

Melania Del Santo

List of Publications by Year in descending order

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81
papers

2,312
citations

257450

24
h-index

223800

46
g-index

81
all docs

81
docs citations

81
times ranked

1812
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The medium-energy concentrator spectrometer on board the BeppoSAX X-ray astronomy satellite. <i>Astronomy and Astrophysics</i> , 1997, 122, 327-340. | 2.1 | 276 |
| 2 | Panchromatic study of GRB 060124: from precursor to afterglow. <i>Astronomy and Astrophysics</i> , 2006, 456, 917-927. | 5.1 | 204 |
| 3 | A planetesimal orbiting within the debris disc around a white dwarf star. <i>Science</i> , 2019, 364, 66-69. | 12.6 | 131 |
| 4 | The First IBIS/ISGRI Soft Gamma-Ray Galactic Plane Survey Catalog. <i>Astrophysical Journal</i> , 2004, 607, L33-L37. | 4.5 | 111 |
| 5 | The INTEGRAL IBIS/ISGRI System Point Spread Function and Source Location Accuracy. <i>Astronomy and Astrophysics</i> , 2003, 411, L179-L183. | 5.1 | 101 |
| 6 | INTEGRAL/RXTE high-energy observation of a state transition of GX 339-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 1113-1120. | 4.4 | 88 |
| 7 | Study of the accreting pulsar 4U 0115+63 using a bulk and thermal Comptonization model. <i>Astronomy and Astrophysics</i> , 2009, 498, 825-836. | 5.1 | 87 |
| 8 | A failed outburst of H1743-322. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1194-1200. | 4.4 | 81 |
| 9 | The Palermo Swift-BAT hard X-ray catalogue. <i>Astronomy and Astrophysics</i> , 2010, 510, A47. | 5.1 | 74 |
| 10 | Spectral variability of GX 339-4 in a hard-to-soft state transition ^{...} . <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 227-234. | 4.4 | 51 |
| 11 | Compact sources as the origin of the soft Γ^3 -ray emission of the Milky Way. <i>Nature</i> , 2004, 428, 293-296. | 27.8 | 50 |
| 12 | The magnetic field in the X-ray corona of Cygnus X-1.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 209-220. | 4.4 | 48 |
| 13 | XMMU J174716.1-281048: a quasi-persistent very faint X-ray transient?. <i>Astronomy and Astrophysics</i> , 2007, 468, L17-L20. | 5.1 | 48 |
| 14 | First results from the INTEGRAL galactic plane scans. <i>Astronomy and Astrophysics</i> , 2003, 411, L349-L355. | 5.1 | 41 |
| 15 | Two years of INTEGRAL monitoring of the soft gamma-ray repeater SGR 1806-20: from quiescence to frenzy. <i>Astronomy and Astrophysics</i> , 2006, 445, 313-321. | 5.1 | 41 |
| 16 | XMM-Newton campaign on the ultraluminous X-ray source NGC 247 ULX-1: outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5058-5074. | 4.4 | 37 |
| 17 | First detection of the Crab Nebula at TeV energies with a Cherenkov telescope in a dual-mirror Schwarzschild-Couder configuration: the ASTRI-Horn telescope. <i>Astronomy and Astrophysics</i> , 2020, 634, A22. | 5.1 | 34 |
| 18 | The first outburst of the black-hole candidate MAXI J1836-194 observed by INTEGRAL, Swift, and RXTE. <i>Astronomy and Astrophysics</i> , 2012, 537, L7. | 5.1 | 31 |

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|----|--|------|-----------|
| 19 | UNVEILING THE HIGH ENERGY TAIL OF 1E 1740.7-2942 WITH INTEGRAL. <i>Astrophysical Journal</i> , 2009, 693, 1871-1876. | 4.5 | 30 |
| 20 | GAMMA-RAY OBSERVATIONS OF CYGNUS X-1 ABOVE 100 MeV IN THE HARD AND SOFT STATES. <i>Astrophysical Journal</i> , 2013, 766, 83. | 4.5 | 30 |
| 21 | High-energy observations of the state transition of the X-ray nova and black hole candidate XTE J1720-318. <i>Astronomy and Astrophysics</i> , 2004, 426, 659-667. | 5.1 | 28 |
| 22 | 200 keV Spectral States and Variability of the INTEGRAL Black Hole Binary IGR J17464-3213. <i>Astrophysical Journal</i> , 2005, 622, 503-507. | 4.5 | 27 |
| 23 | X-ray dips and a complex UV/X-ray cross-correlation function in the black hole candidate MAXI J1820+070. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 488, L18-L23. | 3.3 | 26 |
| 24 | Observations of a radio-bright, X-ray obscured GRS 1915+105. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 152-161. | 4.4 | 26 |
| 25 | 1E 1740.7-2942: Temporal and spectral evolution from INTEGRAL and RXTE observations. <i>Astronomy and Astrophysics</i> , 2005, 433, 613-617. | 5.1 | 26 |
| 26 | The peculiar 2011 outburst of the black hole candidate IGR J17091-3624, a GRS 1915+105-like source?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 3130-3141. | 4.4 | 25 |
| 27 | A Possible Magnetar Nature for IGR J16358-4726. <i>Astrophysical Journal</i> , 2007, 657, 994-1003. | 4.5 | 24 |
| 28 | The complex behaviour of the microquasar GRS 1915+105 in the $\dot{\gamma}$ class observed with BeppoSAX. <i>Astronomy and Astrophysics</i> , 2012, 537, A18. | 5.1 | 24 |
| 29 | The complex behaviour of the microquasar GRS 1915+105 in the $\dot{\gamma}$ class observed with BeppoSAX. <i>Astronomy and Astrophysics</i> , 2010, 513, A21. | 5.1 | 22 |
| 30 | Spectral and timing evolution of the bright failed outburst of the transient black hole Swift J174510.8-262411. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3585-3595. | 4.4 | 21 |
| 31 | The long outburst of the black hole transient GRS 1716-249 observed in the X-ray and radio band. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1587-1601. | 4.4 | 21 |
| 32 | A possible cyclotron resonance scattering feature near 0.7 keV in X1822-371. <i>Astronomy and Astrophysics</i> , 2015, 577, A63. | 5.1 | 20 |
| 33 | EDGE: Explorer of diffuse emission and gamma-ray burst explosions. <i>Experimental Astronomy</i> , 2009, 23, 67-89. | 3.7 | 19 |
| 34 | The puzzling source IGR J17361-4441 in NGC 6388: a possible planetary tidal disruption event. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 93-101. | 4.4 | 19 |
| 35 | IBIS preliminary results on Cygnus X-1 spectral and temporal characteristics. <i>Astronomy and Astrophysics</i> , 2003, 411, L389-L394. | 5.1 | 18 |
| 36 | The Galactic LMXB Population and the Galactic Centre Region. <i>New Astronomy Reviews</i> , 2020, 88, 101536. | 12.8 | 17 |

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|----|--|------|-----------|
| 37 | Quasi-periodic dipping in the ultraluminous X-ray source, NGC 247 ULX-1. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3722-3729. | 4.4 | 17 |
| 38 | Broad-band X-ray spectral evolution of GX 339 ^{âˆ’} 4 during a state transition^{âˆ’}. Monthly Notices of the Royal Astronomical Society, 2009, 392, 992-997. | 4.4 | 16 |
| 39 | XMM-Newton and INTEGRAL observations of the very faint X-ray transient IGRâ€ƒJ17285 ^{âˆ’} 2922/XTEâ€ƒJ1728 ^{âˆ’} 295, during the 2010 outburst. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2373-2378. | 4.4 | 16 |
| 40 | Non-linear oscillator models for the X-ray bursting of the microquasar GRS 1915+105. Astrophysics and Space Science, 2014, 352, 699-714. | 1.4 | 15 |
| 41 | Signature of the presence of a third body orbiting around XB 1916-053. Astronomy and Astrophysics, 2015, 582, A32. | 5.1 | 15 |
| 42 | The INTEGRAL view on black hole X-ray binaries. New Astronomy Reviews, 2021, 93, 101618. | 12.8 | 15 |
| 43 | UNVEILING THE NATURE OF IGR J17177 ^{â€} 3656 WITH X-RAY, NEAR-INFRARED, AND RADIO OBSERVATIONS. Astrophysical Journal, 2011, 738, 183. | 4.5 | 14 |
| 44 | Status of the Integral/IBIS telescope modeling and of the response matrices generation. Astronomy and Astrophysics, 2003, 411, L185-L188. | 5.1 | 14 |
| 45 | Unveiling the hard X-ray spectrum from the ^{â€} burst-only ^{â™} source SAX J1753.5-2349 in outburst. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 403, L89-L93. | 3.3 | 12 |
| 46 | On the nature of the soft ^Î 3-ray emission in the hard state of the black hole transient GRS 1716 ^{âˆ’} 249. Monthly Notices of the Royal Astronomical Society, 2020, 494, 571-583. | 4.4 | 12 |
| 47 | GRB ^Â 021125: The first GRB imaged by INTEGRAL. Astronomy and Astrophysics, 2003, 411, L307-L310. | 5.1 | 12 |
| 48 | Testing jet geometries and disc ^{â€} jet coupling in the neutron star LMXB 4U 0614 ^Â + ^Â 091 with the internal shocks model. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3351-3367. | 4.4 | 11 |
| 49 | The Chameleon on the branches: spectral state transition and dips in NGC 247 ULX-1. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5567-5579. | 4.4 | 11 |
| 50 | Unveiling the Nature of IGR J17497-2821 Using X-Ray and Near-Infrared Observations. Astrophysical Journal, 2007, 657, L109-L112. | 4.5 | 10 |
| 51 | The Large Observatory for x-ray timing. Proceedings of SPIE, 2014, , . | 0.8 | 10 |
| 52 | The evolving radio jet from the neutron star X-ray binary 4U ^Â 1820 ^{âˆ’} 30. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 508, L6-L11. | 3.3 | 10 |
| 53 | Detection and analysis of a new INTEGRAL hard X-ray transient, IGR J17285-2922. Astronomy and Astrophysics, 2005, 437, L27-L30. | 5.1 | 10 |
| 54 | INTEGRAL high-energy monitoring of the X-ray burster KS 1741 ^{âˆ’} 293*. Monthly Notices of the Royal Astronomical Society, 2007, 380, 615-620. | 4.4 | 9 |

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|----|---|-----|-----------|
| 55 | Energy scaling of the "heartbeat" pulse width of GRS 1915+105, IGR J17091-3624, and MXB 1730-335 from Rossi-XTE observations. <i>Astronomy and Astrophysics</i> , 2018, 612, A33. | 5.1 | 9 |
| 56 | Tracking the evolution of the accretion flow in MAXI J1820+070 during its hard state with the JED-SAD model. <i>Astronomy and Astrophysics</i> , 2021, 656, A63. | 5.1 | 9 |
| 57 | First broad band study of the mysterious source 1E 1743.1-2843. <i>Astronomy and Astrophysics</i> , 2006, 456, 1105-1108. | 5.1 | 9 |
| 58 | INTEGRAL/IBIS search for e^+e^- annihilation radiation from the galactic center region. <i>Advances in Space Research</i> , 2006, 38, 1457-1460. | 2.6 | 8 |
| 59 | A CHANDRA OBSERVATION OF THE BURSTING MILLISECOND X-RAY PULSAR IGR J17511-3057. <i>Astrophysical Journal</i> , 2012, 755, 52. | 4.5 | 8 |
| 60 | On the multiwavelength spectrum of the microquasar 1E 1740.7-2942. <i>Astronomy and Astrophysics</i> , 2006, 457, 1011-1014. | 5.1 | 8 |
| 61 | The complex behaviour of the microquasar GRS 1915+105 in the \dot{X} class observed with BeppoSAX. <i>Astronomy and Astrophysics</i> , 2013, 556, A84. | 5.1 | 7 |
| 62 | ORIGIN: metal creation and evolution from the cosmic dawn. <i>Experimental Astronomy</i> , 2012, 34, 519-549. | 3.7 | 6 |
| 63 | The puzzling symbiotic X-ray system 4U1700+24. <i>Astronomy and Astrophysics</i> , 2014, 562, A55. | 5.1 | 6 |
| 64 | 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> , 2019, 486, 3992-4000. | 4.4 | 6 |
| 65 | First results from the IBIS/ISGRI data obtained during the Galactic Plane Scan. <i>Astronomy and Astrophysics</i> , 2003, 411, L373-L376. | 5.1 | 6 |
| 66 | ESTREMO/WFXRT: Extreme physics in the Transient and Evolving Cosmos. , 2006, , . | | 5 |
| 67 | EDGE: explorer of diffuse emission and gamma-ray burst explosions. , 2007, , . | | 5 |
| 68 | INVESTIGATING THE NATURE OF IGR J17454-2919 USING X-RAY AND NEAR-INFRARED OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 808, 34. | 4.5 | 5 |
| 69 | Comparing the \dot{X} class spectra of the microquasar GRS 1915+105 observed with BeppoSAX. <i>Astronomy and Astrophysics</i> , 2017, 598, A65. | 5.1 | 4 |
| 70 | IBIS performances during the Galactic Plane Scan. <i>Astronomy and Astrophysics</i> , 2003, 411, L369-L372. | 5.1 | 4 |
| 71 | IBIS ground calibration. <i>Astronomy and Astrophysics</i> , 2003, 411, L159-L166. | 5.1 | 4 |
| 72 | IBIS detector performance during calibration " preliminary analysis. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 513, 118-122. | 1.6 | 3 |

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|----|--|-----|-----------|
| 73 | Time properties of the the κ -class burst of the microquasar GRS 1915+105 observed with <i>BeppoSAX</i> in April 1999. <i>Astronomy and Astrophysics</i> , 2016, 586, A56. | 5.1 | 3 |
| 74 | Searching for supergiant fast X-ray transients with <i>Swift</i> . <i>Astronomy and Astrophysics</i> , 2016, 593, A96. | 5.1 | 3 |
| 75 | High-energy observations of black hole binaries with the INTEGRAL satellite. <i>Journal of Physics: Conference Series</i> , 2012, 354, 012003. | 0.4 | 2 |
| 76 | New analysis of the κ -class bursts, known as the "heartbeat" of GRS 1915+105: Pulse profile and spectral properties. <i>Astronomy and Astrophysics</i> , 2021, 650, A122. | 5.1 | 2 |
| 77 | First IBIS results on the high energy emission of Cygnus X-2. <i>Astronomy and Astrophysics</i> , 2003, 411, L395-L398. | 5.1 | 2 |
| 78 | Disc precession to explain the superorbital modulation of LMC X-4: results from the <i>Swift</i> monitoring campaign. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3422-3435. | 4.4 | 2 |
| 79 | INTEGRAL observation of X-ray Binaries. , 2007, , . | | 0 |
| 80 | A Failed outburst of H1743-322. , 2010, , . | | 0 |
| 81 | The high-energy spectrum of Cygnus X-1: corona and jet contributions. <i>EPJ Web of Conferences</i> , 2013, 61, 03006. | 0.3 | 0 |