

# Lorenzo Natalucci

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

3,308  
citations

361413

20  
h-index

197818

49  
g-index

61  
all docs

61  
docs citations

61  
times ranked

4382  
citing authors

#	ARTICLE	IF	CITATIONS
1	INTEGRAL View of TeV Sources: A Legacy for the CTA Project. <i>Universe</i> , 2021, 7, 135.	2.5	2
2	INTEGRAL reloaded: Spacecraft, instruments and ground system. <i>New Astronomy Reviews</i> , 2021, 93, 101629.	12.8	17
3	INTEGRAL Discovery of a Burst with Associated Radio Emission from the Magnetar SGR 1935+2154. <i>Astrophysical Journal Letters</i> , 2020, 898, L29.	8.3	227
4	Quasi-simultaneous INTEGRAL, SWIFT, and NuSTAR Observations of the New X-Ray Clocked Burster 1RXS J180408.9-342058. <i>Astrophysical Journal</i> , 2019, 887, 30.	4.5	5
5	An XMM-Newton and NuSTAR Study of IGR J18214-1318: A Non-pulsating High-mass X-Ray Binary with a Neutron Star. <i>Astrophysical Journal</i> , 2017, 841, 35.	4.5	12
6	XMM-Newton and NuSTAR Simultaneous X-Ray Observations of IGR J11215-5952. <i>Astrophysical Journal</i> , 2017, 838, 133.	4.5	12
7	Living on a Flare: Relativistic Reflection in V404 Cyg Observed by NuSTAR during Its Summer 2015 Outburst. <i>Astrophysical Journal</i> , 2017, 839, 110.	4.5	71
8	A Hard Look at the Neutron Stars and Accretion Disks in 4U 1636-53, GX 17+2, and 4U 1705-44 with NuStar. <i>Astrophysical Journal</i> , 2017, 836, 140.	4.5	52
9	Editorial to the special issue on Particle background for space instrumentation in the context of the Athena mission. <i>Experimental Astronomy</i> , 2017, 44, 261-261.	3.7	1
10	The nova-like nebular optical spectrum of V404 Cygni at the beginning of the 2015 outburst decay. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4468-4481.	4.4	14
11	NUSTAR AND XMM-NEWTON OBSERVATIONS OF 1E1743.1-2843: INDICATIONS OF A NEUTRON STAR LMXB NATURE OF THE COMPACT OBJECT. <i>Astrophysical Journal</i> , 2016, 822, 57.	4.5	10
12	INTEGRAL UPPER LIMITS ON GAMMA-RAY EMISSION ASSOCIATED WITH THE GRAVITATIONAL WAVE EVENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 820, L36.	8.3	94
13	X-ray polarimetry with the Polarization Spectroscopic Telescope Array (PoSTAR). <i>Astroparticle Physics</i> , 2016, 75, 8-28.	4.3	42
14	NUSTAR AND XMM-NEWTON OBSERVATIONS OF THE NEUTRON STAR X-RAY BINARY 1RXS J180408.9-34205. <i>Astrophysical Journal</i> , 2016, 824, 37.	4.5	32
15	THE XMM-NEWTON AND INTEGRAL OBSERVATIONS OF THE SUPERGIANT FAST X-RAY TRANSIENT IGR J16328-4726. <i>Astrophysical Journal</i> , 2016, 829, 125.	4.5	1
16	FIRST INTEGRAL OBSERVATIONS OF V404 CYGNI DURING THE 2015 OUTBURST: SPECTRAL BEHAVIOR IN THE 20–650 KeV ENERGY RANGE. <i>Astrophysical Journal Letters</i> , 2015, 813, L22.	8.3	29
17	HIGH ENERGY SPECTRAL EVOLUTION OF V404 CYGNI DURING THE 2015 JUNE OUTBURST AS OBSERVED BY INTEGRAL. <i>Astrophysical Journal Letters</i> , 2015, 813, L21.	8.3	26
18	On the in-flight calibration plans of modern x-ray observatories. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2015, 1, 047001.	1.8	3

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19	NuSTAR detection of a cyclotron line in the supergiant fast X-ray transient IGR J17544+2619. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2274-2281.	4.4	38
20	BROADBAND X-RAY PROPERTIES OF THE GAMMA-RAY BINARY 1FGL J1018.6+5856. Astrophysical Journal, 2015, 806, 166.	4.5	26
21	NuSTAR detection of 4s Hard X-ray Lags from the Accreting Pulsar GS 0834-430. EPJ Web of Conferences, 2014, 64, 06011.	0.3	0
22	Background simulations for the ATHENA X-IFU instrument: impact on the instrumental design. , 2014, , .		1
23	<i>NuSTAR</i> AND <i>INTEGRAL</i> OBSERVATIONS OF A LOW/HARD STATE OF 1E1740.7-2942. Astrophysical Journal, 2014, 780, 63.	4.5	19
24	THE DISK WIND IN THE RAPIDLY SPINNING STELLAR-MASS BLACK HOLE 4U 1630+472 OBSERVED WITH <i>NuSTAR</i>. Astrophysical Journal Letters, 2014, 784, L2.	8.3	65
25	THE REFLECTION COMPONENT FROM CYGNUS X-1 IN THE SOFT STATE MEASURED BY <i>NuSTAR</i> AND <i>SUZAKU</i>. Astrophysical Journal, 2014, 780, 78.	4.5	109
26	NuSTAR J163433-4738.7: A FAST X-RAY TRANSIENT IN THE GALACTIC PLANE. Astrophysical Journal, 2014, 785, 4.	4.5	5
27	The Cryogenic AntiCoincidence Detector Project for ATHENA+: An Overview Up to the Present Status. Journal of Low Temperature Physics, 2014, 176, 1022-1032.	1.4	8
28	The Cryogenic AntiCoincidence detector for ATHENA: the progress towards the final pixel design. , 2014, , .		3
29	<i>NuSTAR</i> DETECTION OF HARD X-RAY PHASE LAGS FROM THE ACCRETING PULSAR GS 0834+430. Astrophysical Journal, 2013, 775, 65.	4.5	11
30	CONSTRAINTS ON THE NEUTRON STAR AND INNER ACCRETION FLOW IN SERPENS X-1 USING <i>NuSTAR</i>. Astrophysical Journal Letters, 2013, 779, L2.	8.3	69
31	THE <i>NUCLEAR SPECTROSCOPIC TELESCOPE ARRAY</i> (<i>NuSTAR</i>) HIGH-ENERGY X-RAY MISSION. Astrophysical Journal, 2013, 770, 103.	4.5	1,627
32	ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549.	3.7	6
33	The cryogenic anticoincidence detector for ATHENA-XMS: preliminary results from the new prototype. Proceedings of SPIE, 2012, , .	0.8	3
34	Polarization studies with NuSTAR. Proceedings of SPIE, 2012, , .	0.8	1
35	The Cryogenic Anticoincidence Detector for ATHENA-XMS. Journal of Low Temperature Physics, 2012, 167, 783-794.	1.4	8
36	Kapton Polymeric Films to Shield X-Ray Detectors in Orbit. Journal of Low Temperature Physics, 2012, 167, 232-235.	1.4	2

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37	WHEN A STANDARD CANDLE FLICKERS. <i>Astrophysical Journal Letters</i> , 2011, 727, L40.	8.3	117
38	Estimate of the background for the x-ray microcalorimeter Spectrometer onboard of IXO. , 2010, , .		1
39	The x-ray mirrors for the EXIST/SXI telescope. <i>Proceedings of SPIE</i> , 2010, , .	0.8	3
40	The TES-based cryogenic anticoincidence detector for IXO: first results from large area prototypes. , 2010, , .		1
41	The x-ray camera of the EXIST/SXI telescope. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
42	Design and scientific performance of the soft x-ray imager on board EXIST. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
43	IGR J16328â€“4726: A NEW CANDIDATE SUPERGIANT FAST X-RAY TRANSIENT. <i>Astrophysical Journal Letters</i> , 2010, 725, L68-L72.	8.3	14
44	High diffraction efficiency at hard X-ray energy in a silicon crystal bent by indentation. <i>Journal of Applied Crystallography</i> , 2010, 43, 1519-1521.	4.5	29
45	Development of a 3D CZT detector prototype for Laue Lens telescope. , 2010, , .		7
46	RENEWED ACTIVITY FROM THE X-RAY TRANSIENT SAXJ 1810.8-2609 WITH<i>INTEGRAL</i>. <i>Astrophysical Journal</i> , 2009, 693, 333-339.	4.5	7
47	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. <i>Experimental Astronomy</i> , 2009, 23, 67-89.	3.7	19
48	High Performance, Low-Dose Radiography Systems for Space and Remote Site Applications. <i>Wireless Personal Communications</i> , 2009, 51, 725-737.	2.7	2
49	Experimental and theoretical study of the diffraction properties of various crystals for the realization of a soft gamma-ray Laue lens. <i>Journal of Applied Crystallography</i> , 2009, 42, 834-845.	4.5	31
50	Soft gamma-ray optics: new Laue lens design and performance estimates. <i>Proceedings of SPIE</i> , 2009, , .	0.8	4
51	Spectroscopic CZT detectors development for x- and gamma-ray imaging instruments. <i>Proceedings of SPIE</i> , 2007, , .	0.8	3
52	ESTREMO/WFXRT: Extreme physIcs in the TRansient and Evolving COsmos. , 2006, , .		5
53	INTEGRAL/IBIS search for $e\bar{e}$ annihilation radiation from the galactic center region. <i>Advances in Space Research</i> , 2006, 38, 1457-1460.	2.6	8
54	Spectral behaviour of an INTEGRAL sample of black hole candidates: Initial results. <i>Advances in Space Research</i> , 2006, 38, 1369-1373.	2.6	0

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55	INTEGRAL observation of the Crab pulsar. <i>Advances in Space Research</i> , 2006, 38, 1461-1465.	2.6	0
56	3â€“200 keV Spectral States and Variability of the INTEGRAL Black Hole Binary IGR J17464âˆ³213. <i>Astrophysical Journal</i> , 2005, 622, 503-507.	4.5	27
57	CZT detectors for a new generation Î³-ray telescopes. , 2005, , .		2
58	BeppoSAX-WFC monitoring of the Galactic Center region. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 132, 486-495.	0.4	31
59	Beppo-SAX observation of the burster GS 1826-238. <i>Advances in Space Research</i> , 2001, 28, 375-379.	2.6	9
60	Spectral properties of a sample of low luminosity type I X-ray bursters. <i>Advances in Space Research</i> , 2001, 28, 381-388.	2.6	2
61	Coded aperture imaging in X- and gamma-ray astronomy. <i>Space Science Reviews</i> , 1987, 45, 349-403.	8.1	334