma-ray signatures of classical novae. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	0
169	Nova outbursts and dust formation: where do we stand?. <i>Nuclear Physics A</i> , 2001, 688, 439-441.	0.6	0
170	Photoionization as a Source of X-ray Emission from Classical Novae. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	0
171	The diffuse 1.275 MeV emission from Galactic ONe novae. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	0
172	Restablished Accretion in Post-outburst Classical Novae Revealed by X-rays. , 2009, , .		0
173	Gamma-Ray Lenses for Astrophysics and the Gamma-Ray Imager Mission GRI. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 1242-1249.	1.2	0
174	The impact of mergers in the white dwarf mass distribution. , 2010, , .		0
175	Classical Novae as Supersoft X-ray Sources in the Andromeda Galaxy. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 105-112.	0.0	0
176	CdTe/CZT pixel detector for gamma-ray spectrometry with imaging and polarimetry capability in astrophysics. , 2011, , .		0
177	Accelerator experiments with soft protons and hyper-velocity dust particles: application to ongoing projects of future x-ray missions. , 2012, , .		0
178	Observing GRBs with the LOFT Wide Field Monitor. <i>EAS Publications Series</i> , 2013, 61, 617-623.	0.3	0
179	A small 3D CZT payload for hard X-ray polarimetry and spectroscopic imaging. , 2014, , .		0
180	The LOFT ground segment. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0

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181	Monte Carlo evaluation of a CZT 3D spectrometer suitable for a Hard X- and soft- γ rays polarimetry balloon borne experiment. , 2015, , .		0
182	Development of a pixelated CdTe detector module for a hard-x and gamma-ray imaging spectrometer application. , 2016, , .		0
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