

Born on 17 October 1980 (Marino, Italy)

Contact:

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Present position: Athena, EUCLID, JEM-EUSO, and XIPE Project Manager; INTEGRAL operations coordinator at the ISDC (Department of Astronomy, University of Geneva).

I am presently the project manager of the Athena filter wheel for the X-IFU instrument, the EUCLID Read-out Shutter, the JEM-EUSO Laser and Pointing system, the XIPE mission project manager.

I am also acting as INTEGRAL operations coordinator, monitoring reception and processing of telemetry stream from the INTEGRAL satellite, performing scientific quick look of the data in near real time, managing communications to the science community at large of the most relevant astrophysical events (including GRBs).

I am a member of the Swiss Society for Astrophysics and Astronomy (SSAA) and of the European Astronomical Society (EAS).

Education

- 27.05.2005: Laurea in Physics cum laude (*Univ. of Rome Tor Vergata; supervisors: Prof. L. Stella, Prof. R. Buonanno*)
- 01.10.2005 - 31.10.2008: PhD in Astronomy (*Univ. of Rome Tor Vergata (supervisor: Prof. L. Stella)*)

Experience

- 01.02.2006 – 28.02.2006: Visitor scientist at Jila, University of Colorado - USA
- 15.01.2007 – 15.05.2007: Visitor scientist at Jila, University of Colorado - USA
- 15.12.2008 – 01.04.2009: Post-Doc (*INAF-OAR; Italy*)
- 01.04.2009 – 31.12.2011: Post-Doc and INTEGRAL operations coordinator (*ISDC, Switzerland*)
- 01.01.2012 – 31.12.2014: LOFT mission project manager & INTEGRAL operations coordinator (*ISDC, Switzerland*)
- 01.01.2015 – present: Athena, JEM-EUSO, EUCLID, XIPE project manager & INTEGRAL operations coordinator (*ISDC, Switzerland*)

Research interest

Accretion phenomena in Galactic low (LMXB) and high mass X-ray binaries (HMXB).

Theoretical modeling of disk and wind accretion. Plasma-magnetic field interactions.

Accretion phenomena in AGN, magnetar's, pulsar's wind nebula and bow shocks.

X-ray data analysis and interpretation of LMXBs and HMXBs (experienced user of XMM-Newton, Swift, INTEGRAL, NuSTAR; made use of data from Suzaku, ASCA, Rosat, Chandra).

Technical skills

Experience user of IDL, Fortran, PHP, HTML, CSS, Unix and Windows based software (including Microsoft Office suite)

Project management, coordination, communications and relevant software (including Microsoft Project, Visio and social media)

Experienced user of Content Management Software (e.g. Joomla, Drupal) and software for web-site development.

Language skills

Mother tongue: Italian; Proficient: English; Familiar: French

Awards

2005: 3 years PhD fellowship (University of Tor Vergata, Italy)

2008: ESA and ESA education grant support for the conference "The X-ray Universe, Granada (Spain), 27-30 May, 2008

DTU Space, Technical University of Denmark and IASF-INAF grant support for the conference "7th INTEGRAL Workshop", Copenhagen, 8-11 September 2008

Post-Doc contract at INAF-OAR (Italy, 1yr contract)

2009: Post-Doc contract at ISDC (Switzerland, 3yr contract)

"Giampietro Puppi" prize (for PhD obtained in 2007-2009).

2010: Travel grant for the year 2010 from the Societ  Suisse d'Astrophysique et d'Astronomie

2011: ESA press release on a published paper: <http://sci.esa.int/science-e/www/object/index.cfm?fobjectid=48733>

Invited to be part of the XMM-Newton panel for observational proposals review (2011).

2012: PRODEX contract as LOFT Project Manager at the ISDC

Invited to be part of the XMM-Newton panel for observational proposals review (2012).

2013: Grants for the organization of the conference: "Physics at the Magnetospheric Boundary, to be held in Geneva (Switzerland). Grants were awarded by: European Astronomical Society (EAS), Societe Academique de Geneve (SAG), Swiss National Foundation (SNF), and Commission administrative Universite de Geneve (COMAD).

Proposal for a special session on the LOFT mission accepted to be organized in the EWASS 2013

2014: proposal for a symposium on massive star outflows accepted within the EWASS 2014 (Geneva, Switzerland)

PRODEX contract as JEM-EUSO LIDAR Project Manager at the ISDC

2015: co-chair of the Athena Science working group "End point of stellar evolution", member of the Athena Science working groups "Physics of Accretion" and "Science Ground Segment"

PRODEX contract as EUCLID VIS RSU Project Manager at the ISDC

2016: PRODEX contract as XIPE Project Manager at the ISDC

Coordinator of the observatory science working group of the eXTP mission

2017: Proposal for a symposium on the properties and evolution of accreting compact objects in low and high mass X-ray binaries accepted to be organized in the EWASS 2017.

Accepted IAU Symposium on "High-mass X-ray binaries: illuminating the passage from massive binaries to merging compact objects", Wien, Austria, 23-30 August, 2018.

Travel grant from the Swiss Society for Astronomy and Astrophysics (project title: "Explaining the superorbital modulation of supergiant X-ray binaries" in collaboration with Institut für Physik und Astronomie, Universität Potsdam)

Member Committee of the COST Action CA16214 "Pharos" and task leader of its working group 1: "Neutron Star Dense Matter".

Elected member of the NuSTAR satellite Users' Committee (https://www.nustar.caltech.edu/page/nustar_users_committee)

Most relevant programs as principal investigator

2007: XMM Proposal approved (88 ks)

2008: XMM Proposal approved (88 ks)

XMM Target of opportunity observation of IGRJ16479-4514 (39 ks)

XMM Target of opportunity observation of XTE1739-302 (36.3 ks)

RXTE proposal 2008 (200 ks)

2009: RXTE proposal 2009 (100 ks)

INTEGRAL data right proposal 2009

2010: INTEGRAL data right proposal 2010

XMM Proposal (88 ks)

2011: INTEGRAL data right proposal 2011

2013: XMM proposal (130 ks)

2015: XMM ToO on IGR J17451-3022 (70 ks)

Suzaku observation of SAX J1818.6-1703 (45 ks)

2016: INTEGRAL ToO on MAXI J0911-655 (70 ks)

2017: XMM (40 ks) and NuSTAR (20 ks) ToO on IGR J17329-2731

INTEGRAL ToO observation of MAXI J1535-571 (170 ks)

NuSTAR (40 ks) ToO on IGR J16597-3704

A number of successful target-of-opportunity observations were obtained throughout the period 2008 – present. These programs are listed [on-line](https://www.swift.psu.edu/secure/toop/summary.php) at: <https://www.swift.psu.edu/secure/toop/summary.php>

Seminars

10.02.2006: University of Colorado at Boulder (USA) - "Details of disk accretion on magnetized neutron stars"

30.11.2007: CEA – Service D'Astrophysique, Saclay, Paris (France) - "On the propeller effect of magnetic neutron star"

13.11.2008: ISDC – Geneva (Switzerland): "Hunting for magnetars in binary systems. The case of supergiant fast X-ray transients"

23.01.2012: IAAT, Tuebingen (Germany): "Wind accretion in extreme X-ray binaries: the case of Super Giant Fast X-ray Transients"

11.03.2015: NYUAD, New York University at Abu Dhabi (Emirates): "Sometimes too faint, sometimes too luminous: the paradigm of Supergiant Fast X-ray Transients"

22.08.2017: Institut für Physik und Astronomie, Universität Potsdam: "Connecting accretion mechanisms in high mass X-ray binaries and clumpy massive star wind properties: where do we stand?"

Conference participation

III CNOC, 9-11 December 2003, Monte Porzio Catone (Rome, Italy)

Interacting Binaries, 4-10 July 2004, Cefalù, Sicilia (Italy)

IV CNOC, 23 - 25 November 2005, Padova (Italy) (Poster: A Model of Spin-Up/Spin-Down transitions in accreting X-ray Binaries)

The Multicolored Landscape of Compact Objects and their Explosive Origins: Theory vs Observation, Cefalù, Sicily (Italy), June 11-24 2006 (Oral Contribution: On the propeller effect of rapidly rotating magnetic neutron star: a new limiting condition)

V CNOC, 11-14 September 2007, San Vito lo Capo (TP, Italy) (Oral Contribution: X-ray eclipse time delays in 4U 2129+47)

National school of Astrophysics: FUNDAMENTAL PHYSICS USING COMPACT OBJECTS AND PULSARS SCIENCE WITH ALMA: THE COOL SIDE OF THE UNIVERSE, May 20-27 2007 (Italy)

The X-ray Universe, Granada (Spain), May 27-30 2008 (Oral Contribution: X-ray eclipse time delays in 4U 2129+47, grant support by ESA and ESA education)

7th INTEGRAL Workshop, Copenhagen (Denmark), Sept. 8-11 2008 (Oral Contribution: Are there Magnetars in HMXBs? The case of Supergiant Fast X-ray Transients, grant support by DTU and IASF-INAF)

2th Simbol-X symposium, Paris (France), 2008 December 2-5 (Poster: IGRJ1647-4514: the first eclipsing supergiant fast X-ray transients?)

Cnoc VI, Pula (Cagliari, Italia), 2009 September 22-25 (Oral Contribution: The first orbital monitoring of SAXJ1818.6-1703 with Swift)

ISSI meeting on "Strong gravitational field and ultra-dense matter in neutron stars", ISSI, Bern (Switzerland), 18-22 January, 2010.

Saas-fee Course, 14-20 March 2010, Les Diablerets, Switzerland (Oral contribution: The INTEGRAL view of the HMXBs)

XIX SIGRAV Conference on General relativity and Gravitational Physics, Scuola normale superiore di Pisa, Pisa (Italy), 27 September - 1 October 2010 (Oral contribution: Accretion processes in neutron star X-ray binaries)

8th INTEGRAL Workshop, 27 - 30 September 2010 Dublin, Ireland (Oral contribution: XMM-Newton observations of the supergiant fast X-ray transients XTEJ1739-302, IGRJ08408-4503 and IGRJ18410-0535)

ISSI meeting on "Strong gravitational field and ultra-dense matter in neutron stars", ISSI, Bern (Switzerland), 2011 March 28 - April 1

The X-ray Universe 2011, Berlin, Germany, 27 - 30 June 2011 (Oral contribution: XMM-Newton observation of IGRJ18410-0535: the ingestion of a massive clump by a supergiant fast X-ray transient).

The Extreme and Variable High Energy Sky, Chia Laguna, Italy, 21-23 September 2011 (Oral contribution: LOFT, the large observatory for X-ray timing)

The first LOFT Science Meeting, Amsterdam, The Netherlands, 26-28 October 2011 (Chair of a session, part of the SOC)

COSPAR, Mysore, India, 14-22 July 2012 (Oral contribution: Observing supergiant fast X-ray transients with LOFT; Solicited talk: LOFT - the Large Observatory For X-ray Timing; travel grant support from the CSR, Switzerland).

Half a Century of X-ray Astronomy, Mykonos, Greece, 17-21 September 2012 (Invited talk: LOFT - the Large Observatory For X-ray Timing).

The second LOFT Science Meeting, Toulouse, France, 24-27 September 2012 (Chair of a session, part of the SOC)

9th INTEGRAL workshop, Paris, France, 15-19 September 2012 (Oral contribution: XMM-Newton and Swift observations of XTEJ1743-363; Poster contribution: LOFT - The Large Observatory For X-ray Timing)

X-ray Binaries 13, Bormio, Italy, 14-18 January 2013 (Talk on LOFT - technical aspects of a new ESA M3 space mission design)

ISSI Meeting on "Unified View of Stellar Winds in Supergiant High Mass X-ray Binaries", Bern, Switzerland, 18-22 February 2013 (team member; 3 talks on wind

accretion in Supergiant Fast X-ray Transients and recent observational results from XMM-Newton)

Spectral/timing properties of accreting objects: from X-ray binaries to AGN, 3-5 April 2013, ESAC Madrid, Spain (Member of the SOC, Poster contribution on LOFT – The Large Observatory for X-ray Timing)

Physics at the Magnetospheric Boundary, 25-28 June 2013, Geneva, Switzerland (main organizer, chair of the SOC and LOC)

EWASS 2013, 8-13 July 2013, Turku, Finland (main organizer of the special session on LOFT; chair of the LOC and SOC)

AXRO – X-ray Optics meeting, 9-12 December 2013, Prague, Czech Republic (Invited talk: LOFT, the Large Observatory for X-ray Timing)

ISSI Meeting on “Unified View of Stellar Winds in Supergiant High Mass X-ray Binaries”, Bern, Switzerland, 17-21 February 2014 (team member; talk on wind accretion in Supergiant Fast X-ray Transients)

The JEM-EUSO collaboration meeting, 9-13 June 2014, Mondello, Italy (Talk on the Laser and Pointing system developments at the University of Geneva)

The Unquiet Universe, 9-14 Jun 2014, Cefalu, Italy (Invited talk: X-ray variability in High Mass X-ray Binaries)

Outflows from Massive Stars Symposium at the EWASS 2014, 30 June – 4 July 2014, Geneva, Switzerland (main organizer, chair of the LOC and SOC; Talk on “Clumpy accretion in Supergiant Fast X-ray Transients)

10th INTEGRAL Workshop - A Synergistic View of the High Energy Sky, 15-19 September 2014, Annapolis, MD, USA (Talk on the “Long-term soft X-ray characterization of SFXTs”).

ISSI Meeting on “The Disk-magnetosphere Interaction Around Transitional Millisecond Pulsars”, Bern, Switzerland, 2-6 March 2015 (team member; talk on low level accretion on transitional millisecond X-ray pulsars)

EWASS 2015, 22-26 June 2015, Tenerife, Spain (SOC member, Talk “On the low level X-ray emission of transitional millisecond pulsars)

Paving the way to multi-wavelength Astronomy, 13-17 July 2015, Leiden, The Netherlands (Chair of the Multi-wavelength observation strategies session)

The first scientific conference dedicated to the Athena X-ray observatory, 8-10 September 2015, Madrid, Spain (invited talk on “Report of the SWG3.3 activities and related science requirements”)

CNOC IX, 22-25 September 2015, Rome, Italy (Invited Talk: “Athena: the Advanced Telescope for High-ENergy Astrophysics”)

INTEGRAL 2015 workshop, 5-9 October 2015, Rome, Italy (Invited talk: “High Mass X-ray binaries: a review”)

ISSI Meeting on “Unified View of Stellar Winds in Supergiant High Mass X-ray Binaries”, Bern, Switzerland, 15-19 February 2016 (team member; 3 talks on wind

accretion in Supergiant Fast X-ray Transients and recent observational results from XMM-Newton)

SPIE, Edinburgh, United Kingdom, 27 June–1 July 2016 (Talk: “The Euclid/VIS shutter unit”; Poster: “The Athena X-IFU filter wheel and filters development”)

11th INTEGRAL Conference - Gamma-Ray Astrophysics in Multi-Wavelength Perspective, Utrecht, The Netherlands, 10-14 October 2016 (Talk: “Multi-wavelength observations of IGR J17544-2619 from quiescence to outburst”)

7 years of MAXI: Monitoring X-ray transients, Wako, Japan, 5-7 December 2016 (Talk: Monitoring Supergiant Fast X-ray Transients with Swift and XMM-Newton”)

High Throughput X-ray Astronomy in the eXTP Era, Rome, Italy, 6-8 February 2017 (Chair of the LOC and member of the SOC)

EWASS2017, Prague, Czech Republic, 26-30 June 2017 (Co-organizer of the S10 event: “Properties and evolution of accreting compact objects in low and high mass X-ray binaries”)

The Power of X-ray Spectroscopy, Warsaw, Poland, 6-8 September 2017 (Member of the SOC)

The *INTEGRAL* Symposium 2017, Venice, Italy, 15-20 October 2017 (Talk on “Latest results on Supergiant Fast X-ray Transients”)

CNOC X, Padova, Italy, 12-15 December 2017 (Invited talk on “Neutron Stars in XRBs”)

List of publications in referred journals¹

1. Stratta, G. et al. THESEUS: a key space mission for Multi-Messenger Astrophysics; 2018, *Advances in Space Science*, submitted
2. Sanna, A. et al. Discovery of 105 Hz coherent pulsations in the ultracompact binary IGR J16597-3704; 2017, *A&A*, in press
3. Amati, L. et al. The Transient High Energy Sky and Early Universe Surveyor (THESEUS); 2017, *Advances in Space Research*, submitted

¹ All my publications can be accessed on-line through the [7](http://adsabs.harvard.edu/cgi-bin/nph-abs_connect?db_key=AST&db_key=PRE&qform=AST&arxiv_sel=astro-ph&arxiv_sel=cond-mat&arxiv_sel=cs&arxiv_sel=gr-qc&arxiv_sel=hep-ex&arxiv_sel=hep-lat&arxiv_sel=hep-ph&arxiv_sel=hep-th&arxiv_sel=math&arxiv_sel=math-ph&arxiv_sel=nlin&arxiv_sel=nucl-ex&arxiv_sel=nucl-th&arxiv_sel=physics&arxiv_sel=quant-ph&arxiv_sel=q-bio&sim_query=YES&ned_query=YES&adsobj_query=YES&aut_logic=SIMPLE&obj_logic=OR&author=%2Bbozzo%2C+e.%0D%0A-Franceschet&object=&start_mon=&start_year=2005&end_mon=&end_year=&ttitle_logic=OR&title=&txt_logic=OR&text=&nr_to_return=20000&start_nr=1&journal_pick=ALL&ref_stems=&data_and=ALL&group_and=ALL&start_entry_day=&start_entry_month=&start_entry_year=&end_entry_day=&end_entry_month=&end_entry_year=&min_score=&sort=SCORE&data_type=SHORT&aut_syn=YES&ttitle_syn=YES&txt_syn=YES&aut_wt=1.0&obj_wt=1.0&ttitle_wt=0.3&txt_wt=3.0&aut_wgt=YES&obj_wgt=YES&ttitle_wgt=YES&txt_wgt=YES&ttitle_sco=YES&txt_sco=YES&version=1)</p></div><div data-bbox=)

4. Savchenko, V. et al. INTEGRAL Detection of the First Prompt Gamma-Ray Signal Coincident with the Gravitational-wave Event GW170817; 2017, *ApJ*, 848, 15
5. Abbott, B. P. et al. Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817 $^{\circ}$; 2017, *ApJ*, 848, 13
6. Abbott, B. P. et al. Multi-messenger Observations of a Binary Neutron Star Merger; 2017, *ApJ*, 848, 12
7. Bozzo, E.; Oskinova, L.; Lobel, A.; Hamann, W.-R. The super-orbital modulation of supergiant high-mass X-ray binaries; 2017, *A&A*, 606, 10
8. Bozzo, E.; Bernardini, F.; Ferrigno, C.; Falanga, M.; Romano, P.; Oskinova, L. The accretion environment of Supergiant Fast X-ray Transients probed with XMM-Newton; 2017, *A&A*, in press
9. Tauris, T. M.; Kramer, M.; Freire, P. C. C.; et al. Formation of Double Neutron Star Systems; 2017, *ApJ*, in press
10. Savchenko, V.; Ferrigno, C.; Bozzo, E.; et al. INTEGRAL observations of GW170104; 2017, *ApJL*, 846, 23
11. Savchenko, V.; Bazzano, A.; Bozzo, E.; et al. INTEGRAL IBIS, SPI, and JEM-X observations of LVT151012; 2017, *A&A*, 603, 46
12. Abdellaoui, G.; Abe, S.; Acheli, A.; Adams, J. H.; et al. Meteor studies in the framework of the JEM-EUSO program; 2017, *P&SS*, 143, 245
13. Martínez-Núñez, Silvia; Kretschmar, Peter; Bozzo, Enrico; Oskinova, Lidia M.; Puls, Joachim; Sidoli, Lara; Sundqvist, Jon Olof; Blay, Pere; Falanga, Maurizio; Fürst, Felix; and 6 coauthors Towards a Unified View of Inhomogeneous Stellar Winds in Isolated Supergiant Stars and Supergiant High Mass X-Ray Binaries; 2017, *Space Science Review*, 212, 59
14. Sanna, A.; Riggio, A.; Burderi, L.; Pintore, F.; Di Salvo, T.; D'Ai, A.; Bozzo, E.; Esposito, P.; Segreto, A.; Scarano, F.; and 2 coauthors Study of the accretion torque during the 2014 outburst of the X-ray pulsar GRO J1744-28; 2017, *MNRAS*, 469, 2
15. De Falco, V.; Kuiper, L.; Bozzo, E.; Ferrigno, C.; Poutanen, J.; Stella, L.; Falanga, M. The transitional millisecond pulsar IGR J18245-2452 during its 2013 outburst at X-rays and soft gamma-rays; 2017, *A&A*, in press
16. Molkov, S.; Lutovinov, A.; Falanga, M.; Tsygankov, S.; Bozzo, E. Near-periodical spin period evolution in the binary system LMC X-4; 2016, *MNRAS*, 464, 2039
17. Matranga, M.; Papitto, A.; Di Salvo, T.; Bozzo, E.; Torres, D. F.; Iaria, R.; Burderi, L.; Rea, N.; de Martino, D.; Sanchez-Fernandez, C.; and 3 coauthors An XMM-Newton and INTEGRAL view on the hard state of EXO 1745-248 during its 2015 outburst; 2017, *A&A*, 603, 39
18. Sanna, A.; Pintore, F.; Bozzo, E.; Ferrigno, C.; Papitto, A.; Riggio, A.; Di Salvo, T.; Iaria, R.; D'Ai, A.; Egron, E.; Burderi, L. Spectral and timing properties of IGR J00291+5934 during its 2015 outburst; 2016, *MNRAS*, in press
19. Papitto, A.; Bozzo, E.; Sanchez-Fernandez, C.; Romano, P.; Torres, D. F.; Ferrigno, C.; Kajava, J. J. E.; Kuulkers, E. The 2015 outburst of the accreting millisecond pulsar IGR J17511-3057 as seen by INTEGRAL, Swift, and XMM-Newton; 2016, *A&A*, 596, 71
20. De Falco, V.; Kuiper, L.; Bozzo, E.; Galloway, D. K.; Poutanen, J.; Ferrigno, C.; Stella, L.; Falanga, M. The 2015 outburst of the accretion-powered pulsar IGR J00291+5934: INTEGRAL and Swift observations; 2016, *A&A*, in press
21. Ferrigno, C.; Bozzo, E.; Sanna, A.; Pintore, F.; Papitto, A.; Riggio, A.; Burderi, L.; Di Salvo, T.; Iaria, R.; D'Ai, A. Discovery of a soft X-ray 8 mHz

- QPO from the accreting millisecond pulsar IGR J00291+5934; 2016, MNRAS, in press
22. Rea, N.; Coti Zelati, F.; Esposito, P.; D'Avanzo, P.; de Martino, D.; Israel, G. L.; Torres, D. F.; Campana, S.; Belloni, T. M.; Papitto, A.; et al. Multiband study of RX J0838-2827 and XMM J083850.4-282759: a new asynchronous magnetic cataclysmic variable and a candidate transitional millisecond pulsar; 2017, MNRAS, 471, 2902
 23. Sanna, A.; Papitto, A.; Burderi, L.; Bozzo, E.; Riggio, A.; Di Salvo, T.; Ferrigno, C.; Rea, N.; Iaria, R. Discovery of a new accreting millisecond X-ray pulsar in the globular cluster NGC 2808; A&A, in press
 24. Bozzo, E.; Bhalerao, V.; Pradhan, P.; Tomsick, J.; Romano, P.; Ferrigno, C.; Chaty, S.; Oskinova, L.; Manousakis, A.; Walter, R.; and 5 coauthors Multi-wavelength observations of IGR J17544-2619 from quiescence to outburst; 2016, A&A, 596, 16
 25. Ferrigno, Carlo; Ducci, Lorenzo; Bozzo, Enrico; Kretschmar, Peter; Kühnel, Matthias; Malacaria, Christian; Pottschmidt, Katja; Santangelo, Andrea; Savchenko, Volodymyr; Wilms, Jörn Two giant outbursts of V0332+53 observed with INTEGRAL; 2016, A&A, 595, 17
 - 26.
 27. Ponti, G.; Jin, C.; De Marco, B.; Rea, N.; Rau, A.; Haberl, F.; Coti Zelati, F.; Bozzo, E.; Ferrigno, C.; Bower, G. C.; Demorest, P. Swift J174540.7-290015: a new accreting binary in the Galactic Center; 2016, MNRAS, 461, 2688
 28. Ferrigno, Carlo; Pjanka, Patryk; Bozzo, Enrico; Klochkov, Dmitry; Ducci, Lorenzo; Zdziarski, Andrzej A. Glancing through the accretion column of EXO 2030+375; 2016, A&A, 593, 105
 29. Romano, P.; Bozzo, E.; Esposito, P.; Sbarufatti, B.; Haberl, F.; Ponti, G.; D'Avanzo, P.; Ducci, L.; Segreto, A.; Jin, C.; and 4 coauthors Searching for supergiant fast X-ray transients with Swift; 2016, A&A, 593, 96
 30. Pavan, L.; Pühlhofer, G.; Bordas, P.; Audard, M.; Balbo, M.; Bozzo, E.; Eckert, D.; Ferrigno, C.; Filipović, M. D.; Verdugo, M.; Walter, R. Closer view of the IGR J11014-6103 outflows; A&A, 591, 91
 31. Dall'Osso, S.; Perna, R.; Papitto, A.; Bozzo, E.; Stella, L. The accretion regimes of a highly magnetized NS: the unique case of NuSTAR J095551+6940.8; 2016, MNRAS, 457, 3076
 32. Bozzo, E.; Pjanka, P.; Romano, P.; Papitto, A.; Ferrigno, C.; Motta, S.; Zdziarski, A. A.; Pintore, F.; Di Salvo, T.; Burderi, L.; IGR J17451-3022: a dipping and eclipsing low mass X-ray binary; 2016, A&A, 589, 42
 33. Zdziarski, A. A.; Ziolkowski, J.; Bozzo, E.; Pjanka, P. IGR J17451-3022: constraints on the nature of the donor star; 2016, A&A, submitted
 34. Bozzo, E.; Oskinova, L.; Feldmeier, A.; Falanga, M. Clumpy wind accretion in supergiant neutron star high mass X-ray binaries; 2016, A&A, 589, 102
 35. Abbott, B. P.; Abbott, R.; Abbott, T. D.; Abernathy, M. R.; Acernese, F.; Ackley, K.; Adams, C.; Adams, T.; Addesso, P.; Adhikari, R. X.; et al. Localization and broadband follow-up of the gravitational-wave transient GW150914; 2016, ApJ, in press
 36. Farinelli, R.; Ferrigno, C.; Bozzo, E.; Becker, P. A. A new model for the X-ray continuum of the magnetized accreting pulsars; 2016, A&A, 591, 29
 37. Savchenko, V.; Ferrigno, C.; Mereghetti, S.; Natalucci, L.; Bazzano, A.; Bozzo, E.; Brandt, S.; Courvoisier, T. J.-L.; Diehl, R.; Hanlon, L.; et al. INTEGRAL upper limits on gamma-ray emission associated with the gravitational wave event GW150914; 2016, ApJ, 820, 36

38. Pradhan, Pragati; Paul, Biswajit; Paul, B. C.; Bozzo, Enrico; Belloni, Tomaso M. Is 4U 0114+65 an eclipsing HMXB?; 2016, MNRAS, 454, 4467
39. Bozzo, E.; Romano, P.; Falanga, M.; Ferrigno, C.; Papitto, A.; Krimm, H. A. Swift J1734.5-3027: a new long Type-I X-ray bursting source; 2015, A&A, 579, 56
40. Walter, Roland; Lutovinov, Alexander A.; Bozzo, Enrico; Tsygankov, Sergey S. High-Mass X-ray Binaries in the Milky Way: A closer look with INTEGRAL; 2015, A&A Rev. , in press (astro-ph/1505.03651)
41. Pintore, F.; Salvo, T. Di; Bozzo, E.; Sanna, A.; Burderi, L.; D'Ai, A.; Riggio, A.; Scarano, F.; Iaria, R. Study of the reflection spectrum of the accreting neutron star GX 3+1 using XMM-Newton and INTEGRAL; 2015, A&A, 450, 2016
42. D'Ai, A.; Di Salvo, T.; Iaria, R.; García, J. A.; Sanna, A.; Pintore, F.; Riggio, A.; Burderi, L.; Bozzo, E.; Dauser, T.; et al. GRO J1744-28: an intermediate B-field pulsar in a low-mass X-ray binary; 2015, MNRAS, 449, 4288
43. Rodríguez Frías, M. D.; Toscano, S.; Bozzo, E.; del Peral, L.; Neronov, A.; Wada, S. The Atmospheric Monitoring System of the JEM-EUSO space mission; 2015, EPJWC, 8902007
44. Romano, P.; Bozzo, E.; Mangano, V.; Esposito, P.; Israel, G.; Tiengo, A.; Campana, S.; Ducci, L.; Ferrigno, C.; Kennea, J. A. Giant outburst from the supergiant fast X-ray transient IGR J17544-2619: accretion from a transient disc?; 2015, A&A, 576, 4
45. Del Monte, E.; Evangelista, Y.; Bozzo, E.; Cadoux, F.; Rachevski, A.; Zampa, G.; Zampa, N.; Feroci, M.; Pohl, M.; Vacchi, A. The effect of the displacement damage on the Charge Collection Efficiency in Silicon Drift Detectors for the LOFT satellite; 2015, JINST in press (arxiv:1503.07682)
46. Sidoli, L.; Paizis, A.; Fürst, F.; Torrejón, J. M.; Kretschmar, P.; Bozzo, E.; Pottschmidt, K. Probing large-scale wind structures in Vela X-1 using off-states with INTEGRAL; 2015, MNRAS, 447, 1299
47. Falanga, M.; Bozzo, E.; Lutovinov, A.; Bonnet-Bidaud, J. M.; Fetisova, Y.; Puls, J. The ephemeris, orbital decay, and masses of 10 eclipsing HMXBs; A&A, 577, 130
48. Bozzo, E.; Romano, P.; Ducci, L.; Bernardini, F.; Falanga, M. Supergiant fast X-ray transients as an under-luminous class of supergiant X-ray binaries; 2015, AdSpR, 55, 1255
49. Sidoli, L.; Paizis, A.; Fürst, F.; Torrejón, J. M.; Kretschmar, P.; Bozzo, E.; Pottschmidt, K. Probing large-scale wind structures in Vela X-1 using off-states with INTEGRAL; 2015, MNRAS, 447, 1299
50. Bozzo, E.; Papitto, A.; Ferrigno, C.; Belloni, T. M. A ~ 100 mHz QPO in the X-ray emission from IGR J17361-4441; 2014, A&A, 570, 2
51. Ferrigno, C.; Farinelli, R.; Bozzo, E.; Pottschmidt, K.; Klochkov, D.; Kretschmar, P. RX J0440.9 + 4431: a persistent Be/X-ray binary in outburst; 2013, A&A, 553, 103
52. Bozzo, E.; Romano, P.; Ferrigno, C.; Esposito, P.; Mangano, V. Observations of supergiant fast X-ray transients with LOFT; 2013, AdSpr, 51, 1593
53. Bozzo, E.; Romano, P.; Ferrigno, C.; Campana, S.; Falanga, M.; Israel, G.; Walter, R.; Stella, L. XMM-Newton and Swift observations of XTE J1743-363; 2013, A&A, 556, 30
54. Papitto, A.; Ferrigno, C.; Bozzo, E.; Rea, N.; Pavan, L.; Burderi, L.; Burgay, M.; Campana, S.; di Salvo, T.; Falanga, M.; and 13 coauthors Swings between

- rotation and accretion power in a binary millisecond pulsar; 2013, *Nature*, 501, 517
55. Ferrigno, C.; Bozzo, E.; Papitto, A.; Rea, N.; Pavan, L.; Campana, S.; Wieringa, M.; Filipovic, M.; Falanga, M.; Stella, L. "Hiccup" accretion in the swinging pulsar IGR J18245-2452; 2014 *A&A*, 567, 77
 56. Pavan, L.; Bordas, P.; Pühlhofer, G.; Filipovic, M. D.; De Horta, A.; O'Brien, A.; Balbo, M.; Walter, R.; Bozzo, E.; Ferrigno, C.; and 2 coauthors The long helical jet of the Lighthouse nebula, IGR J11014-6103; 2014, *A&A*, 562, 122
 57. Filippova, E.; Bozzo, E.; Ferrigno, C. INTEGRAL and Swift observations of the hard X-ray transient MAXI J1828-249; 2014, *A&A*, 563, 124
 58. Romano, P.; Ducci, L.; Mangano, V.; Esposito, P.; Bozzo, E.; Vercellone, S. Soft X-ray characterisation of the long term properties of Supergiant Fast X-ray Transients; 2014, *A&A* in press, 568, 55
 59. Papitto, A.; D'Ai, A.; Di Salvo, T.; Egron, E.; Bozzo, E.; Burderi, L.; Iaria, R.; Riggio, A.; Menna, M. T. *The accretion flow to the intermittent accreting millisecond pulsar, HETE J1900.1-2455, as observed by XMM-Newton and RXTE*; 2013, *MNRAS*, 429, 3411
 60. Feroci, M.; Stella, L.; van der Klis, M.; Courvoisier, T. J.-L.; Hernanz, M.; Hudec, R.; Santangelo, A.; Walton, D.; Zdziarski, A.; Barret, D.; and 193 coauthors *The Large Observatory for X-ray Timing (LOFT)*; 2012, *ExA*, 34, 415
 61. Bozzo, E.; Ferrigno, C.; Türler, M.; Manousakis, A.; Falanga, M. IGR J18179-1621: an obscured X-ray pulsar discovered by INTEGRAL; 2012, *A&A*, 545A, 83
 62. Falanga, M.; Kuiper, L.; Poutanen, J.; Galloway, D. K.; Bozzo, E.; Goldwurm, A.; Hermsen, W.; Stella, L. Spectral and timing properties of the accreting X-ray millisecond pulsar IGR J17498-2921; 2012, *A&A*, 545, 26
 63. Bozzo, E.; Pavan, L.; Ferrigno, C.; Falanga, M.; Campana, S.; Paltani, S.; Stella, L.; Walter, R. XMM-Newton observations of four high mass X-ray binaries and IGR J17348-2045; 2012, *A&A*, 544, 118
 64. D'Ai, A.; Bozzo, E.; Papitto, A.; Iaria, R.; Di Salvo, T.; Burderi, L.; Riggio, A.; Egron, E.; Robba, N. R. A complete X-ray spectral coverage of the 2010 May-June outbursts of Circinus X-1; 2012, *A&A*, 543, 20
 65. Papitto, A.; Di Salvo, T.; Burderi, L.; Belloni, T. M.; Stella, L.; Bozzo, E.; D'Ai, A.; Ferrigno, C.; Iaria, R.; Motta, S.; and 2 coauthors The pulse profile and spin evolution of the accreting pulsar in Terzan 5, IGR J17480-2446, during its 2010 outburst; 2012, *MNRAS*, 423, 1178
 66. Capitanio, F.; Del Santo, M.; Bozzo, E.; Ferrigno, C.; De Cesare, G.; Paizis, A. The peculiar 2011 outburst of the black hole candidate IGR J17091-3624, a GRS 1915+105-like source?; 2012, *MNRAS*, 422, 3130
 67. Ferrigno, C.; Bozzo, E.; Del Santo, M.; Capitanio, F. The first outburst of the black-hole candidate MAXI J1836-194 observed by INTEGRAL, Swift, and RXTE; 2012, *A&A*, 537, 7
 68. Papitto, A.; Bozzo, E.; Ferrigno, C.; Belloni, T.; Burderi, L.; di Salvo, T.; Riggio, A.; D'Ai, A.; Iaria, R. The discovery of the 401 Hz accreting millisecond pulsar IGR J17498-2921 in a 3.8 h orbit; 2011, *A&A*, 535, 4
 69. Bozzo, E.; Ferrigno, C.; Stevens, J.; Belloni, T. M.; Rodriguez, J.; den Hartog, P. R.; Papitto, A.; Kreykenbohm, I.; Fontani, F.; Gibaud, L. IGR J17361-4441: a possible new accreting X-ray binary in NGC 6388; 2011, *A&A*, 535, 1
 70. D'Avanzo, P.; Campana, S.; Muñoz-Darias, T.; Belloni, T.; Bozzo, E.; Falanga, M.; Stella, L. A search for the near-infrared counterpart of the eclipsing millisecond X-ray pulsar Swift J1749.4-2807; 2011, *A&A*, 534, 92

71. Pavan, L.; Bozzo, E.; Pühlhofer, G.; Ferrigno, C.; Balbo, M.; Walter, R. IGR J11014-6103: a newly discovered pulsar wind nebula?; 2011, *A&A*, 533, 74
72. Ferrigno, C.; Falanga, M.; Bozzo, E.; Becker, P. A.; Klochkov, D.; Santangelo, A. 4U 0115 + 63: phase lags and cyclotron resonant scattering; 2011, *A&A*, 532, 76
73. Bozzo, E.; Giunta, A.; Cusumano, G.; Ferrigno, C.; Walter, R.; Campana, S.; Falanga, M.; Israel, G.; Stella, L. XMM-Newton observations of IGR J18410-0535: the ingestion of a clump by a supergiant fast X-ray transient; 2011, *A&A*, 531, 130
74. Bozzo, E.; Ferrigno, C.; Falanga, M.; Walter, R. INTEGRAL and Swift observations of IGR J19294+1816 in outburst; 2011, *A&A*, 531, 65
75. Falanga, M.; Bozzo, E.; Walter, R.; Sarty, G. E.; Stella, L. Searching for Orbital Periods of Supergiant Fast X-ray Transients; 2011, *JAVSO*, 39, 110
76. Falanga, M.; Kuiper, L.; Poutanen, J.; Galloway, D. K.; Bonning, E. W.; Bozzo, E.; Goldwurm, A.; Hermsen, W.; Stella, L. Spectral and timing properties of the accreting X-ray millisecond pulsar IGR J17511-3057; 2011, *A&A*, 529, 68
77. Pavan, L.; Bozzo, E.; Ferrigno, C.; Ricci, C.; Manousakis, A.; Walter, R.; Stella, L. AX J1910.7+0917 and three newly discovered INTEGRAL sources; 2011, *A&A*, 526, 122
78. Ferrigno, C.; Bozzo, E.; Falanga, M.; Stella, L.; Campana, S.; Belloni, T.; Israel, G. L.; Pavan, L.; Kuulkers, E.; Papitto, A. INTEGRAL, Swift, and RXTE observations of the 518 Hz accreting transient pulsar Swift J1749.4-2807; 2011, *A&A*, 525, 48
79. Papitto, A.; Riggio, A.; di Salvo, T.; Burderi, L.; D'Ai, A.; Iaria, R.; Bozzo, E.; Menna, M. T. The X-ray spectrum of the newly discovered accreting millisecond pulsar IGR J17511-3057; 2010, *MNRAS*, 407, 2575
80. Bozzo, E.; Stella, L.; Ferrigno, C.; Giunta, A.; Falanga, M.; Campana, S.; Israel, G.; Leyder, J. C. The supergiant fast X-ray transients XTE J1739-302 and IGR J08408-4503 in quiescence with XMM-Newton; 2010, *A&A*, 519, 6
81. Miniutti, G.; Piconcelli, E.; Bianchi, S.; Vignali, C.; Bozzo, E. Does the X-ray emission of the luminous quasar RBS 1124 originate in a mildly relativistic outflowing corona?; 2010, *MNRAS*, 401, 1315
82. Bozzo, E.; Ferrigno, C.; Falanga, M.; Campana, S.; Kennea, J. A.; Papitto, A. Swift monitoring of the new accreting millisecond X-ray pulsar IGR J17511-3057 in outburst; 2010, *A&A*, 509, 3
83. Giunta, A.; Bozzo, E.; Bernardini, F.; Israel, G.; Stella, L.; Falanga, M.; Campana, S.; Bazzano, A.; Dean, A. J.; Mendez, M. The supergiant fast X-ray transient IGRJ18483-0311 in quiescence: XMM-Newton, Swift and Chandra observations; 2009, *MNRAS*, 399, 744
84. Trap, G.; Falanga, M.; Goldwurm, A.; Bozzo, E.; Terrier, R.; Ferrando, P.; Porquet, D.; Grosso, N.; Sakano, M. Bursting behavior of the Galactic center faint X-ray transient GRS 1741.9-2853; 2009, *A&A*, 504, 501
85. Bozzo, E.; Giunta, A.; Stella, L.; Falanga, M.; Israel, G.; Campana, S. Swift observations of IGR J16479-4514 in outburst; 2009, *A&A*, 502, 21
86. Falanga, M.; Cumming, A.; Bozzo, E.; Chenevez, J. The new intermediate long-bursting source XTE J1701-407; 2009, *A&A*, 496, 333
87. Bozzo, E.; Stella, L.; Vietri, M.; Ghosh, P. Can disk-magnetosphere interaction models and beat frequency models for quasi-periodic oscillation in accreting X-ray pulsars be reconciled?; 2009, *A&A*, 493, 80Z
88. Bozzo, E.; Stella, L.; Israel, G.; Falanga, M.; Campana, S. IGRJ16479-4514: the first eclipsing supergiant fast X-ray transient?; 2008, *MNRAS*, 391, 108

- 89.Bozzo, E.; Falanga, M.; Stella, L. Are There Magnetars in High-Mass X-Ray Binaries? The Case of Supergiant Fast X-Ray Transients; 2008, ApJ, 683, 1031
- 90.Bozzo, E.; Falanga, M.; Papitto, A.; Stella, L.; Perna, R.; Lazzati, D.; Israel, G.; Campana, S.; Mangano, V.; di Salvo, T.; Burderi, L. X-ray eclipse time delays in 4U 2129+47; 2007, A&A, 476, 301
- 91.Falanga, M.; Bozzo, E.; Stella, L.; Burderi, L.; di Salvo, T.; Perna, R. On the maximum efficiency of the propeller mass-ejection mechanism; 2007, A&A, 464, 807
- 92.Perna, Rosalba; Bozzo, Enrico; Stella, Luigi On the Spin-up/Spin-down Transitions in Accreting X-Ray Binaries; 2006ApJ, 639, 363