CURRICULUM VITAE **Piero Rosati**

Address: Department of Physics and Earth Sciences
University of Ferrara
Via G.Saragat, 1 - 44122 Ferrara, Italy
Tel: (+39) 0532-974220
Email: rosati@fe.infn.it http://www.fe.infn.it/u/rosati

Education

1992-1995 *Doctorate of Research in Astronomy*, University of Rome "La Sapienza", Italy. Visiting grad student at Johns Hopkins University (Baltimore). Thesis title: *X-ray selected samples of galaxy clusters: source detetection algorithms, optical observations and cluster number counts* (supervisors: R.Giacconi, C.Norman).

1982-1989 *Laurea of "Dottore in Fisica"* (equivalent to Bachelor + Master Degree in Physics), University of Rome "La Sapienza", Italy

Research Interests:

Observational Cosmology; X–ray and Optical Studies of Distant Galaxy Clusters; Galaxy Formation and Evolution; First galaxies; Gravitational Lensing and Dark Matter; High-energy astrophysics: cosmic X–ray Background/AGN evolution

Career

Sep 2013 – present	Full Professor in Astrophysics at University of Ferrara (Italy)
Mar 2022 – present	Visiting Scientist at JHU Physics and Astronmy Department
May 99 – Sep 13	Staff Astronomer at the European Southern Observatory (ESO, Garching bei München) - Full Astronomer since July 2005
Dec 11 – Sep 13:	Instrument Scientist in the Instrument Division
Jun 08 – Dec 10:	Hubble Legacy Archive group lead in the Space Telescope European Coordinating Facility (ST-ECF)
Nov 04 – May 08:	Head of the Advanced Data Products Group in the VO System Department (Data Management&Operations Division)
May 05 – Dec 05:	Associate Astronomer (on-leave) at the Trieste Observatory (Italy)
May 99 – May 03:	Deputy of the VLT Programme Scientist
Feb 99 – Apr 99:	ESO Senior Fellow, ESO, Garching, Germany
Feb 98 – Dec 02:	Visiting Professor, Johns Hopkins University, Baltimore, USA
Feb 97 – Jan 99:	ESO Post Doctoral Fellow, ESO, Garching, Germany
Jan 95 – Jan 97:	Post Doctoral Fellow, Johns Hopkins University, Baltimore
Sep 92 – Dec 94:	Visiting Graduate Student, Johns Hopkins University, Baltimore
Jan 92 – Dec 94:	Research Doctorate Student, University of Rome "La Sapienza", Italy
Jan 91 – Dec 91:	Research Assistant, University of Rome, Italy
1992:	Research Fellowship "Angelo Della Riccia", Space Telescope Science Institute, Baltimore, MD (USA)
1990:	Research Fellowship "Angelo Della Riccia", NASA Jet Propulsion Laboratory, Pasadena, CA (USA)

CV Abstract:

PR is primarily an observational astrophysicist working in the field of cosmology, with a broad and deep expertise in multi-wavelength surveys, as well as in imaging and spectroscopic studies in the optical-IR and X-ray bands of distant galaxy clusters, distant galaxies and Active-Galactic Nuclei. In his early carrier, primarily spent at Johns Hopkins University (Baltimore, USA), he constructed the then largest sample of distant X-ray selected galaxy clusters (the ROSAT Deep Cluster Survey, RDCS) and used these data to constrain cluster evolution and cosmological parameters. He had a co-leading role in the Chandra Deep Field South (CDF-S) project by planning the X-ray survey, carrying out a multi-wavelength program of source identification and publishing the first scientific results. He led the ESO-GOODS public survey in the context of the Great Observatories Origins Deep Survey (GOODS) project, designed to study galaxy formation and evolution over a wide range of cosmic lookback time. He led several studies of the most distant galaxy clusters – particularly with HST/ACS, Chandra and two VLT Large Programmes – investigating their galaxy populations and mass distributions with lensing and dynamical techniques. He was involved in the definition of the Euclid mission as a member of the ESA Science Study Team. He is currently engaged in a new study of the dark matter distribution in massive clusters and distant primordial galaxies exploiting strong gravitational lensing with CLASH-VLT, HST, JWST. and Euclid observations. As a staff astronomer at ESO, he was the deputy of the VLT Programme Scientist, carrying out the science verification of the first generation VLT instruments; he led the Advanced Data Products group, the Hubble Legacy Archive group in the Space Telescope European Coordinating Facility, and was Instrument Scientist of the VLT survey spectrographs. Since Sept 2013 is full professor in Astrophysics at University of Ferrara (Italy).

Publications (as of March 2025):
419 on refereed journal + 94 selected from non-refereed journals.
Citations from ADS: 41,700; H-index= 107
4 publications in Nature, 4 in Nature Astronomy, 2 in Science

Invited Talks (as of March 2025, see attachment):
· 41 Invited and Review talks at International Conferences since 2001
· 25 Colloquia and Seminars in 15 scientific/academic institutes in EU and US since 1999

Teaching activity

• **Courses at University of Ferrara**
2018-present : *"Astrofisica"* for B.Sc. in Physics
2019-present : *"Astrofisica Sperimentale"* for B.Sc. in Physics
2014-2017 : *"Elementi di Astrofisica"* for B.Sc. in Physics
2014-present : *"Observational Cosmology"* for M.Sc. in Physics
2014-present : *"Astrophysical probes of dark matter"* for PhD in Physics
2013-2018 : *"Fisica I"* for B.Sc. in Chemistry
2013-2014 : *"Misure Astronomiche"* for B.Sc. in Physics

- **Supervision (co-supervision) of 20 (4) PhD Thesis** at ESO, MPE, University of Ferrara (2007-2024)
- **Invited Lectures**: 20 Lectures/Courses on Observational Cosmology and Extra-galactic Astronomy in 14 International Schools in the last 20 years (see attachment)
- Lecturer at the IRAP (International Relativistic Astrophysics Program) PhD Erasmus school

- **Outreach activity**: > 10 public seminars in Italy since 2013

Recent committees, boards, commissions of trust

- Member of "The Wide-field Spectroscopic Telescope" (WFT) study team
- PI of Rubin-LSST in-kind contribution project "A Cluster Spectroscopy Hub for galaxy cluster science with LSST"
- Member of the "Athena Independent Science Review" ESA Panel (2021-22)
- Member of AXIS (Advanced X-ray Imaging Satellite) mission study team
- Coordinatore Unico del Corso di Studi in Fisica (University of Ferrara) (10/2016 - 6/2017)
- Member of PhD Board (Collegio di Dottorato), University of Ferrara (since 2013)
- Member of Scientific Organizing Committees of 28 international meetings (1999-2023), Chair or co-Chair of 12 of those
- Time allocation committees of NASA Hubble Space Telescope, NASA Chandra X-ray telescope, ESA Herschel and several major ground-based telescopes
- Referee for all major astrophysical journals, ERC Advanced/Starting grants and other national funding agencies in Europe, US and Chile
- ESA mission THESEUS: Core Team, coordinator of WG "Synergies with other facilities" (2018-2021)
- Member of VLT/MAVIS (MCAO Assisted Visible Imager and Spectrograph) Science Team
- Co-founder and Science Board Member of the Sexten Center for Astrophysics (BZ, Italy)
- Adjunct Professor of the Faculty of ICRANet (International Center for Relativistic Astrophysics Network) (2010-)
- Euclid Cluster Science Working Group member (External data WP coordinator) (2013-20)
- Junior PI in the Excellence Cluster Universe - Area E (Technische Universität München, Garching) (2006-2013)
- EUCLID (ESA Dark Energy Mission) Science Study Team member (2008-2009) - Co-chair of the Cosmology and Simulations Working Groups (2009-2011)
- Member of the E-ELT (European Extremely Large Telescope) Science Working Group (2006-2012)
- Hubble Legacy Archive Board member (2007-2011)
- HST/ACS (Advanced Camera for Surveys) Science Team member (1999-2008)
- Member of the ESO Survey Team (2006-2008)
- Chair of the VLT/Sinfoni Instrument Science Team (2000-2004)
- Topical Editor of il Nuovo Cimento B - Area: Astrophysics (2009-2010)

Fellowships, Grants & Awards

Awardee of Visiting Programs

- Visitor Scientist at the Munich Institute for Astro and Particle Physics (MIAPP), Garching b. München, Jul 2023
- Stephen Murray Distinguished Visitor Program of the High Energy Division at the *Harvard-Smithsonian Astrophysical Observatory*, Cambridge, MA (USA), Sep 2017
- Visitor Scientist at the "Excellence Cluster Munich", Garching b. München, Jul 2016
- Visitor Scientist at the "Excellence Cluster Munich", Sternwarte München, Jun-Jul 2015
- Visitor Scientist at the *Kavli Institute of Theoretical Physics*, Santa Barbara (USA), Mar 2011
- Visitor Scientist at the *Kavli Institute of Theoretical Physics*, Santa Barbara (USA), Nov 2004
- Visiting Professor at *Johns Hopkins University*, Baltimore, USA (1998-2002)

Grants since at University of Ferrara (9/2013)

- Co-I of National grant PRIN-MIUR2020 SKSTHZ (2021– on going) (458 KEur), coordinator of University of Ferrara node – *"GRAAL: GRAvitational lensing in galaxy clusters next-generation proposAL "*
- PI of National grant PRIN-MIUR2017 WSCC32 (2019– on going) (620 KEur) – *"ZOOMING: Zoom in Observations Of Massive clusters and INfant Galaxies"*
- European Horizon 2020 project *AHEAD-2020 (Integrated Activities in the High Energy Astrophysics Domain)* , (4/2020– on going) Coordinator of University of Ferrara node (153 KEur)
- PI of ASI program "Analisi dati, Teoria e Simulazioni" (ASI-INAF n. 2017-14-H.0) (15 KEur)
- PRIN–INAF (2014–2016): "Glittering kaleidoscopes in the sky: the multifaceted nature and role of Galaxy Clusters", Coordinator of University of Ferrara node (44 KEur)
- European Horizon 2020 project *AHEAD (Integrated Activities in the High Energy Astrophysics Domain)* , (9/2015–2/2019) Coordinator of University of Ferrara node (190 KEur)
- PI of ASI Contract (2015-2017), "*Upgrading Facility LARIX*" (110 KEur)
- Erasmus Mundus Joint Doctorates (EJMD) program, IRAP (International Relativistic Astrophysics) Ph.D. (18 KEur) (2014-2017)
- Recipient of a postdoctoral fellowship funded by CAPES (Brazil)-ICRANet program (Dr. G.B. Caminha, 2014–15)

Grants before 2013

- Research Grants by DFG (Deutsche Forschungsgemeinschaft) Cluster of Excellence Origin and Structure of the Universe (Munich) in 2008-2012 (total 20,000 Euros)
- Junior PI in the Excellence Cluster Universe - Area E (Munich University, 2008-2012)
- 12 ESO Director General Discretionary Fund grants (1999-2012)
- ASI/INAF grant 2005, Settore Astrofisica delle Alte Energie, *Clusters of Galaxies in X–rays*, PI at Trieste Observatory (27,000 Euros)
- PI of four NASA Grants associated with 990 ksec of Chandra GO time awarded in AO1,AO2 and AO4 (2000-2002) for follow-up studies of distant galaxy clusters
- NASA Grant associated with 22 orbits of Cycle 7 HST-WFPC2 awarded in Cycle 7 (1997) (Prop.#7374, $83,517); PI on: *"Probing low density cluster environments at moderate-to-high redshifts"*
- NASA Astrophysics Data Program grant (NAG 5-3537 $61,742), 1996; PI on: *"Probing the X-ray and Optical Evolution of Clusters of Galaxies"*
- Research Doctorate Fellowship (ranked 1st) – University of Rome, Italy, 1992–1994
- Research National Council (CNR) Fellowship (ranked 1st), Italy, 1992
- External Research Fellowship "Angelo della Riccia", Italy, 1991
  Host institute: Space Telescope Science Institute (Baltimore, MD, USA)
- External Research Fellowship "Angelo della Riccia", Italy, 1989
  Host institute: Jet Propulsion Laboratory (Pasadena, CA, USA)

Observing Programs

- PI of two ESO Large Programmes (since 2001)
- PI of > 20 observing programs with ground-based telescopes (at NOAO and ESO, since 1996)
- ESO Project Scientist of the Great Observatory Origin Deep Survey (2003-2009)
- Co-PI and co-founder of the Chandra Deep Field Survey (2000-2010)

INVITED TALKS and REVIEWS

1. *"Advances in mapping the inner mass distribution of galaxy clusters" Invited Talk* presented at *"Substructures in multiscale host haloes: from Galaxies to Clusters"*, IFPU, Trieste,", Feb 3-7, 2025
2. *"Zooming into primordial galaxies and star-forming complexes with JWST"*, *Invited Review* presented at *"Congresso Nazionale Societã Italiana di Fisica (SIF)"'*, Salerno (Italy), Sep 14, 2023
3. *"Advances in Cluster Strong Lensing"*, *Invited Review* presented at *"IAUS 381: Strong Gravitational Lensing in the era of big data"*, Otranto (Italy), Jun 19-23, 2023
4. *"ESO Surveys of distant galaxies in synergy with space observatories"'*
   Invited Talk presented at *"Celebrating Catherine Cesarsky 50 years of astronomy"*, on-line symposium, Jun 14-15, 2021
5. *"Cosmography and tests of the LCDM paradigm with high-precision strong lensing modelling of galaxy clusters"'*
   Invited Talk presented at *"The Fourth Zeldovich virtual meeting - An international conference in honor of Ya. B. Zeldovich"*, Sep 7-11, 2020
6. *"Zooming into early sites of star-forming (and AGN) activity with massive lensing clusters"*
   Invited Talk presented at *"The slippery slope of multimessanger cosmological black holes data"*, Sesto (BZ), 10-14 Feb, 2020
7. *"(Inner) Mass Reconstruction of Galaxy Clusters: recent observational progress and tests of ΛCDM paradigm"*
   Invited Talk presented at *"Matera Oscura'*, Matera, Italy, Sep 2-6, 2019
8. *"From distant galaxy clusters to the Chandra Deep Field South, from JHU to ESO"*
   Invited Talk presented at *Memorial Symposium to honour Riccardo Giacconi* Washington, DC, May 29-30, 2019
9. *"High-precision mass distribution of galaxy clusters from lensing and dynamics"*
   Colloquium presented at the Kapteyn Institute, Groningen (NL), Jan 10, 2019
10. *"Towards high-precision cluster lensing models: illuminating dark matter and dark ages"*
    Invited Talk presented at *"Shedding Light on the Dark Universe with Extremely Large Telescopes'*, ICTP, Trieste (Italy), Jul 2-6, 2018
11. *"Exploring dark matter and primordial star formation with massive galaxy clusters"*
    Stephen Murray Lecture at the Harvard-Smithsonian Astrophysical Observatory, Cambridge, MASS (USA), Sep 13, 2017
12. *"Towards high-precision strong-lensing modelling"*
    Lunch talk at Harvard Institute of Theory and Computation, Cambridge, MASS (USA), Sep 14, 2017
13. *"Deep spectroscopy of cluster cores: exploring high-precision lens models to study primordial star formation"*
    Invited Talk presented at *"Strong gravitational lensing by galaxies and clusters"*, Cogne, Aosta (Italy), Jun 26-30, 2017
14. *"Exploring dark matter and primordial star formation with massive galaxy clusters"*
    Padova Astronomical Observatory Seminar presented in Padova (Italy), Mar 11, 2017
15. *"Illuminating dark matter and dark ages with massive lensing clusters"*
    Invited Talk presented at *"Bright&Dark Universe"*, Naples (Italy), 29 Jan-2 Feb, 2017
16. *"Illuminating dark matter and dark ages with massive lensing clusters"*
    Special Seminar presented at the Kapteyn Institute, Groningen (NL), Oct 20, 2016
17. *"Illuminating dark matter and dark ages with massive clusters"*
    ETH Seminar presented at the Institute for Astronomy, ETH Zurich (CH) Oct 11, 2016
18. *"Probing dark and luminous matter distribution in clusters with high-precision lensing and kinematics data"*
    Invited Talk presented at *"SISGRAV 2016"*, Cefalù (Italy), Sep 12-18, 2016

19. *"Mass distribution of CLASH-VLT clusters with high-quality lensing and kinematic data"*
Contributed Talk presented at *"Celebrating a Century of Gravitational Lensing"*, Leiden (NL), July 11-15, 2016
20. *"CLASH-VLT: Illuminating Dark Matter and Dark Ages with Massive Lensing Clusters"*
Invited Talk presented at *"ESO Rainbows in the Southen Sky"*, Garching b. München (Germany), Oct 5-8, 2015
21. *"Using massive clusters to probe the cosmological paradigm, structure formation and primordial galaxies"*
• *Arcetri Seminar* presented in Arcetri /CNR (Italy), Jun 19, 2014
• *IASF Seminar* presented in Bologna/CNR (Italy), Mar 12, 2014
• *Milano Astron. Observatory Seminar* presented in Milano (Italy), Apr 12, 2014
• *Trieste Astron. Observatory Seminar* presented in Trieste (Italy), Feb 12, 2014
• *OABo/Phys.Astr.Dept. Seminar* presented in Bologna (Italy), Nov 14, 2013
22. *"Using massive clusters to probe structure formation and primordial galaxies"*
Vienna Observatory Seminar presented in Vienna (Austria), Jun 4, 2013
23. *"Using massive clusters to probe structure formation and primordial galaxies: the CLASH project"*
USM Colloquium presented Munich Sternwart (Germany), Jun 26, 2013
24. *"Using massive clusters to probe structure formation and primordial galaxies: the CLASH project"*
ESO-MP Joint Colloquium presented at ESO, Garching (Germany), Jan 7, 2013
25. *"First Results from CLASH - Cluster Lensing And Supernova survey with Hubble"*
Invited Talk presented at *"Galaxy Cluster Cosmology"*, Ringberg (Germany), Nov 19-23, 2012
26. *"Present and Future Surveys of Galaxy Clusters"*
Invited Review presented at *"X-ray Astronomy: Towards the Next 50 years"*, Milano (Italy), Oct 1-6, 2012
27. *"Probing Structure Formation and Cosmology with Galaxy Clusters"*
Invited Talk presented at *"Annual Danish Astrophysics Meeting 2012"*, Island of Hven, May 30-31, 2012
28. *"Testing the ΛCDM scenario with galaxy clusters across cosmic time"*
JHU Colloquium presented at Johns Hopkins University, Baltimore (MD), May 10, 2012
29. *"Testing the ΛCDM Scenario and the Nature of the Dark Matter with the Mass Distribution of Massive X-ray Clusters"*
Invited Talk presented at "Second Ferrara Workshop on X-ray Astrophysics up to 511 keV", Ferrara, (Italy), Sept 14-16, 2011
30. *"Cluster Surveys and Evolution"*
Invited Review presented at "Very Wide Field Surveys in the Light of Astro2010", STScI, Baltimore, June 13-16, 2011
31. *"Gravitational Lensing as a Tool to Probe the First Generation of Stars"*
Invited Talk presented at "Galaxies, Near and Far: conference in honour of Bob Fosbury", Villa Aureli, PG (Italy), May 23-25, 2011
32. *"Testing the ΛCDM Paradigm with the Mass Distribution and Abundance of Massive Clusters out to $z = 1.4$"*
Heidelberg Colloquium presented at University of Heidelberg, Apr 26, 2011
33. *"Testing the ΛCDM Paradigm with the Mass Distribution of Massive Clusters out to $z = 1.4$"*
Invited Talk presented at "Astrophysics and Cosmology with Galaxy Clusters", KITP, Santa Barbara, Mar 14-18, 2011
34. *"The Baryonic and Dark Matter Content of the Most Distant Galaxy Clusters"*, Jul 2010,
Invited talk presented at the "Galaxy clusters: observations, physics and cosmology", Garching bei München
35. *"Structure Formation IXO synergies with the E-ELT and Euclid"*, May 2010,
Invited talk presented at the "IXO Science Meeting", Paris
36. *"The Baryonic and Dark Matter content of Galaxy Clusters Across Cosmic Time"*, May 2010,
Invited talk presented at the "Società Astronomica Italiana" meeting, Naples

37. *"Resolving the Cosmic X-ray Background and Understanding Structure Formation and Evolution with a new era of X-ray Surveys"*, Jul 2009,
Plenary talk presented at the "12^{th} Marcel Grossmann Meeting", Paris
38. *"The most distant clusters: baryons and dark matter"*, May 2009,
Invited talk presented at the "CosmoCluster" Workshop, Marseille, France
39. *"Formation of early-type galaxies across time and environment"*, Apr 2009,
Invited talk presented at "Galaxy properties across cosmic times", Roma, Accademia dei Lincei
40. *"Formation Histories of Galaxies in the Most Distant Clusters and Field"*, Jan 2008
Invited talk presented at "Science with the new Hubble Space Telescope, after Servicing Mission 4", Bologna, Italy
41. *"Structure Formation and Cosmology with X-ray Clusters"*, Feb 2007,
Colloquium presented at IPP, Garching bei München
42. *"Structure Formation and Cosmology with the Most Distant Clusters"*, Feb 2007,
Grand Seminar presented at Saclay, Paris
43. *"Clusters and σ_8"*, Jun 2006,
Invited Talk presented at WMAP3 Workshop, MPA Garching
44. *"The Most Distant Galaxy Clusters"*, Jan 2006,
Invited Seminar presented at ETH, Zurich
45. *"Galaxy Populations in the Most Distant Galaxy Clusters"*, Oct 2005,
presented at Ringberg workshop on "Distant clusters of galaxies", Ringberg Castle (Germany)
46. *"Formation and Evolution of Galaxy Clusters"*, Nov 2004,
Invited Review presented at KITP, Santa Barbara
47. *"Hot and Cold Baryons in Distant Clusters"*, Oct 2004,
Invited Review presented at "Baryons in Dark Matter Halos", Novigrad, Croatia
48. *"X-ray Clusters at high z"*, Jan 2003,
Invited Review presented at "Carnegie Observatories Centennial Symposium III - Clusters of Galaxies: Probes of cosmological structure and galaxy evolution", Pasadena, USA
49. *"Chandra and XMM Observations of the Most Distant Clusters"*, May 2002,
Invited Review presented at the Workshop on "Cluster Evolution", Copenhagen, Denmark
50. *"Cluster Cosmology"*, Sept 2001,
Invited Review presented at "A New Era in Cosmology", Durham, UK
51. *"Determining Ω_M with Distant Cluster Surveys"*, April 2001,
Invited Review presented at "The Dark Universe: Matter, Energy and Gravity", STScI Symposium, Baltimore, MD
52. *"Early-type Galaxy Populations in $z > 1$ Clusters"*, Oct 2000,
Invited talk presented at "Deep Fields", ESO Symposium (Garching, Germany)
53. *"The Most Distant X-ray Clusters"*, Aug 2000,
Invited Review presented at "X-ray Astronomy 2000", Mondello (Italy)
54. *"High Redshift X-ray Clusters"*, Sept 1999,
Invited Review presented at "Large Scale Structure in the X-ray Universe", (Santorini, Greece)
55. *'Deep surveys with AXAF and the VLT'*, Feb 1999,
Invited Review presented at "X-ray surveys and the history of accretion in the Universe", (Rome)
56. *'X-ray Surveys of Distant Galaxy Clusters'*, May 1998,
Invited Review presented at the 14th IAP Conference: *"Wide Field Surveys in Cosmology"*, (Paris)
57. "*On the Evolution of Galaxy Clusters*", May 1997,
Colloquium presented at "Scuola Normale di Pisa" (Pisa, Italy)
58. "*Evolution of the Cluster Abundance out to $z \sim 1$*", Dec 1997,
Invited Review presented at "Evolution of Galaxy Clusters" (Viña del Mar, Chile)
59. "*Cosmological implications of the RDCS*", Oct 1997,
presented at "Clusters as Cosmological Probes", Ringberg Castle (Germany)

60. "*Distant X-ray Selected Galaxy Clusters*", Oct 1997,
Invited talk presented at the Workshop in honour of the 65^{th} *birthday of Riccardo Giacconi*
(Rome, Vatican Observatory)
61. *'The Abundance of X-ray Clusters out to* $z \simeq 0.8$*'*, Sept. 1997,
presented at the "Large Scale Structure: Tracks and Traces", (Potsdam, Germany)

Invited Lectures

Apr 2020 Lectures at Scuola Normale Superiore (Pisa) PhD program, "Cosmological surveys with gravitational lensing", Pisa, Apr 20-21, 2020

Jun 2018 Lecture at Summer School at University of Milano, "Hands-on multi-probe mass measurements in galaxy clusters", Ferrara, Jun 18-21, 2018

Sep 2016 Lecture at PhD School in Astrophysics at University of Ferrara, "Astrophysical probes of Dark Matter", Ferrara, Sep 5-9, 2017

Sep 2015 Lecture at PhD School in Astrophysics at University of Ferrara, "Astrophysical investigations of Dark Matter", Ferrara, Sep 7-11, 2015

May 2015 Lecture at the Niccolò Cabeo PhD School, "Illuminating Dark Matter and Dark Ages with Massive Lensing Clusters", IUSS (Istituto Universitario di Studi Superiori), Ferrara, May 27, 2015

Dec 2014 International School of Astrophysics "Francesco Lucchin" (co-Chair) "Using galaxy clusters to probe dark matter and primordial galaxies", Teramo, Italy (Dec 9–13, 2014)

Sep 2014 Lectures at University of Nice for the International Relativistic Astrophysics Ph. D. (IRAP) "Illuminating dark matter and the dark ages with massive galaxy clusters", Nice, France (Sep 17, 2014)

May 2014 Lecture at the Niccolò Cabeo PhD School, "Using massive clusters to test the cosmological paradidm and unveil the first light in the Universe", IUSS (Istituto Universitario di Studi Superiori), Ferrara, May 23, 2014

Feb 2014 Lectures at University of Nice for the International Relativistic Astrophysics Ph. D. (IRAP) "Probing the nature of dark matter with galaxy clusters", Nice, France (Feb 25, 2014)

Nov 2012 Series of Lectures at XVI IAG/USP Advanced School on *Astrophysics Radio-astronomy, Galaxies and Clusters at high-z*: "Structure Formation and Cosmology with High-z Clusters", Itatiba/SP, Brazil (Nov 4-9, 2012)

Sep 2010 Series of Lectures at University of Nice for the International Relativistic Astrophysics Ph. D. (IRAP) "Structure Formation and Cosmology with Galaxy Clusters", Nice, France (Sep 28-30, 2010)

Feb 2010 Series of Lectures at University of Nice for the International Relativistic Astrophysics Ph. D. (IRAP) "Baryons and Dark Matter in Galaxy Clusters", Nice, France (Feb 15-17, 2010)

Jul 2008 Series of Lectures at the E.Fermi School "Astrophysics of Galaxy Clusters", Varenna, Italy (July 15-25, 2008)

Oct 2006 Series of Lectures at "International School Baryons and Dark Matter" on "Observational Properties of Galaxy Clusters" (SISSA, Trieste, Italy)

Sep 2005 Series of Lectures at the "Novi-cosmo Summer School" on "Formation and Evolution of Galaxy Clusters", Novigrad, Croatia (Sep 5-17, 2005)

May 2005 Series of Lectures at "Chinese Summer School Series in Extragalactic Astronomy" Second School—Galaxy Clusters, Tianjin, China (May 15-24, 2005)

May 2004 Series of Lectures at "Scuola Nazionale di Astrofisica" on "Observational Aspects of Gravitational Lensing" (Bertinoro, Italy)

Dec 2003 Series of Lectures on "Clusters and Cosmology" at Scuola Normale (Pisa)

Mar 2000 Series of Lectures at the International Como School on "Relativistic Cosmology: Theory and Observations" on "Observational Cosmology"(Como, Italy).

Sep 1999 Series of Lectures at the school "Nordic-Baltic Research Course in Applied Astrophysical Photometry"'(Moletai Observatory, Lithuania) on "Observational cosmology projects with the VLT"

1995-1997 Taught occasional graduate-level lectures at Johns Hopkins University (topics: Clusters in X-ray, Gravitational Lensing)

PUBLICATIONS

Refereed

419. P. Bergamini et al. (Euclid collaboration, including **P.Rosati** in the main team) 2025
Euclid Quick Data Release (Q1). The first catalogue of strong-lensing galaxy clusters, arXiv:2503.15330, A&A special issue, submitted
418. S. Bhargava et al. (Euclid collaboration, including **P.Rosati**) 2025
Euclid Quick Data Release (Q1). First detections from the galaxy cluster workflow, arXiv:2503.19196, A&A special issue, submitted
417. Bergamini, P., Meneghetti, M., Angora, G., Bazzanini, L., **Rosati, P.** et al. 2025
Euclid preparation. Euclidised observations of Hubble Frontier Fields and CLASH galaxy clusters, A&A, submitted
416. J.A. Zavala et al. (40 coauthors including **P. Rosati**) 2025
A luminous and young galaxy at $z = 12.33$ revealed by a JWST/MIRI detection of H and [O III], Nat.Astro, 9, 155
415. M. Messa et al. (34 coauthors including **P. Rosati**) 2025
Cooling rate and turbulence in the intracluster medium of the cool-core cluster Abell 2667, A&A, 694, A115
414. M. Lepore et al. (11 coauthors including **P. Rosati**) 2025
Cooling rate and turbulence in the intracluster medium of the cool-core cluster Abell 2667, A&A, 694, A115
413. L. Napolitano et al. (27 coauthors including **P. Rosati**) 2025
Seven wonders of Cosmic Dawn: JWST confirms a high abundance of galaxies and AGNs at $z \simeq 9-11$ in the GLASS field, A&A, 693, A50
412. E. Vanzella et al. (41 coauthors including **P. Rosati**) 2024
Extreme ionizing properties of a metal-poor, $M_{UV}12$ star complex in the first gigayear, A&A, 691, A251
411. M. Girardi et al. (11 coauthors including **P. Rosati**) 2024
CLASH-VLT: Galaxy cluster MACS J0329-0211 and its surroundings using galaxies as kinematic tracers, A&A, 692, A175
410. A. Acebron et al. (12 coauthors including **P. Rosati**) 2024
The next step in galaxy cluster strong lensing: modeling the surface brightness of multiply-imaged sources, A&A, 796, A110
409. L. Bazzanini et al. (12 coauthors including **P. Rosati**) 2024
Long gamma-ray burst light curves as the result of a common stochastic pulse-avalanche process, A&A, 689, A266
408. M. Castellano et al. (31 coauthors including **P. Rosati**) 2024
JWST NIRSpec Spectroscopy of the Remarkable Bright Galaxy GHZ2/GLASS-z12 at Redshift 12.34, ApJ, 972, 143
407. G. Roberts-Borsani et al. (9 coauthors including **P. Rosati**) 2024
Between the Extremes: A JWST Spectroscopic Benchmark for High Redshift Galaxies Using 500 Confirmed Sources at $z \geq 5$, ApJ, 976, 193
406. S.Schuldt, et al. (12 coauthors including **P. Rosati**) 2024
Improved model of the Supernova Refsdal cluster MACS J1149.5+2223 thanks to VLT/MUSE, A&A, 689, A42
405. V. Mainieri et al. (217 coauthors including **P. Rosati**) 2024
The Wide-field Spectroscopic Telescope (WST) Science White Paper, arXiv:2403.05398, Instrumentation and Methods for Astrophysics
404. T. Morishita et al. (13 coauthors including **P. Rosati**) 2024
Diverse Oxygen Abundance in Early Galaxies Unveiled by Auroral Line Analysis with JWST, ApJ, 971, 43
403. H. Atek et al. (200 coauthors including **P.Rosati**) 2024
Euclid: Early Release Observations – A preview of the Euclid era through a galaxy cluster magnifying lens, arXiv:240513504, A&A in press

402. Y. Mellier et al. (Euclid collaboration, 1137 coauthors including **P.Rosati**) 2024
Euclid. I. Overview of the Euclid mission, arXiv:240513491, A&A in press

401. D'Addona, M., Mercurio, A., **Rosati, P.** et al. 2024
The powerful lens galaxy cluster PLCK G287.0+32.9 ($\theta_E \sim 43$). Redshift catalog and new lens model using MUSE observations, A&A, 686, A4

400. M. Scalco et al. (11 coauthors including **P. Rosati**) 2024
The HST Large Programme on NGC 6752 – V. Differences in Luminosity and Mass Functions among Multiple Stellar Populations, arXiv:2403.03262, AN, in press

399. Grillo, C., Pagano, L., **Rosati, P.**, S.H Suyu et al. 2024
Cosmography with supernova Refsdal through time-delay cluster lensing: Independent measurements of the Hubble constant and geometry of the Universe, A&A, 684, L23

398. D. Abriola et al. (7 coauthors including **P. Rosati**) 2024
An improved Magellan weak lensing analysis of the galaxy cluster Abell 2744, A&A, 684, A193

397. P. Bergamini et al. (12 coauthors including **P. Rosati**) 2024
Augmenting the power of time-delay cosmography in lens galaxy clusters by probing their member galaxies II. Cosmic chronometers, A&A, 682, L2

396. M. Lepore et al. (18 coauthors including **P. Rosati**) 2024
Feeding and feedback processes in the Spiderweb proto-intracluster medium, A&A, 682, A186

395. L. Leuzzi et al. (218 coauthors including **P. Rosati**) 2024
Euclid preparation. XXXIII. Characterization of convolutional neural networks for the identification of galaxy-galaxy strong-lensing events, A&A, 681, A68

394. L. Ferro et al. (12 coauthors including **P. Rosati**) 2024
Recent developments in Laue lens manufacturing and their impact on imaging performance, JATIS, 10, 014002

393. A. Acebron et al. (12 coauthors including **P. Rosati**) 2023
Augmenting the power of time-delay cosmography in lens galaxy clusters by probing their member galaxies I. Type Ia supernovae, A&A, 680, L9

392. A. Bolamperti et al. (14 coauthors including **P. Rosati**) 2023
UV-continuum β slopes of individual $z = 2-6$ clumps and their evolution, MNRAS, 526, 5263

391. M. Stiavelli et al. (8 coauthors including **P. Rosati**) 2023
The puzzling properties of the MACS1149-JD1 galaxy at $z = 9.11$, ApL, 957, L18

390. E. Vanzella et al. (34 coauthors including **P. Rosati**) 2023
An extremely metal poor star complex in the reionization era: Approaching Population III stars with JWST, A&A, 678, A173

389. M. Meneghetti et al. (21 coauthors including **P. Rosati**) 2023
A persistent excess of galaxy-galaxy strong lensing observed in galaxy clusters, A&A, 678, L2

388. A. Biviano et al. (10 coauthors including **P. Rosati**) 2023
The puzzling properties of the MACS1149-JD1 galaxy at $z = 9.11$, ApJ, 958, 148

387. Caminha, G.B., Grillo, C., **Rosati, P.**, Liu, A. et al. 2023
A MUSE view of the massive merging galaxy cluster ACT-CL J0102-4915 (El Gordo) at $z = 0.87$: robust strong lensing model and data releases, A&A, 678, A3

386. R. Campana et al. (9 coauthors including **P. Rosati**) 2023
Measurement of the non-linearity in the -ray response of the GAGG:Ce inorganic scintillator, Nuclear Inst. and Methods in Physics Research, A, 1056, 168587

385. Ferrami, G. ; Bertin, G. ; Grillo, C. ; Mercurio, A. ; **Rosati, P.** 2023
Dynamics of the galactic component of Abell S1063 and MACS J1206.20847, A&A, 676, A66

384. Angora, G., **Rosati, P.**, Meneghetti, M., Brescia, M. et al. 2023
Searching for galaxy-scale strong-lenses in galaxy clusters with deep networks – I: methodology and network performance, A&A, 676, A40

383. U. Mestric et al. (18 coauthors including **P. Rosati**) 2023
Clues on the presence and segregation of very massive stars in the Sunburst Lyman-continuum cluster at $z = 2.37$, A&A, 673, A50

382. M. Castellano et al. (39 coauthors including **P. Rosati**) 2023
A High Density of Bright Galaxies at $z \approx 10$ in the A2744 region, ApJ, 948, L14

381. Bergamini, P., Acebron, A., Grillo, C., **Rosati, P.** et al. 2023
The GLASS-JWST Early Release Science Program. III. Strong lensing model of Abell 2744 and its infalling regions, ApJ, 952, 48

380. B. Vulcani et al. (39 coauthors including **P. Rosati**) 2023
Early results from GLASS-JWST. XX: Unveiling a population of "red-excess" galaxies in Abell2744 and in the coeval field, ApJ, 948, L15

379. G. Roberts-Borsani et al. (45 coauthors including **P. Rosati**) 2023
A shot in the Dark (Ages): a faint galaxy at z=9.76 confirmed with JWST, NatAstro, 618, 480

378. A. Ciurlo et al. (21 coauthors including **P. Rosati**) 2023
New multiple AGN systems with sub-arcsec separation: confirmation of candidates selected via the novel GMP method, A&A, 671, L4

377. Tortorelli, L., Mercurio, A., Granata, G.; **P. Rosati**, et al. 2023
The Kormendy relation of early-type galaxies as a function of wavelength in Abell S1063, MACS J0416.1-2403, and MACS J1149.5+2223, A&A, 671, L9

376. M. Girardi et al. (8 coauthors including **P. Rosati**) 2023
A newly identified galaxy group thanks to tidal streams of intragroup light, A&A, 671, A83

375. G. Prieto-Lyon et al. (23 coauthors including **P. Rosati**) 2023
The production of ionizing photons in UV-faint z 3-7 galaxies, A&A, 672, A186

374. S. Mascia et al. (32 coauthors including **P. Rosati**) 2023
Closing in on the sources of cosmic reionization: first results from the GLASS-JWST program, A&A, 672, A155

373. N. Estrada et al. (17 coauthors including **P. Rosati**) et al. 2023
VST-GAME: Galaxy Assembly as a function of Mass and Environment with VST. Photometric assessment and density field of MACSJ0416, A&A, 671, A186

372. M. Takahiro et al. (42 coauthors including **P. Rosati**) 2023
Early results from GLASS-JWST. XVIII: A spectroscopically confirmed protocluster 650 million years after the Big Bang, ApJL, 947, L24

371. Bergamini, P., Acebron, A., Grillo, C., **Rosati, P.**, Caminha, G. B. et al. 2023
New high-precision strong lensing modeling of Abell 2744. Preparing for JWST observations, A&A, 670, A60

370. M. Nonino et al. (21 coauthors including **P. Rosati**) 2023
Early results from GLASS-JWST. XIII. A faint, distant, and cold brown dwarf, ApJ, 942, L29

369. D. Marchesini et al. (23 coauthors including **P. Rosati**) 2023
Early results from GLASS-JWST. IX: First spectroscopic confirmation of low-mass quiescent galaxies at $z > 2$ with NIRISS, ApJ, 942, L25

368. P. Santini et al. (29 coauthors including **P. Rosati**) 2023
Early results from GLASS-JWST. XI: Stellar masses and mass-to-light ratio of $z > 7$ galaxies, ApJ, 942, L27

367. Bergamini, P., Grillo, C., **Rosati, P.**, Vanzella, E. et al. 2022
A state-of-the-art strong lensing model of MACS J0416.1−2403 with the largest sample of spectroscopic multiple images, A&A, 674, A79

366. M. Moresco et al. (25 coauthors including **P. Rosati**) 2022
Unveiling the Universe with Emerging Cosmological Probes, Living Reviews in Relativity (192 pages), 25, 1

365. R. Ikeda et al. (12 coauthors including **P. Rosati**) 2022
Near-infrared characterization of ultra-diffuse galaxies in Abell 2744 by JWST/NIRISS imaging, MNRAS, 523, 6310

364. A. Acebron et al. (11 coauthors including **P. Rosati**) 2022
New strong lensing modelling of SDSS J2222+2745 enhanced with VLT/MUSE spectroscopy, A&A, 668, A142

363. M. Castellano et al. (29 coauthors including **P. Rosati**) 2022
Early results from GLASS-JWST. III: Galaxy candidates at $z \sim 9-15$, ApJ, 938, L15

362. E. Vanzella et al. (32 coauthors including **P. Rosati**) 2022
Early results from GLASS-JWST. VII: evidence for lensed, gravitationally bound proto-globular clusters at z=4 in the Hubble Frontier Field A2744, ApJ, 940, L53

361. K. Boyett et al. (30 coauthors including **P. Rosati**) 2022
Early results from GLASS-JWST. VI: Extreme rest-optical equivalent widths detected in NIRISS Wide Field Slitless Spectroscopy, ApJ, 940, L52

360. G. Roberts-Borsani et al. (32 coauthors including **P. Rosati**) 2022
Early Results from GLASS-JWST. I: Confirmation of Lensed $z \geq 7$*: Lyman-Break Galaxies Behind the Abell 2744 Cluster With NIRISS*, ApJ, 938, L13

359. M. Meneghetti et al. (30 coauthors including **P. Rosati**) 2022
The probability of galaxy-galaxy strong lensing events in hydrodynamical simulations of galaxy clusters, A&A, 668, A188

358. T. Treu et al. (46 coauthors including **P. Rosati**) 2022
The GLASS-JWST Early Release Science Program. I. Survey Design and Release Plans, ApJ, 935, 110

357. F. Calura et al. (10 coauthors including **P. Rosati**) 2022
Sub-parsec resolution cosmological simulations of star-forming clumps at high redshift with feedback of individual stars, MNRAS, 516, 5914

356. U. Mestric et al. (15 coauthors including **P. Rosati**) 2022
Exploring the physical properties of lensed star-forming clumps at $2 \lesssim z \lesssim 6$, MNRAS, 516, 3532

355. M. Griggio et al. (18 coauthors including **P. Rosati**) 2022
Astro-photometric study of M37 with Gaia and wide-field ugi-imaging, MNRAS, 515, 1841

354. A. Ragagnin et al. (23 coauthors including **P. Rosati**) 2022
Galaxies in the central regions of simulated galaxy clusters, A&A, 665, A16

353. Acebron, A., Grillo, C., Bergamini, P., Mercurio, A., **Rosati, P.** et al. 2022
VLT/MUSE observations of SDSS J1029+2623: towards a high-precision strong lensing model, ApJ, 926, 86

352. P. Tozzi et al. (24 coauthors including **P. Rosati**) 2022
The 700 ks Chandra Spiderweb Field. I. Evidence for widespread nuclear activity in the protocluster, A&A, 662, A54

351. P. Tozzi et al. (24 coauthors including **P. Rosati**) 2022
The 700 ks Chandra Spiderweb Field. II. Evidence for inverse-Compton and thermal diffuse emission in the Spiderweb galaxy, A&A, 667, A134

350. G. Granata et al. (9 coauthors including **P. Rosati**) 2022
Improved strong lensing modelling of galaxy clusters using the Fundamental Plane: the case of Abell S1063, A&A, 659, A24

349. E. Vanzella et al. (19 coauthors including **P. Rosati**) 2022
High star cluster formation efficiency in the strongly lensed Sunburst Lyman-continuum galaxy at $z = 2.37$, A&A, 659, A2

348. Caminha, G.B.; Suyu, S.H.; Grillo, C.; **Rosati, P.**; et al. 2022
Galaxy cluster strong lensing cosmography: cosmological constraints from a sample of regular galaxy clusters, A&A, 657, A83

347. Mercurio, A..; **Rosati, P.**, Biviano, A. et al. 2021
CLASH-VLT: Abell S1063 – Cluster assembly history and spectroscopic catalogue, A&A, 656, A147

346. M.G. Paillalef et al. (9 coauthors including **P. Rosati**) 2021
Ionized gas kinematics of cluster AGN at $z \sim 0.8$ *with KMOS*, MNRAS, 506, 385

345. M. Scalco et al. (12 coauthors including **P. Rosati**) 2021
The HST large programme on Centauri - IV. Catalogue of two external fields, MNRAS, 505, 3549

344. **P. Rosati** et al. 2021
Synergies of THESEUS with the large facilities of the 2030s and guest observer opportunities, Experimental Astronomy, 52, 407

343. N.R. Tanvir et al. (33 coauthors including **P. Rosati**) 2021
Exploration of the high-redshift universe enabled by THESEUS, Experimental Astronomy, 52, 219

342. G. Ghirlanda et al. (33 coauthors including **P. Rosati**) 2021
Gamma Ray Burst studies with THESEUS, Experimental Astronomy, 52, 277

341. L. Amati et al. (34 coauthors including **P. Rosati**) 2021
Gamma Ray Burst studies with THESEUS, Experimental Astronomy, 52, 183

340. R. Ciolfi et al. (66 coauthors including **P. Rosati**) 2021
Multi-Messenger Astrophysics with THESEUS in the 2030s, Experimental Astronomy, 52, 245

339. F. Frontera et al. (30 coauthors including **P. Rosati**) 2021
Understanding the origin of the positron annihilation line and the physics of supernova explosions, Experimental Astronomy, 51, 1175

338. C. Guidorzi et al. (30 coauthors including **P. Rosati**) 2021
A deep study of the high-energy transient sky, Experimental Astronomy, 51, 1203 (arXiv:2104.09535)

337. B. Hayden et al. (56 coauthors including **P. Rosati**) 2021
The HST See Change Program. I. Survey Design, Pipeline, and Supernova Discoveries, ApJ, 912, 87

336. Liu, A.; Tozzi, P.; **Rosati, P.** et al. 2021
Systematic search for lensed X-ray sources in the CLASH fields, A&A, 648, A47

335. Vanzella, E..; Caminha, G. B.; **Rosati, P.**; Mercurio, A.; Castellano, M. et al. 2021
The MUSE Deep Lensed Field on the Hubble Frontier Field MACS J0416, A&A, 646, A57

334. Bergamini, P.; **Rosati, P.**; Vanzella, E.; Caminha, G. B.; Grillo, C. et al. 2021
A new high-precision strong lensing model of the galaxy cluster MACS J0416.1-2403, A&A, 645, A140

333. K.I. Caputi et al. (28 coauthors including **P. Rosati**) 2021
ALMA Lensing Cluster Survey: an ALMA galaxy signposting a MUSE galaxy group at $z = 4.3$ behind 'El Gordo', ApJ, 908, 146

332. F. Calura et al. (13 coauthors including **P. Rosati**) 2021
Constraints on the [C II] luminosity of a proto-globular cluster at z 6 obtained with ALMA, MNRAS, 500, 3083

331. Angora, G.; **Rosati, P.**; Brescia, M.; Mercurio, A.; Grillo, C. et al. 2020
The search for galaxy cluster members with deep learning of panchromatic HST imaging and extensive spectroscopy, A&A, 643, A177

330. Meneghetti, M.; Davoli, G.; Bergamini, P.; **Rosati, P.**; Natarajan, P. et al. 2020
An excess of small-scale gravitational lenses observed in galaxy clusters, Science, 369, 1347

329. E. Vanzella et al. (16 coauthors including **P. Rosati**) 2020
Probing the circumstellar medium 2.8 Gyr after the big bang: detection of Bowen fluorescence in the Sunburst arc, MNRAS, 499, L67

328. Grillo, C.; **Rosati, P.**; Suyu, S. H. et al. 2020
On the Accuracy of Time-delay Cosmography in the Frontier Fields Cluster MACS J1149.5+2223 with Supernova Refsdal, ApJ, 898, 87

327. C. Guidorzi et al. (124 coauthors including **P. Rosati**) 2020
A search for prompt γ-ray counterparts to fast radio bursts in the Insight-HXMT data, A&A, 637, A69

326. A. Liu et al. (7 coauthors including **P. Rosati**) 2020
The chemical evolution of galaxy clusters: Dissecting the iron mass budget of the intracluster medium, A&A, 637, A58

325. Sartoris, B.; Biviano, A.; **Rosati, P.** et al. 2020
CLASH-VLT: a full dynamical reconstruction of the mass profile of Abell S1063 from 1 kpc out to the virial radius, A&A, 637, A34

324. E. Vanzella, . et al. (23 coauthors including **P. Rosati**) 2020
Candidate Population III stellar complex at z = 6.629 in the MUSE Deep Lensed Field, MNRAS, 494, L81

323. Rescigno, U.; Grillo, C.; Lombardi, M.; **Rosati, P.** et al. 2020
An accurate strong lensing model of the Abell 2163 core, A&A, 635, A98

322. Vanzella et al. (17 coauthors including **P. Rosati**) 2020
Ionizing the intergalactic medium by star clusters: the first empirical evidence, MNRAS, 491, 1093

321. Caminha, G. B.; **Rosati, P.**; Grillo, C. et al. 2019
Strong lensing models of eight CLASH clusters from extensive spectroscopy: Accurate total mass reconstructions in the cores, A&A, 632, A36

320. Bergamini, P.; **Rosati, P.**; Mercurio, A. et al. 2019
Enhanced cluster lensing models with measured galaxy kinematics, A&A, 631, A130

319. E. Iani et al. (24 coauthors including **P. Rosati**) 2019
Inquiring into the nature of the Abell 2667 brightest cluster galaxy: physical properties from MUSE, MNRAS, 487, 5593

318. Rodríguez-Muñoz et al. (24 coauthors including **P. Rosati**) 2019
Quantifying the suppression of the (un)-obscured star formation in galaxy cluster cores at $0.2 \lesssim z \lesssim 0.9$, MNRAS, 485, 585

317. Vanzella et al. (15 coauthors including **P. Rosati**) 2019
Massive star cluster formation under the microscope at $z = 6$, MNRAS, 483, 4618

316. **P. Rosati** 2019
Riccardo Giacconi (1931–2018), Science, 363, 349

315. E. Vanzella et al. (15 coauthors including **P. Rosati**) 2018
Massive Star cluster formation under the microscope at $z = 6$, MNRAS, 483, 3618

314. **P. Rosati** 2018
The ancestors of most massive galaxy clusters, Nature Astronomy, 2, 944

313. D. Olave-Rojas et al. (8 coauthors including **P. Rosati**) 2018
Galaxy pre-processing in substructures around $z \sim 0.4$ *galaxy clusters*, MNRAS, 479, 2328

312. Bonamigo, M.; Grillo, C.; Ettori, S.; Caminha, G. B.; **Rosati, P.** et al. 2018
Dissection of the Collisional and Collisionless Mass Components in a Mini Sample of CLASH and HFF Massive Galaxy Clusters at $z \approx 0.4$, ApJ, 864, 98

311. L. Amati et al. (211 coauthors including **P. Rosati**) 2018
The Transient High Energy Sky and Early Universe Surveyor (THESEUS), Advances in Space Research, 62, 191-244

310. G. Stratta et al. (58 coauthors including **P. Rosati**) 2018
THESEUS: a key space mission for Multi-Messenger Astrophysics, Advances in Space Research, 62, 662-682

309. R. Nanni et al. (26 coauthors including **P. Rosati**) 2018
The 500 ks Chandra observation of the $z = 6.31$ *QSO SDSS J1030+0524*, A&A, 614, A121

308. Tortorelli, L.; Mercurio, A.; Paolillo, M.; **Rosati, Piero**; Gargiulo, A.; Gobat, R. et al. 2018
The Kormendy relation of galaxies in the Frontier Fields clusters: Abell S1063 and MACS J1149.5+2223, MNRAS, 477, 648

307. K. Umetsu et al. (37 coauthors including **P. Rosati**) 2018
The Projected Dark and Baryonic Ellipsoidal Structure of 20 CLASH Galaxy Clusters, ApJ, 860. 104

306. Grillo, C.; **Rosati, P.**; Suyu, S. H.; Balestra, I.; Caminha, G. B. et al. 2018
Measuring the Value of the Hubble Constant "'a la Refsdal", ApJ, 860, 44

305. E. Vanzella et al. (19 coauthors including **P. Rosati**) 2018
Direct Lyman continuum and Ly escape observed at redshift 4, MNRAS, 476, L15

304. Y. Jimenez-Teja et al. (37 coauthors including **P. Rosati**) 2018
Unveiling the Dynamical State of Massive Clusters through the ICL Fraction, ApJ, 857, 79

303. Di Teodoro, E. M.; Grillo, C.; Fraternali, F.; Gobat, R.; Karman, W.; Mercurio, A.; **Rosati, P.** et al. (7 other coauthors) 2018
Kinematics of the SN Refsdal host revealed by MUSE: a regularly rotating spiral galaxy at $z \sim 1.5$, MNRAS, 476, 804

302. S.A. Rodney et al. (35 coauthors including **P. Rosati**) 2018
Two Peculiar Fast Transients in a Strongly Lensed Host Galaxy, Nature Astronomy, 2, 324-333

301. P.L. Kelly et al. (45 coauthors including **P. Rosati**) 2017
An individual star at redshift 1.5 extremely magnified by a galaxy-cluster lens, Nat, 2, 334-342

300. H. Yu et al. (10 coauthors including **P. Rosati**) 2018
JVLA 1.5GHz continuum observation of CLASH clusters I: radio properties of the BCGs, ApJ, 853, 100

299. Chirivì, G.; Suyu, S. H.; Grillo, C.; Halkola, A.; Balestra, I.; Caminha, G.B.; Mercurio, A.; **Rosati, P.** 2017
MACS J0416.1-2403: Impact of line-of-sight structures on strong gravitational lensing modelling of galaxy clusters, A&A, 614, A8

298. Annunziatella, M.; Bonamigo, M.; Grillo, C.; Mercurio, A.; **Rosati, P.** et al. (6 other coauthors) 2017
Mass Profile Decomposition of the Frontier Fields Cluster MACS J0416-2403: Insights on the Dark-matter Inner Profile, ApJ, 851, 81

297. Caminha, G. B.; Grillo, C.; **Rosati, P.**; Meneghetti, M.; Mercurio, A. et al. (22 other coauthors) 2017
Mass distribution in the core of MACS J1206. Robust modeling from an exceptionally large sample of central multiple images, A&A, 607, A93

296. A. Molino et al. (44 coauthors including **P. Rosati**) 2017
CLASH: accurate photometric redshifts with 14 HST bands in massive galaxy cluster cores, MNRAS, 470, 95

295. Pizzuti, L.; Sartoris, B.; Amendola, L.; Borgani, S.; Biviano, A.; Umetsu, K.; Mercurio, A.; **Rosati, P.**; el al. (5 other coauthors) 2017
CLASH-VLT: constraints on f(R) gravity models with galaxy clusters using lensing and kinematic analyses, JCAP, 07, 023

294. Japelj, J.; Vanzella, E.; Fontanot, F.; Cristiani, S.; Caminha, G.B.; Tozzi, P.; Balestra, I.; **Rosati, P.**; Meneghetti, M. 2017
Constraints on the Lyman continuum escape fraction for faint star-forming galaxies, MNRAS, 468, 389

293. Vanzella, E.; Calura, F.; Meneghetti, M.; Mercurio, A.; Castellano, M.; Caminha, G.B.; Balestra, I.; **Rosati, P.**; Tozzi, P.; De Barros, S. et al. (10 other coauthors) 2017
Paving the way for the JWST: witnessing globular cluster formation at $z > 3$, MNRAS, 467, 4304

292. Bonamigo, M.; Grillo, C.; Ettori, S.; Caminha, G.B.; **Rosati, P.** et al. (5 other coauthors) 2017
Joining X-Ray to Lensing: An Accurate Combined Analysis of MACS J0416.12403, ApJ, 842, 132

291. E. Vanzella et al. (30 coauthors including **P. Rosati**) 2017
Magnifying the Early Episodes of Star Formation: Super Star Clusters at Cosmological Distances, ApJ, 842, 47

290. Monna, A.; Seitz, S.; Balestra, I.; **Rosati, P.**; Grillo, C. et al. (10 other coauthors) 2017
Precise strong lensing mass profile of the CLASH galaxy cluster MACS 2129, MNRAS, 466, 4094

289. Vanzella, E.; Balestra, I.; Gronke, M.; Karman, W.; Caminha, G. B.; Dijkstra, M.; **Rosati, P.** et al. (7 other coauthors) 2017
*Illuminating gas inflows/outflows in the MUSE deepest fields: Ly nebulae around forming galaxies at zsimeq*3.3, MNRAS, 465, 3803

288. Caminha, G.B.; Grillo, C.; **Rosati, P.**; Balestra, I.; Mercurio, A. et al. (9 other coauthors) 2017
A refined mass distribution of the cluster MACS J0416.1−2403 from a new large set of spectroscopic multiply lensed sources, A&A, 600, A90

287. X. Wan et al. (27 coauthors including **P. Rosati**) 2017
The Grism Lens-amplified Survey from Space (GLASS). X. Sub-kiloparsec Resolution Gas-phase Metallicity Maps at Cosmic Noon behind the Hubble Frontier Fields Cluster MACS1149.6+2223, ApJ, 837, 89

286. Karman, W.; Caputi, K.I.; Caminha, G.B.; Gronke, M.; Grillo, C.; Balestra, I.; **Rosati, P.** et al. (7 other coauthors) 2017
MUSE integral-field spectroscopy towards the Frontier Fields cluster Abell S1063. II. Properties of low luminosity Lyman emitters at $z > 3$, A&A, 599, A28

285. R.J. van Weeren et al. (27 coauthors including **P. Rosati**) 2017
Chandra and JVLA Observations of HST Frontier Fields Cluster MACS J0717.5+3745, ApJ, 835, 197

284. B. Luo et al. (26 coauthors including **P. Rosati**) 2017
The Chandra Deep Field-South Survey: 7 Ms Source Catalogs, ApJS, 228, 2

283. Caminha, G. B.; Karman, W.; **Rosati, P.**; Caputi, K. I.; Arrigoni Battaia, F. et al. (5 other coauthors) 2016
Discovery of a faint, star-forming, multiply lensed, Lyman- blob, A&A, 595, A100

282. Munari, E.; Grillo, C.; De Lucia, G.; Biviano, A.; Annunziatella, M.; Borgani, S.; Lombardi, M.; Mercurio, A.; **Rosati, P**. 2016
Numerical Simulations Challenged on the Prediction of Massive Subhalo Abundance in Galaxy Clusters: The Case of Abell 2142, ApJ, 827, L5

281. E.S. Battistelli et al. (10 coauthors including **P. Rosati**) 2016
Galaxy clusters as probes for cosmology and dark matter, IJMPD, 25, id.1630023

280. Balestra, I.; Mercurio, A.; Sartoris, B.; Girardi, M.; Grillo, C.; Nonino, M.; **Rosati, P.**; Biviano, A.; Ettori, S.; Forman, W.; and 26 coauthors 2016
CLASH-VLT: Dissecting the Frontier Fields Galaxy Cluster MACS J0416.1−2403 with 800 Spectra of Member Galaxies, ApJS, 224, 33

279. Parry, W. G.; Grillo, C.; Mercurio, A.; Balestra, I.; **Rosati, P.** et al. (5 other coauthors) 2016
Dark matter fraction of low-mass cluster members probed by galaxy-scale strong lensing, MNRAS, 458, 1493

278. Grillo, C.; Karman, W.; Suyu, S. H.; **Rosati, P.**; Balestra, I. et al. (8 other co-auhors) 2016
The story of supernova 'Refsdal' told by MUSE, ApJ, 822, 78

277. Maier, C.; Kuchner, U.; Ziegler, B. L.; Verdugo, M.; Balestra, I.; Girardi, M.; Mercurio, A.; **Rosati, P.** et al. (4 other coauthors) 2016
CLASH-VLT: Strangulation of cluster galaxies in MACS J0416.1-2403 as seen from their chemical enrichment, A&A, 590, A108

276. M. Castellano et al. (38 coauthors including **P. Rosati**) 2016
The ASTRODEEP Frontier Fields catalogues. II. Photometric redshifts and rest frame properties in Abell-2744 and MACS-J0416, A&A, 590, A31

275. Pizzuti, L.; Sartoris, B.; Borgani, S.; Amendola, L.; Umetsu, K.; Biviano, A.; Girardi, M.; **Rosati, P.**; Balestra, I.; Caminha, G.B. el al. (6 other coauthors) 2016
CLASH-VLT: testing the nature of gravity with galaxy cluster mass profiles, JCAP, 04, 023

274. C. Burigana et al. (17 coauthors including **P. Rosati**) 2016
Recent results and perspectives on cosmology and fundamental physics from microwave surveys, IJMPD, 25, id.1630016

273. E. Vanzella et al. (32 coauthors including **P. Rosati**) 2016
High-resolution Spectroscopy of a Young, Low-metallicity Optically Thin $L = 0.02L*$ Star-forming Galaxy at $z = 3.12$, ApJ, 821, L27

272. G.A. Ogrean et al. (27 coauthors including **P. Rosati**) 2016
Frontier Fields Clusters: Deep Chandra Observations of the Complex Merger MACS J1149.6+2223, ApJ, 819, 113

271. Caminha, G. B.; Grillo, C.; **Rosati, P.**; Balestra, I.; Karman, W. et al. (30 other coauthors) 2016
CLASH-VLT: A highly precise strong lensing model of the galaxy cluster RXC J2248.7-4431 (Abell S1063) and prospects for cosmography, A&A, 587, A80

270. Virgilli, E.; Frontera, F.; **Rosati, P.**; Bonnini, E.; Buffagni, E.; Ferrari, C.; Stephen, J. B.; Caroli, E.; Auricchio, N.; Basili, A.; Silvestri, S. 2016, ExA, 41,307 *Focusing effect of bent GaAs crystals for γ-ray Laue lenses: Monte Carlo and experimental results*

269. R.J. van Weeren et al. (27 coauthors including **P. Rosati**) 2016
The Discovery of Lensed Radio and X-Ray Sources behind the Frontier Fields Cluster MACS J0717.5+3745 with the JVLA and Chandra, ApJ, 817, 98

268. J. Santos et al. (12 coauthors including **P. Rosati**) 2016
Starbursting Brightest Cluster Galaxy: a Herschel view of the massive cluster MACS J1931.8−2634, MNRAS, 456, L99

267. T. Treu et al. (24 coauthors including **P. Rosati**) 2016
'Refsdal' meets Popper: comparing predictions of the re-appearance of the multiply imaged supernova behind MACS1149.5+2223, ApJ, 817, 60

266. M. Annunziatella et al. (22 coauthors including **P. Rosati**) 2016
CLASH-VLT: Environment-driven evolution of galaxies in the $z = 0.209$ cluster Abell 209, A&A, 585, A160

265. Karman, W.; Grillo, C.; Balestra, I.; **Rosati, P.**; Caputi, K.I. et al. 2016
A highly-ionized region surrounding SN Refsdal revealed by MUSE, A&A, 585, A27

264. D. Stock et al. (10 coauthors including **P. Rosati**) 2015
The projected gravitational potential of the galaxy cluster MACS J1206 derived from galaxy kinematics, A&A, 584, A63

263. G.A. Ogrean, et al. (29 coauthors including **P. Rosati**) 2015
Frontier Fields Clusters: Chandra and JVLA View of the Pre-merging Cluster MACS J0416.1−2403, ApJ, 812, 153

262. P. Tozzi et al. (12 coauthors including **P. Rosati**) 2015
New XMM-Newton observation of the Phoenix cluster: properties of the cool core, A&A, 580, A6

261. M. Girardi et al. (38 coauthors including **P. Rosati**) 2015
CLASH-VLT: Substructure in the galaxy cluster MACS J1206.2−0847 from kinematics of galaxy populations, A&A, 579, A4

260. Liu, T., Tozzi, P., Tundo, E., Moretti, A., **Rosati, P.**, Wang, J.-X.; Tagliaferri, G., Campana, S., Giavalisco, M. 2015
The Swift X-Ray Telescope Cluster Survey. III. Cluster Catalog from 2005-2012 Archival Data, ApJS, 216, 28

259. A.H. Young et al. (21 coauthors including **P. Rosati**) 2015
Measurements of the Sunyaev-Zel'dovich Effect in MACS J0647.7+7015 and MACS J1206.2−0847 at High Angular Resolution with MUSTANG, ApJ, 809, 185

258. A. Finoguenov et al. (25 coauthors including **P. Rosati**) 2015
Ultra-deep catalog of X-ray groups in the ECDF-S, A&A, 576, A130

257. X. Huang et al. (26 coauthors including **P. Rosati**) 2015
CLASH: Extreme Emission Line Galaxies and Their Implication on Selection of High-Redshift Galaxies, ApJ, 801, 12

256. A. Zitrin et al. (26 coauthors including **P. Rosati**) 2015
Hubble Space Telescope Combined Strong and Weak Lensing Analysis of the CLASH Sample: Mass and Magnification Models and Systematic Uncertainties, ApJ, 801, 44

255. Grillo, C., Suyu, S.H., **Rosati, P.**, Mercurio, A., Balestra, I. et al. (23 other coauthors) 2014
CLASH-VLT: Insights on the mass substructures in the Frontier Fields Cluster MACS J0416.1-2403 through accurate strong lens modeling, ApJ, 800, 38

254. J.S. Santos et al. (12 coauthors including **P. Rosati**) 2015
The reversal of the SF-density relation in a massive, X-ray-selected galaxy cluster at $z = 1.58$: results from Herschel, MNRAS, 447, L65

253. A. Monna et al. (17 coauthors including **P. Rosati**) 2015
Constraining the galaxy mass content in the core of A383 using velocity dispersion measurements for individual cluster members, MNRAS, 447, 1224

252. Tozzi, P., Santos, J.S., Jee, M.J., Fassbender, R., **Rosati, P.** et al. (9 other coauthors) 2015
Chandra deep observation of XDCP J0044.0-2033, a massive galaxy cluster at $z > 1.5$, ApJ, 799, 93

251. Karman, W.; Caputi, K. I.; Grillo, C.; Balestra, I.; **Rosati, P.** et al. 2015
MUSE integral-field spectroscopy towards the Frontier Fields Cluster Abell S1063: I. Data products and redshift identifications, A&A, 574, A11

250. J. Merten et al. (41 coauthors including **P. Rosati**) 2015
CLASH: The Concentration-Mass Relation of Galaxy Clusters, ApJ, 806, 4

249. M. Meneghetti et al. (45 coauthors including **P. Rosati**) 2014
The MUSIC of CLASH: predictions on the concentration-mass relation, ApJ, 797, 34

248. M. Donahue et al. (38 coauthors including **P. Rosati**) 2014
CLASH-X: A Comparison of Lensing and X-ray Techniques for Measuring the Mass Profiles of Galaxy Clusters, ApJ, 794, 136

247. L.D. Bradley et al. (37 coauthors including **P. Rosati**) 2014
CLASH: A Census of Magnified Star-forming Galaxies at $z \sim 6-8$, ApJ, 792, 76

246. R.J. Bouwens et al. (37 coauthors including **P. Rosati**) 2014
A Census of Star-forming Galaxies in the $z \sim 9-10$ *Universe based on HST+Spitzer Observations over 19 Clash Clusters: Three Candidate* $z \sim 9-10$ *Galaxies and Improved Constraints on the Star Formation Rate Density at* z 9.2, ApJ, 795, 126

245. K. Umetsu et al. (41 coauthors including **P. Rosati**) 2014
CLASH: Weak-Lensing Shear-and-Magnification Analysis of 20 Galaxy Clusters, ApJ, 795, 163

244. B. Pratel et al. (45 coauthors including **P. Rosati**) 2014
Three Gravitationally Lensed Supernovae behind CLASH Galaxy Clusters , ApJ, 786, 9

243. Annunziatella, M., Biviano, A., Mercurio, A., Nonino, A., **Rosati, P.** et al. (22 other coauthors) 2014
CLASH-VLT: The stellar mass function and stellar mass density profile of the $z = 0.44$ *cluster of galaxies MACS J1206.2-0847*, A&A, 517, A80

242. R. Fassbender et al. (23 coauthors including **P.Rosati**) 2014
Galaxy population properties of the massive X-ray luminous galaxy cluster XDCP J0044.0-2033 at $z = 1.58$*: red-sequence formation, massive galaxy assembly, and central star formation activity*, A&A, 568, A5

241. De Grandi, S., Santos, J.S., Nonino, M., Molendi, S., Tozzi, P., Rossetti, M., Fritz, A., **Rosati, P.** 2013
On the Fe abundance peak formation in cool-core clusters of galaxies: hints from cluster WARPJ1415.1+3612 at $z = 1.03$, A&A, 567, 102A

240. Tozzi, P., Moretti, A., Tundo, E., Liu, T., **Rosati, P.** et al. (5 other coauthors) 2014
The Swift X-ray Telescope Cluster Survey. II. X-ray spectral analysis, A&A, 567, 89A

239. L. Amati et al. (23 coauthors including **P. Rosati**) 2014
GAME: GRB and All-sky Monitor Experiment, Int.J.Mod.Ph.D, 23, 1430010

238. Grillo, C., Gobat, R., Presotto, V., Balestra, I., Mercurio, A,, **Rosati, P.** et al. (32 other coauthors) 2014
CLASH: Extending Galaxy Strong Lensing to Small Physical Scales with Distant Sources Highly Magnified by Galaxy Cluster Members, ApJ, 786, 11

237. P. Brandon et al. (45 coauthors including **P. Rosati**) 2014
Three Gravitationally Lensed Supernovae behind CLASH Galaxy Clusters, ApJ, 786, 9

236. Presotto, V., Girardi, M., Nonino, M., Mercurio, A., Grillo, C., **Rosati, P.** et al. (33 other coauthors) 2014
Intracluster light properties in the CLASH-VLT cluster MACS J1206.2-0847, A&A, 565, 126A

235. A. Nastasi et al. (14 coauthors including **P. Rosati**) 2014
Kinematic analysis of a sample of X-ray luminous distant galaxy clusters. The $L_X - \sigma_v$ *relation in the* $z > 0.6$ *universe*, A&A, 562, 17A

234. R. Smit et al. (33 coauthors including **P. Rosati**) 2014
Evidence for Ubiquitous High-equivalent-width Nebular Emission in $z \sim 7$ Galaxies: Toward a Clean Measurement of the Specific Star-formation Rate Using a Sample of Bright, Magnified Galaxies, ApJ, 784, 58

233. E. Vanzella et al. (21 coauthors including **P. Rosati**) 2014
Characterizing faint galaxies in the reionization epoch: LBT confirms two $L < 0.2L^*$ sources at $z = 6.4$ behind the CLASH/Frontier Fields cluster MACS0717.5+3745, ApJ, 783, L12

232. Sartoris, B., Biviano, A., **Rosati, P.**, Borgani, S., Umetsu, K. et al. (37 other coauthors) 2014
CLASH-VLT: Constraints on the Dark Matter Equation of State from Accurate Measurements of Galaxy Cluster Mass Profiles, ApJ, 783, L11

231. O. Graur et al. (41 coauthors including **P. Rosati**) 2014
Type-Ia Supernova Rates to Redshift 2.4 from CLASH: The Cluster Lensing And Supernova Survey with Hubble, ApJ, 783, 28

230. S. Jouvel et al. (38 coauthors including **P. Rosati**) 2014
CLASH: Photometric redshifts with 16 HST bands in galaxy cluster fields, A&A, 562, 86A

229. A. Monna et al. (30 coauthors including **P. Rosati**) 2014
CLASH: $z \sim 6$ young galaxy candidate quintuply lensed by the frontier field cluster RXC J2248.7-4431, MNRAS, 438, 1417

228. Bonzini, M., Padovani, P., Mainieri, V., Kellermann, K.I., Miller, N., **Rosati, P.**, Tozzi, P., Vattakunnel, S. 2013
The sub-mJy radio sky in the Extended Chandra Deep Field-South: source population, MNRAS, 436, 3759

227. E. Medezinski et al. (38 coauthors including **P. Rosati**) 2013
CLASH: Complete Lensing Analysis of the Largest Cosmic Lens MACS J0717.5+3745 and Surrounding Structures, ApJ, 777, 43

226. Balestra, I., Vanzella, E. **Rosati, P.**, Monna, A., Grillo, C. et al. (44 other coauthors) 2013
CLASH-VLT: spectroscopic confirmation of a $z = 6.11$ quintuply lensed galaxy in the Frontier Fields cluster RXC J2248.7-4431, A&A. 559, L9

225. D. Lemze et al. (42 coauthors including **P. Rosati**) 2013
The Contribution of Halos with Different Mass Ratios to the Overall Growth of Cluster-sized Halos, ApJ, 776, 91

224. Biviano, A., **Rosati, P.**, Balestra, I., Mercurio, A., Girardi, M et al. (43 other coauthors) 2013
CLASH-VLT: The mass, velocity-anisotropy, and pseudo-phase-space density profiles of the $z = 0.44$ galaxy cluster MACSJ1206.2-0847, A&A, 558, 1A

223. T. Eichner et al. (35 coauthors including **P. Rosati**) 2013
Galaxy Halo Truncation and Giant Arc Surface Brightness Reconstruction in the Cluster MACSJ1206.2-0847, ApJ, 774, 124

222. J.S. Santos et al. (20 coauthors including **P. Rosati**) 2013
Dust-obscured star formation in the outskirts of XMMU J2235.3-2557, a massive galaxy cluster at $z = 1.4$, MNRAS, 433, 1287

221. Nantais, J.B., Rettura, A., Lidman, C., Demarco, R., Gobat, R., **Rosati, P.**, Jee, M. J. 2013
Star-forming fractions and galaxy evolution with redshift in rich X-ray-selected galaxy clusters, A&A, 556, 112A

220. C.Lidman et al. (25 coauthors including **P. Rosati**) 2013
The importance of major mergers in the build up of stellar mass in brightest cluster galaxies at $z = 1$, MNRAS, 423, 825

219. Nantais, J.B., Flores, H., Demarco, R., Lidman, C., **Rosati, P.**, Jee, M. J. 2013
Morphology with light profile fitting of confirmed cluster galaxies at $z = 0.84$, A&A, 555, 5A

218. N.A. Miller et al. (9 coauthors including **P. Rosati**) 2013
The Very Large Array 1.4 GHz Survey of the Extended Chandra Deep Field South: Second Data Release, ApJS, 205, 13

217. Tozzi, P., Santos, J. S., Nonino, M., **Rosati**, P., Borgani, S., Sartoris, B., Altieri, B., Sanchez-Portal, M. 2013
Chandra and optical/IR observations of CXO J1415.2+3610, a massive, newly discovered galaxy cluster at $z \sim 1.5$, A&A, 551, 45A

216. A. de Hoon et al. (18 coauthors including **P. Rosati**) 2013
Distant galaxy clusters in a deep XMM-Newton field within the CFTHLS D4, A&A, 551, 8A

215. A. Zitrin et al. (24 coauthors including **P. Rosati**) 2013
CLASH: The Enhanced Lensing Efficiency of the Highly Elongated Merging Cluster MACS J0416.1-2403, ApJ, 762, L30

214. D. Coe et al. (23 coauthors including **P. Rosati**) 2013
CLASH: Three Strongly Lensed Images of a Candidate $z \approx 11$ Galaxy, ApJ, 762, 32

213. Liu, T., Tozzi, P., Tundo, E., Moretti, A., Wang, J.-X., **Rosati, P.**, Guglielmetti, F. 2013
EXSdetect: an end-to-end software for extended source detection in X-ray images: application to Swift-XRT data, A&A, 549, 143A

212. J. Kurk et al. (15 coauthors including **P. Rosati**) 2013
GMASS ultradeep spectroscopy of galaxies at $z \sim 2$ - VII. Sample selection and spectroscopy, A&A, 549, 63A

211. W. Zheng et al. (36 coauthors including **P. Rosati**) 2012
A magnified young galaxy from about 500 million years after the Big Bang, Nat, 489, 406

210. Bonzini, M., Mainieri, V., Padovani, P., Kellermann, K.I., Miller, N., **Rosati, P.**, Tozzi, P., Vattakunnel, S., Balestra, I., Brandt, W.N. et al. 2012
The sub-mJy radio population of the E-CDFS: optical and infrared counterpart identification, ApJS, 203, 15

209. Tundo, E., Moretti, A., Tozzi, P., Teng, L., **Rosati, P.**, Tagliaferri, G., Campana, S. 2012
The Swift X-ray Telescope Cluster Survey: data reduction and cluster catalog for the GRB fields, A&A, 547, 57

208. Vanzella E., Nonino M., Cristiani C., **Rosati P**, Zitrin A., Bartelmann M., Grazian A., Broadhurst T, Meneghetti M., Grillo C. 2012
Probing ionizing radiation of $L < 0.1L*$ star-forming galaxies at $z > 3$ with strong lensing, MNRAS, 424, L54

207. M. Moresco et al. (68 coauthors including **P. Rosati**) 2012
Improved constraints on the expansion rate of the Universe up to $z \sim 1.1$ from the spectroscopic evolution of cosmic chronometers, JCAP08(2012)006, (arXiv:1201.3609)

206. K. Umetsu et al. (21 coauthors including **P. Rosati**) 2012
CLASH: Mass Distribution in and around MACS J1206.2-0847 from a Full Cluster Lensing Analysis, ApJ, 755, 56

205. S. Mei et al. (21 coauthors including **P. Rosati**) 2012
Early-type Galaxies at $z = 1.3$. I. The Lynx Supercluster: Cluster and Groups at $z = 1.3$. Morphology and Color-Magnitude Relation, ApJ, 754, 141

204. B. Sartoris, S. Borgani, **P. Rosati** & Weller, J. 2012
Probing dark energy with the next generation X-ray surveys of galaxy clusters, MNRAS, 423, 2503

203. J.S. Santos, P. Tozzi, **P. Rosati**, M.Nonino, G. Giovannini 2012
Deep Chandra observation of the galaxy cluster WARPJ1415.1+3612 at $z = 1$: an evolved cool-core cluster at high-redshift, A&A, 539, 105

202. A. Zitrin, **P. Rosati**, M. Nonino, C. Grillo, M. Postman et al. 2012
CLASH: New Multiple-Images Constraining the Inner Mass Profile of MACS J1206.2−0847, ApJ, 749, 97

201. Talia, M. et al. (16 coauthors including **P. Rosati**) 2012
GMASS ultradeep spectroscopy of galaxies at $z \sim 2$ VII. Star formation, extinction, and gas outfows from UV spectra, A&A, 539, 61

200. Postman, M. et al. (43 coauthors including **P. Rosati**) 2012
Cluster Lensing And Supernova survey with Hubble (CLASH): An Overview , ApJS, 199, 25

199. Coe, D. et al. (46 coauthors including **P. Rosati**) 2012
CLASH: Precise New Constraints on the Mass Profile of Abell 2261, ApJ, 757, 22

198. Zitrin, A. et al. (25 coauthors including **P. Rosati**) 2012
CLASH: Discovery of a Bright $z \sim 6.2$ Dwarf Galaxy Quadruply Lensed by MACS J0329.6–0211, ApJ, 749, 97

197. Pierini, A. et al. (31 coauthors including **P. Rosati**) 2012
First simultaneous optical/near-infrared imaging of an X-ray selected, high-redshift cluster of galaxies with GROND: the galaxy population of XMMU J0338.7+0030 at $z = 1.1$, A&A, 540, 45

196. A. Raichoor, S. Mei, S.A. Stanford, B.P. Holden, Nakata, F., **Rosati, P.** et al. 2012
Early-type Galaxies at z 1.3. IV. Scaling Relations in Different Environments, ApJ, 745, 130

195. Meyers, J. et al. (39 coauthors including **P. Rosati**) 2012
The Hubble Space Telescope Cluster Supernova Survey: III. Correlated Properties of Type Ia Supernovae and Their Hosts at $0.9 < z < 1.46$, ApJ, 750, 1

194. Suzuki, N. et al. (66 coauthors including **P. Rosati**) 2012
The Hubble Space Telescope Cluster Supernova Survey. V. Improving the Dark-energy Constraints above $z > 1$ *and Building an Early-type-hosted Supernova Sample*, ApJ, 746, 85

193. Barbary, K. et al. (44 coauthors including **P. Rosati**) 2012
The Hubble Space Telescope Cluster Supernova Survey. II. The Type Ia Supernova Rate in High-redshift Galaxy Clusters, ApJ, 745, 32

192. Barbary, K. et al. (44 coauthors including **P. Rosati**) 2012
The Hubble Space Telescope Cluster Supernova Survey. VI. The Volumetric Type Ia Supernova Rate, ApJ, 745, 31

191. Grogin, A.N. et al. (106 coauthors including **P. Rosati**) 2011
CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey, ApJS, 197, 35

190. Koekemoer, A.M. et al. (122 coauthors including **P. Rosati**) 2011
CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey - The Hubble Space Telescope Observations, Imaging Data Products and Mosaics, ApJS, ApJS, 197, 35

189. Padovani, P.; Miller, N.; Kellermann, K. I.; Mainieri, V.; **Rosati, P.**; Tozzi, P. 2011
The VLA Survey of Chandra Deep Field South. V. Evolution and Luminosity Functions of Sub-millijansky Radio Sources and the Issue of Radio Emission in Radio-quiet Active Galactic Nuclei, ApJ, 740, 20

188. J.S. Santos, R. Fassbender, A. Nastasi, H. Böhringer, **P. Rosati** and 9 coauthors 2011
Discovery of a massive X-ray luminous galaxy cluster at $z = 1.579$, A&A, 531, L15

187. M.J. Jee, K.S. Dawson, H. Hoekstra, S. Perlmutter, **P. Rosati** and 20 coauthors 2011
Scaling Relations and Overabundance of Massive Clusters at z¿ 1 from Weak-Lensing Studies with HST, ApJ, 737, 59

186. Zitrin, A. et al. (41 coauthors including **P. Rosati**) 2011
The Cluster Lensing and Supernova Survey with Hubble (CLASH): Strong Lensing Analysis of Abell 383 from 16-Band HST WFC3/ACS Imaging, ApJ, 742, 117

185. Nastasi, A.; Fassbender, R.; Böhringer, H.; Suhada, R.; **Rosati, P.** et al. 2011
Discovery of the X-ray selected galaxy cluster XMMU J0338.8+0021 at $z = 1.49$. *Indications of a young system with a brightest galaxy in formation*, A&A, 532, L6

184. Y.Q. Xue et al. et al. (25 coauthors including **P. Rosati**) 2011
The Chandra Deep Field-South Survey: 4 Ms Source Catalogs, ApJS, 195, 10

183. R. Suhada, R. Fassbender, A. Nastasi, H. Böhringer, A. de Hoon, D. Pierini, J.S. Santos, **P. Rosati** and 6 coauthors 2011
Exploring the galaxy cluster-group transition regime at high redshifts. Physical properties of two newly detected $z > 1$ *systems*, A&A, 530, 110

182. R. Gilli, J. Su, C. Norman, C. Vignali, A. Comastri, P. Tozzi, **P. Rosati** and 9 coauthors 2011
A Compton-thick Active Galactic Nucleus at $z \sim 5$ *in the 4 Ms Chandra Deep Field South*, ApJ, 730, L28

181. A. Rettura, S. Mei, S.A. Stanford, A. Raichoor, S. Moran, B. Holden, **Rosati**, R. Ellis, F. Nakata, M. Nonino and 13 coauthors 2011
Early-type Galaxies at $z \sim 1.3$. *III. On the Dependence of Formation Epochs and Star Formation Histories on Stellar Mass and Environment*, ApJ, 732, 94

180. H. Yu, P. Tozzi, S. Borgani, **P. Rosati**, Z.H. Zhu 2011
Measuring redshift through X-ray spectroscopy of galaxy clusters: results from Chandra data and future prospects, A&A, 529, 65

179. A. Raichoor, S. Mei, F. Nakata, S.A. Stanford, B.P. Holden, A. Rettura, M. Huertas-Company, M. Postman, **P. Rosati** and 8 coauthors 2011
Early-type Galaxies at $z \sim 1.3$. II. Masses and Ages of Early-type Galaxies in Different Environments and Their Dependence on Stellar Population Model Assumptions, ApJ, 732, 12

178. M. Kümmel, **P. Rosati**, R. Fosbury, J. Haase, R N. Hook, et al. 2011
The Hubble Legacy Archive ACS Grism Data, A&A, 530, 86

177. R. Fassbender et al. (19 coauthors including **P. Rosati**) 2011
The X-ray luminous galaxy cluster population at $0.9 < z \lesssim 1.6$ as revealed by the XMM-Newton Distant Cluster Project, NJPh, 13,125014 (arXiv:1111.0009)

176. R. Fassbender, A. Nastasi, H.Böhringer, R. Suhada, J.S. Santos, **P. Rosati** et al. 2011
The X-ray luminous galaxy cluster XMMU J1007.4+1237 at $z = 1.56$ - the dawn of starburst activity in cluster cores, A&A, 527, 78

175. Fassbender R. et al. (19 coauthors including **P. Rosati**) 2011
A pan-chromatic view of the galaxy cluster XMMU J1230.3+1339 at $z = 0.975$ - Observing the assembly of a massive system, A&A, 527, L10

174. Comastri A. et al. (27 coauthors including **P. Rosati**) 2011
The XMM Deep survey in the CDFS. I. First results on heavily obscured AGN, A&A, 526, L9

173. K.K. Nilsson, O. Möller-Nilsson, **P.Rosati**, M. Lombardi, M. Kümmel, H. Kuntschner, J.R. Walsh, R.A.E. Fosbury 2011
Stellar properties of $z \sim 1$ Lyman-break galaxies from ACS slitless grism spectra, A&A, 526,10

172. R. Demarco, R. Gobat, **P. Rosati**, C. Lidman, A. Rettura et al. 2010
Star Formation Histories in a Cluster Environment at $z \sim 0.84$, ApJ, 725, 1252

171. V. Strazzullo, **P.Rosati**, M. Pannella, R. Gobat, J.S. Santos, et al. 2010
Cluster galaxies in XMMU J2235-2557: galaxy population properties in most massive environments at $z \sim 1.4$, A&A, 524, 17

170. J.D. Silverman, V. Mainieri, M. Salvato, G. Hasinger, J. Bergeron, P. Capak, G. Szokoly, A. Finoguenov, R. Gilli, **P. Rosati** et al. 2010
The Extended Chandra Deep Field-South Survey: Optical spectroscopy of faint X-ray sources with the VLT and Keck, ApJS, 191, 124

169. Vanzella E. et al. (16 coauthors including **P. Rosati**) 2010
The Great Observatories Origins Deep Survey: Constraints on the Lyman Continuum Escape Fraction Distribution of Lyman–Break Galaxies at $3.4 < z < 4.5$, ApJ, 725, 1011

168. B. Sartoris, S. Borgani, C. Fedeli, S. Matarrese, L. Moscardini, **P. Rosati**, J. Weller 2010
The potential of X-ray cluster surveys to constrain primordial non-Gaussianity, MNRAS, 407, 2339

167. Wang, Y. et al. (16 coauthors including **P. Rosati**) 2010
Designing a space-based galaxy redshift survey to probe dark energy, MNRAS, 409, 737

166. Schwope, A.D. et al. (25 coauthors including **P. Rosati**) 2010
XMMU J100750.5+125818: a strong lensing cluster at $z = 1.082$, A&A, 513, L10

165. Vanzella, E. et al. (11 coauthors including **P. Rosati**) 2010
The unusual N IV]-emitter galaxy GDS J033218.92−275302.7: star formation or AGN-driven winds from a massive galaxy at $z = 5.56$, A&A, 513, 20

164. I. Balestra, V. Mainieri, P. Popesso, M. Dickinson, M. Nonino, **P. Rosati**, M. Dickinson, B. Vandame et al. 2010
The Great Observatories Origins Deep Survey - VLT/ISAAC Near-Infrared Imaging of the GOODS-South Field, A&A, 511, 50

163. J. Retzlaff, **P. Rosati**, M. Dickinson, B. Vandame et al. 2010
The Great Observatories Origins Deep Survey - VLT/ISAAC Near-Infrared Imaging of the GOODS-South Field, A&A, 511, 50

162. M. Chiaberge, A. Capetti, F.D. Macchetto, **P. Rosati**, P. Tozzi, G.R. Tremblay 2010
Three Candidate Clusters of Galaxies at Redshift 1.8: The "Missing Link" Between Proto-clusters and Local Clusters?, ApJ, 710, L107

161. M. Puech, **P. Rosati**, S. Toft, A. Cimatti, B. Neichel, & T. Fusco 2010
Simulating the physics and mass assembly of distant galaxies out to $z \sim 6$ with the E-ELT, MNRAS, 402, 903

160. J.E. Geach, A. Cimatti, W. Percival, Y. Wang, L. Guzzo, G. Zamorani, **P. Rosati** et al. 2010
Empirical Hα emitter count predictions for dark energy surveys, MNRAS, 402, 1330

159. Castellano, M. et al. (24 coauthors including **P. Rosati**) 2010
Evidence of a fast evolution of the UV luminosity function beyond redshift 6 from a deep HAWK-I survey of the GOODS-S field, A&A, 511, 20

158. A.Rettura, **P.Rosati**, M.Nonino, R.A.E.Fosbury, R.Gobat, N.Menci, V.Strazzullo, R.Demarco, H.C.Ford, S.Mei 2010
Formation epochs, star formation histories and morphologies of massive early-type galaxies, in cluster and field environments at z=1.2: insights from the rest-frame UV, ApJ, 709, 512

157. **P. Rosati**, P. Tozzi, R. Gobat, R., J.S. Santos, M. Nonino et al. 2009
Multi-wavelength study of XMMU J2235.3-2557: the most massive galaxy cluster at $z > 1$, A&A, 508, 583

156. M. Tanaka, C. Lidman, R.G. Bower, R. Demarco, A. Finoguenov, T. Kodama, F. Nakata, **P. Rosati** 2009
Star Formation Activities of Galaxies in the Large-Scale Structures at $z = 1.2$, A&A, 507, 671

155. M.J Jee, **P. Rosati**, H.C. Ford, K.S. Dawson, C. Lidman et al. 2009
Hubble Space Telescope Weak-lensing Study of the Galaxy Cluster XMMU J2235.3-2557 at $z = 1.4$: A Surprisingly Massive Galaxy Cluster when the Universe is One-third of its Current Age, ApJ, 704, 672

154. Dawson, K.S. et al. (22 coauthors including **P. Rosati**) 2009
An Intensive HST Survey for $z > 1$ Supernovae by Targeting Galaxy Clusters, ApJ, 138, 1271

153. Kurk, J. et al. (15 coauthors including **P. Rosati**) 2009
Witnessing the assembly at $z = 1.6$ of a galaxy cluster (GMASS ultradeep spectroscopy of galaxies at $z \sim 2 - V$), A&A, 504, 331

152. Cappellari, M. et al. (14 coauthors including **P. Rosati**) 2009
Dynamical masses of early-type galaxies at $z \sim 2$: Are they truly superdense?, ApJ, 704, L34

151. M. Nonino, M. Dickinson, **P.Rosati**, A. Grazian, N. Reddy et al. 2009
Deep U Band and R Imaging of Goods-South: Observations, Data Reduction and First Results, ApJS, 183, 244

150. C. Grillo, R. Gobat, M. Lombardi, **P. Rosati** 2009
Photometric mass and mass decomposition in early-type lens galaxies, A&A,501, 461

149. S. Ettori, A.Morandi, P. Tozzi, I. Balestra, S. Borgani, **P. Rosati**, L. Lovisari, F. Terenziani, 2009
The cluster gas mass fraction as a cosmological probe: a revised study, A&A, 501, 61

148. J.S. Santos, **P. Rosati**, R. Gobat, C. Lidman, K. Dawson et al. 2009
Multiwavelength observations of a rich galaxy cluster at $z \simeq 1$. The HST/ACS colour-magnitude diagram, A&A, 501, 49

147. Noll, S. et al. (17 coauthors including **P. Rosati**) 2009
GMASS ultradeep spectroscopy of galaxies at $z \sim 2$. IV. The variety of dust populations, A&A, 499, 69

146. E. Vanzella, M. Giavalisco, M. Dickinson, S. Cristiani, M. Nonino, H. Kuntschner, P. Popesso, **P. Rosati** et al. 2009
Spectroscopic Observations of Lyman-Break Galaxies at Redshift 4, 5 and 6 in the GOODS-South Field, A&A, 695, 1163

145. P. Tozzi, V. Mainieri, **P.Rosati**, P. Padovani, K.I. Kellermann et al. 2009
The VLA survey of the Chandra Deep Field South III: X-ray spectral properties of radio sources, Ap.J., 698, 740

144. J. Kurk, A.Cimatti, G.Zamorani, C.Halliday, M.Mignoli, L.Pozzetti, E.Daddi, **P.Rosati**, et al. 2009
GMASS Ultradeep Spectroscopy of Galaxies at $z \sim 2$ IV. Witnessing the assembly of a galaxy cluster at $z = 1.6$, A&A, 504, 331
143. S. Mei, J.P. Blakeslee, M. Franx, B.P. Holden, N. Homeier, M.J. Jee, M. Postman, **P. Rosati**, H.C. Ford, G.D. Illingwort 2009
Evolution of the Color-Magnitude Relation in Galaxy Clusters at $z \sim 1$ from the ACS Intermediate Redshift Cluster Survey , ApJ, 690, 42
142. P. Padovani, V. Mainieri, P. Tozzi, N. K.I. Kellermann, E.B. Fomalont, N.Miller, **P. Rosati**, P. Shaver, 2008
The VLA Survey of the Chandra Deep Field South. IV. Source Population, ApJ, 694, 235 (arXiv:0812.2997)
141. C. Lidman, **P. Rosati**, M. Tanaka, V. Strazzullo, R. Demarco et al. 2008
HAWK-I imaging of the X-ray luminous galaxy cluster XMMU J2235.3-2557: The red sequence at $z = 1.39$, A&A, 489, 981
140. M. Tanaka, A. Finoguenov, T. Kodama, T. Morokuma, **P. Rosati** et al. 2008
The Environmental Dependence of Properties of Galaxies around the RDCSJ0910+54 Cluster at $z = 1.1$, A&A, 489, 571, astro-ph/0808.1961
139. R.Giacconi and **P.Rosati** 2008
Cosmic X-ray sources, *Scholarpedia*, 3(4):4391
(`http://www.scholarpedia.org/article/Cosmic_X-ray_sources`)
138. K.I. Kellermann, E.B. Fomalont, V. Mainieri, P. Padovani, **P. Rosati**, P. Shaver, P. Tozzi, N. Miller 2008
The VLA Survey of the Chandra Deep Field South: I. Overview of the Radio Data, ApJS, 179, 71
137. N.A.Miller, E.B. Fomalont, K.I. Kellermann, V. Mainieri, C. Norman, P. Padovani, **P. Rosati**, P. Tozzi 2008
The VLA 1.4GHz Survey of the Extended Chandra Deep Field South: First Data Release, ApJS, 179, 114
136. V. Mainieri, K.I. Kellermann, E.B. Fomalont, N. Miller, P. Padovani, **P. Rosati**, P. Shaver, J. Silverman, P. Tozzi, J. Bergeron, et al. 2008
The VLA Survey of the Chandra Deep Field South. II. Identification and host galaxy properties of submillijansky sources, ApJS, 179, 95
135. Luo, B. et al. (22 coauthors including **P. Rosati**) 2008
The Chandra Deep Field-South Survey: 2 Ms Source Catalogs, ApJS, 179, 19
134. Maschietto, F. et al. (15 coauthors including **P. Rosati**) 2008
[OIII] emitters in the field of the MRC 0316-257 protocluster, *MNRAS*, 389, 1223
133. Cimatti, A. et al. (20 coauthors including **P. Rosati**) 2008
SPACE: the SPectroscopic All-sky Cosmic Explorer, Experimental Astronomy, v23, 1,p33-49 (astro-ph/0804.4433)
132. A. Bignamini, P. Tozzi, S. Borgani, S. Ettori, **P. Rosati** 2008 *ICM properties and AGN distribution in high-z RCS clusters*, A&A, 489, 967
131. R.Gobat, **P.Rosati**, V.Strazzullo, A.Rettura, R.Demarco and M.Nonino 2008
Star formation histories of early-type galaxies at $z = 1.2$ in cluster, A&A, 488, 853
130. M. Puech, H. Flores, M. Lehnert, B. Neichel , T. Fusco, **P. Rosati** and J.-G. Cuby, G.Rousset 2008
Coupling MOAO with Integral Field Spectroscopy: specifications for the VLT and the E-ELT, *MNRAS*, 390, 1089
129. N.Menci, **P. Rosati**, R.Gobat, V.Strazzullo, A.Rettura, S.Mei, R.Demarco 2008
The Red Sequence of High-Redshift Clusters: a Comparison with Cosmological Galaxy Formation Models, ApJ, 685, 863
128. C.Grillo, M.Lombardi, **P.Rosati**, G.Bertin, R.Gobat, R.Demarco, C.Lidman, V. Motta, and M. Nonino 2008
A twelve-image gravitational lens system in the $z = 0.84$ cluster Cl J0152.7-1357, A&A, 486, 45

127. J.S. Santos, **P.Rosati**, P.Tozzi, H.Böhringer, S. Ettori 2008
Searching for Cool Core Clusters at High redshift, A&A, 483, 35

126. C. Grillo, R. Gobat, **P. Rosati**, and M. Lombardi 2008
Stellar mass estimates in early-type galaxies from lensing+dynamical and photometric measurements, A&A, 477, L25

125. Piro et al. (119 coauthors including **P. Rosati**) 2008
EDGE: Explorer of diffuse emission and gamma-ray burst explosions, Experimental Astronomy, 05/2008, astro-ph/0707.4103

124. Cassata, P. et al. (15 coauthors including **P. Rosati**) 2008
MASS ultradeep spectroscopy of galaxies at $z \sim 2$. III. The emergence of the color bimodality at $z \sim 2$, A&A, 483, 39

123. A.W. Zirm, S.A.Stanford, M.Postman, R.A.Overzier, J.P.Blakeslee, **P.Rosati** et al. 2008
The Nascent Red Sequence at $z \sim 2$, ApJ, 680, 224

122. L.D. Bradley, R.J. Bouwens, H.C. Ford, G.D. Illingworth, M.J. Jee, N. Benitez, M. Franx, B.L. Frye, L. Infante, V. Motta, **P. Rosati**, R.L. White, W. Zheng 2008
Discovery of a Very Bright Strongly-Lensed Galaxy Candidate at $z \approx 7.6$, ApJ, 678, 647

121. Cimatti, A. et al. (16 coauthors including **P. Rosati**) 2007
GMASS Ultradeep Spectroscopy of Galaxies at $z \sim 2$. II. Superdense passive galaxies: how did they form and evolve ?, A&A, 482, 21

120. R.Fassbender, H.Böhringer, G.Lamer, C.R.Mullis, **P.Rosati**, A.Schwope, J.Kohnert, J.S.Santos 2008
Indications for 3 Mpc-scale large-scale structure associated with an X-ray luminous cluster of galaxies at $z = 0.95$, A&A, 481, L73

119. C. Halliday, E. Daddi, A. Cimatti, J. Kurk, M. Bolzonella, L. Pozzetti, M. Dickinson, S. Berta, P. Cassata, M. Mignoli, G. Rodighiero, A. Franceschini, A. Renzini, **P. Rosati**, and G. Zamorani 2007
Stellar metallicity of star-forming galaxies at $z \sim 2$, A&A, 479, 41

118. E. Vanzella, S. Cristiani, M. Dickinson, M. Giavalisco, H. Kuntschner, J. Haase, M. Nonino, **P. Rosati**, et al. 2008
The Great Observatories Origins Deep Survey. VLT/FORS2 Spectroscopy in the GOODS-South Field: Part III, A&A, 478, 83

117. J. D. Silverman, V. Mainieri, B. D. Lehmer, D. M. Alexander, F. E. Bauer, J. Bergeron, W. N. Brandt, R. Gilli, G. Hasinger, D. P. Schneider, P. Tozzi, C. Vignali, A. M. Koekemoer, T. Miyaji, P. Popesso, **P. Rosati**, G. Szokoly 2008
The Evolution of AGN Host Galaxies: From Blue to Red and the Influence of Large-Scale Structures, ApJ, 675, 1025

116. B. P. Holden, G. D. Illingworth, M. Franx, J. P. Blakeslee, M. Postman, D. D. Kelson, A. van der Wel, R. Demarco, D. K. Magee, K.-V. Tran, A. Zirm, H. Ford, **P. Rosati**, N. Homeier 2007
Mass-Selection and the Evolution of the Morphology-Density Relation from $z = 0.8$ to $z = 0$, ApJ, 670, 190

115. Rzepecki, J.; Lombardi, M.; **Rosati, P.**; Bignamini, A.; Tozzi, P. 2007
Strong lensing analysis of the cluster RCS0224-0002 at $z = 0.77$, A&A, 471, 743

114. Nilsson, K.K.; Moller, P.; Möller, O.; Fynbo, J.P.U.; Michalowski, M.J.; Watson, D.; Ledoux, C.; **Rosati, P.**; Pedersen, K.; Grove, L. F 2007
A multi-wavelength study of $z = 3.15$ Lyman-α emitters in the GOODS South Field , A&A, 471, 71

113. Demarco, R.; **Rosati, P.**; Lidman, C.; Girardi, M.; Nonino, M.; Rettura, A.; Strazzullo, V.; van der Wel, A.; Ford, H. C.; Mainieri, V.; et al. 2007
VLT and ACS Observations of RDCS J1252.9-2927: Dynamical Structure and Galaxy Populations in a Massive Cluster at $z = 1.237$, ApJ, 663, 164

112. Böhringer, H. et al. (24 coauthors including **P. Rosati**) 2007
The representative XMM-Newton cluster structure survey (REXCESS) of an X-ray luminosity selected galaxy cluster sample, A&A, 469, 363

111. Tanaka, M.; Kodama, T.; Kajisawa, M.; Bower, R.; Demarco, R.; Finoguenov, A.; Lidman, C.; **Rosati, P.** 2007
A deficit of faint red galaxies in the possible large-scale structures around the RDCS J1252.9-2927 cluster at $z = 1.24$, *MNRAS*, 377, 1206

110. Dow-Hygelund, C. C.; Holden, B. P.; Bouwens, R. J.; Illingworth, G. D.; van der Wel, A.; Franx, M.; van Dokkum, P. G.; Ford, H.; **Rosati, P.**; Magee, D.; Zirm, A. 2007
Spectroscopy of z 6 i-Dropout Galaxies: Frequency of Ly-α Emission and the Sizes of Ly-emitting Galaxies, ApJ, 660, 47

109. De Propris, R.; Stanford, S.A.; Eisenhardt, P.R.; Holden, B.P.; **Rosati, P.**) 2007
The Rest-Frame K-Band Luminosity Function of Galaxies in Clusters to $z = 1.3$, AJ, 133, 2209

108. J. X. Wang et al. (16 coauthors including **P. Rosati**) 2006
Most hard X-ray selected quasars in Chandra Deep Fields are obscured, ApJ, 657, 95

107. I. Balestra, P. Tozzi, S. Ettori, **P. Rosati**, S. Borgani, V. Mainieri, C. Norman, M. Viola 2006
Tracing the evolution in the iron content of the ICM, A&A, 462, 429

106. A.Rettura, **P.Rosati**, V.Strazzullo, M.Dickinson, R.A.E.Fosbury et al. 2006
Comparing dynamical and photometric-stellar masses of early-type galaxies at z 1 , A&A, 458, 717

105. G.Miley et al. (14 coauthors including **P.Rosati**) 2006
The Spiderweb Galaxy: A Forming Massive Cluster Galaxy at z 2 , *ApJ* , 650, L29

104. T.Jeltema, J.Mulchaey, L.Lubin, **P.Rosati**, H.Böhringer 2006
X-Ray Properties of Intermediate-Redshift Groups of Galaxies, *ApJ* , 649, 649

103. N.Homeier et al. (15 coauthors including **P.Rosati**) 2006
The Formation Epoch of Early-Type Galaxies in the z 0.9 Cl 1604 Supercluster , *ApJ* , 647, 256

102. E.Vanzella, S.Cristiani, M.Dickinson, H.Kuntschner, M.Nonino, Rettura, **P.Rosati, P.** et al. 2006
The great observatories origins deep survey. VLT/FORS2 spectroscopy in the GOODS-South Field: Part II, A&A, 454, 423

101. J.Mulchaey, L.Lubin, C.Fassnacht, **P.Rosati**, T.Jeltema 2006
X-Ray-selected Intermediate-Redshift Groups of Galaxies, *ApJ* , 646, 133

100. H.Netzer, V.Mainieri, **P.Rosati**, Trakhtenbrot, B. 2006
The correlation of narrow line emission and X-ray luminosity in active galactic nuclei, A&A, 453, 525

99. S.Mei, B.P.Holden, J.P.Blakeslee, **P.Rosati**, M.Postman et al. 2006
Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Early-Type Galaxies in the Lynx Supercluster at $z \sim 1.26$, *ApJ* , 644, 759

98. J.P.Blakeslee, B.P.Holden, M.Franx, **P.Rosati**, R.J.Bouwens, et al. 2006
Clusters at Half Hubble Time: Galaxy Structure and Colors in RX J0152.7-1357 and MS 1054-03, *ApJ* , 644, 30

97. D.A.Golimowski et al. (43 coauthors including **P.Rosati**) 2006
Hubble Space Telescope ACS Multiband Coronagraphic Imaging of the Debris Disk around beta Pictoris , *AJ* , 131, 3109

96. Holden, B. P.; Franx, M.; Illingworth, G. D.; Postman, M.; Blakeslee, J. P.; Homeier, N.; Demarco, R.; Ford, H. C.; **Rosati, P.**; Kelson, D. D.; Tran, K.-V. H 2006
The Possible $z = 0.83$ Precursors of $z = 0$, M Early-Type Cluster Galaxies*, ApJ, 642, L123

95. Tozzi, P.; Gilli, R.; Mainieri, V.; Norman, C.; Risaliti, G.; **Rosati, P.** et al. 2006
X-ray spectral properties of active galactic nuclei in the Chandra Deep Field South, A&A, 451, 457

94. Strazzullo, V.; **Rosati, P.**; Stanford, S. A.; Lidman, C.; Nonino, M.; Demarco, R.; Eisenhardt, P. E.; Ettori, S.; Mainieri, V.; Toft, S. 2006
The near-infrared luminosity function of cluster galaxies beyond redshift one, A&A, 450, 909

93. Zheng, W. et al. (44 coauthors including **P.Rosati**) 2006
An Overdensity of Galaxies near the Most Distant Radio-loud Quasar, *AJ* , 640, 574

92. Mei, S.; Blakeslee, J. P.; Stanford, S. A.; Holden, B. P.; **Rosati, P.**; Strazzullo, V. et al. 2006
Evolution of the Color-Magnitude Relation in High-Redshift Clusters: Blue Early-Type Galaxies and Red Pairs in RDCSJ0910+5422, ApJ, 639, 81

91. Overzier, R.A et al. (42 coauthors including **P.Rosati**) 2006
Clustering of Star-forming Galaxies Near a Radio Galaxy at $z = 5.2$, ApJ, 637, 58

90. C.R.Mullis, **P.Rosati**, G.Lamer, H.Boehringer, A.Schwope, P.Schuecker, R.Fassbender 2005
'Discovery of an X-ray-Luminous Galaxy Cluster at z=1.4', ApJ, 623, L85 (astro-ph/0503004)

89. A.van der Wel, M.Franx, P.G.van Dokkum, H.-W.Rix, G.D.Illingworth, **P.Rosati** 2005
'Mass-to-Light Ratios of Field Early-Type Galaxies at z 1 from Ultra-Deep Spectroscopy: Evidence for Mass-dependent Evolution', ApJ, in press (astro-ph/0502228)

88. M.Postman, M.Franx, N.Cross, B.Holden, H.Ford, G.Illingworth, T.Goto, R.Demarco, **P.Rosati**, et al. 2005
'The Morphology - Density Relation in z 1 Clusters', ApJ, in press (astro-ph/0501224)

87. B.P.Holden, J.P.Blakeslee, M.Postman, G.D.Illingworth, R.Demarco, M.Franx, **P.Rosati**, et al. 2005
'Evolution in the Cluster Early-type Galaxy Size-Surface Brightness Relation at $z = 1$*'*, ApJ, in press (astro-ph/0503365)

86. M.Lombardi, **P.Rosati**, J. Blakeslee, S.Ettori, R.Demarco, H.C.Ford, N.Benitez et al. 2005
'HST/ACS weak lensing analysis of the galaxy cluster RDCS 1252.9-2927 at $z = 1.24$*'*, ApJ, in press, (astro-ph/0501150)

85. V.Mainieri, **P.Rosati**, P.Tozzi, B.Bergeron, G.Hasingher, et al. 2005
'The Chandra Deep Field South/GOODS: Optically Faint X-ray Sources', A&A, in press, (astro-ph/0502542)

84. E.Vanzella, S.Cristiani, M.Dickinson, H.Kuntschner, L.A.Moustakas, M.Nonino, **P.Rosati**, et al. 2005
'The Great Observatories Origins Deep Survey - VLT/FORS2 Spectroscopy in the GOODS-South Field', A&A, in press (astro-ph/0406591)

83. N.L.Homeier, R.Demarco, **P.Rosati**, M.Postman, J.P.Blakeslee, et al. 2005
'The Transformation of Cluster Galaxies at Intermediate Redshift', ApJ, 621, 651

82. R.Demarco, **P.Rosati**, C.Lidman, et al. 2005
'A VLT Spectroscopic Survey of RXJ0152.7-1357, a forming cluster of galaxies at z-0.837', A&A, 432, 381

81. M.J.Jee, R.L.White, N.Benitez, H.C.Ford, J.P.Blakeslee, **P.Rosati**, R.Demarco, G.D.Illingworth 2005
'Weak Lensing Analysis of the z 0.8 cluster CL 0152-1357 with the Advanced Camera for Surveys ', ApJ, 618, 46

80. R.Gilli, E.Daddi, G.Zamorani, P.Tozzi, S.Borgani, J.Bergeron, R.Giacconi, G.Hasinger, V.Mainieri, C.Norman, **P.Rosati**, G.Szokoly, W. Zheng 2005
'The spatial clustering of X-ray selected AGN and galaxies in the Chandra Deep Field South and North', A&A, 430, 811

79. B.P.Holden, A. van der Wel, M. Franx, G.D. Illingworth, J.Blakeslee, P.van Dokkum, H.Ford, D.Magee, M.Postman, H.-W.Rix, and **P.Rosati** 2005,
'The Fundamental Plane of Cluster Ellipticals at $z = 1.25$*'*, ApJ, 620, L83

78. T.Broadhurst et al. (40 authors including **P.Rosati**) 2005
"Strong Lensing Analysis of A1689 from Deep Advanced Camera Images", ApJ, 621, 53

77. G.P.Szokoly, J.Bergeron, G.Hasinger, I.Lehmann, L.Kewley, V.Mainieri, M.Nonino, **P.Rosati**, et al. 2004
"The Chandra Deep Field-South: Optical Spectroscopy. I.", ApJS, 155, 271

76. N.J.G.Cross et al. (40 authors including **Rosati, P.**) 2004
'The Luminosity Function of Early-Type Galaxies at z 0.75', AJ, 198, 1990

75. S.Mieske et al. (40 authors including **Rosati, P.**) 2004
'Ultra Compact Dwarf galaxies in Abell 1689: a photometric study with the ACS', AJ, 128, 1529

74. W.Zheng, V.J. Mikles, V.Mainieri, G.Hasinger, **P.Rosati**, et al. 2004
'Photometric Redshift of X-Ray Sources in the Chandra Deep Field South', ApJS, 155, 73
73. Padovani,P.; Allen,M.G.; **Rosati, P.**; Walton,N.A. 2004
'Discovery of optically faint obscured quasars with Virtual Observatory tools', A&A, 424, 545
72. L.-G.Strolger et al. (36 authors including **Rosati, P.**) 2004
'The Hubble Higher z Supernova Search: Supernovae to $z \sim 1.6$ and Constraints on Type Ia Progenitor Models', ApJ, 613, 200
71. F.Menanteau et al. (34 authors including **Rosati, P.**) 2004
'Internal Color Properties of Resolved Spheroids in the Deep Hubble Space Telescope Advanced Camera for Surveys Field of UGC 10214', ApJ, 612, 202
70. C.Norman et al. (18 authors including **Rosati, P.**) 2004
'The X-Ray-derived Cosmological Star Formation History and the Galaxy X-Ray Luminosity Functions in the Chandra Deep Fields North and South', ApJ, 607, 721
69. Z.Y.Huo, J.S.Xue, H.Xu, G.Squires, **P.Rosati** 2004
Joint X-Ray and Optical Measurements of the Mass Distribution of the Distant Galaxy Cluster Cl J0152.7-1357, AJ, 127, 1263
68. **P.Rosati**, P.Tozzi, S.Ettori, V.Mainieri, R.Demarco, S.A.Stanford, et al. 2004
'Chandra and XMM-Newton Observations of RDCS1252.9-2927, A Massive Cluster at $z = 1.24$', AJ, 127, 230
67. Toft S., Mainieri V., **Rosati P.**, Lidman C., Demarco R., Nonino M., Stanford S.A., 2004
'K-band Luminosity Function of the $z = 1.237$ Cluster of Galaxies RDCS J1252.9-2927', A&A, 422, 29
66. Ettori S., Tozzi P., Borgani S., and **Rosati P.**, 2004
'Scaling laws in X-ray Galaxy Clusters at redshift betweem 0.4 and 1.3', A&A, 417, 13
65. G.Miley et al. (28 authors including **Rosati, P.**) 2004
'A large population of Lyman-break galaxies in a protocluster at redshift z 4.1', *Nature*, 427, 47
64. J.Blakeslee et al. (18 authors including **Rosati, P.**) 2004
'Advanced Camera for Surveys Observations of a Strongly Lensed Arc in a Field Elliptical Galaxy', ApJ, 602, L9
63. N.Benitez et al. (26 authors including **Rosati, P.**) 2004
'Faint Galaxies in Deep Advanced Camera for Surveys Observations', ApJS, 150, 1
62. B.Mobasher et al. (12 authors including **Rosati, P.**) 2004
'Photometric Redshifts for Galaxies in the GOODS Southern Field', ApJ, 600, L167
61. E.Daddi, et al. (12 authors including **Rosati, P.**) 2004
'Near-IR bright galaxies at $z \sim 2$. Entering the spheroid formation epoch ?', ApJ, 600, L127
60. M.Dickinson, et al. (18 authors including **Rosati, P.**) 2004
'Color-selected Galaxies at z 6 in the Great Observatories Origins Deep Survey', ApJ, 600, L90
59. M.Giavalisco, et al. (47 authors including **Rosati, P.**) 2004
'The Great Observatories Origins Deep Survey: Initial Results from Optical and Near-Infrared Imaging', ApJ, 600, L93
58. A.Koekemoer, et al. (18 authors including **Rosati, P.**) 2004
'A Possible New Population of Sources with Extreme X-Ray/Optical Ratios', ApJ, 600, L123
57. G.Meurer, et al. (33 authors including **Rosati, P.**) 2004
'The Discovery of Globular Clusters in the Protospiral Galaxy NGC 2915: Implications for Hierarchical Galaxy Evolution', ApJ, 599, L83
56. Lidman C., **Rosati P.**, Demarco R., Nonino M., Mainieri V., Stanford S.A., Toft S. 2004
'Deep near-infrared imaging of RDCS J1252.9-2927 at $z = 1.237$: The colour-magnitude diagram', A&A, 416, 829
55. **Rosati P.** 2003
'X-ray Clusters at High Redshift', in *Carnegie Observatories Astrophysics Series*, Vol. 3 (2003): Clusters of Galaxies: Probes of Cosmological Structure and Galaxy Evolution , ed. J. S. Mulchaey, A. Dressler, and A. Oemler (Cambridge: Cambridge Univ. Press)

54. Mainieri,V.; **Rosati P.**; Nonino,M.; Szokoly,G.; Bergeron,J.; Hasinger,G.; Lehmann,I.; Tozzi,P. 2003
'Chandra Deep Field South: the optically faint population', *AN, 324, 20*,

53. N. A. Grogin, A. M. Koekemoer, E. J. Schreier, J. Bergeron, R. Giacconi, G. Hasinger, L. Kewley, C. Norman, **P. Rosati**, P. Tozzi, A. Zirm, 2003
'Hubble Space Telescope Imaging in the Chandra Deep Field South: III. Quantitative Morphology of the 1Ms Chandra Counterparts and Comparison with the Field Population', ApJ, 595, 685

52. Blakeslee, J.P., Franx, M, Postman M., **Rosati P.**, et al. 2003
'Advanced Camera for Surveys Photometry of the Cluster RDCS 1252.9-2927: The Color-Magnitude Relation at $z = 1.24$', ApJ, 596, L143

51. Fosbury R.A.E, Villar-Martin M., Humphrey A., Lombardi M., **Rosati P.**, et al. 2003
'Massive Star Formation in a Gravitationally Lensed H II Galaxy at $z = 3.357$', ApJ, 596, 797

50. Grogin,N.A.; Koekemoer,A.M.; Schreier,E.J.; Bergeron,J.; Giacconi,R.; Hasinger,G.; Kewley,L.; Norman,C.; **Rosati,P.**; Tozzi,P.; Zirm,A. 2003
'Hubble Space Telescope Imaging in the Chandra Deep Field-South. III. Quantitative Morphology of the 1 Million Second Chandra Counterparts and Comparison with the Field Population', ApJ, 595, 685

49. Bouwens,R.J.; Illingworth,G.D.; **Rosati,P**.; Lidman,C.; Broadhurst,T.; Franx,M., et al. 2003
'tar Formation at $z \sim 6$: i-Dropouts in the Advanced Camera for Surveys Guaranteed Time Observation Fields', ApJ, 595, 589

48. Nipoti,C.; Stiavelli,M.; Ciotti,L.; Treu,T.; **Rosati,P.** 2003
'Galactic cannibalism in the galaxy cluster C0337-2522 at $z = 0.59$', *MNRAS*, 344, 748

47. Tozzi,P.; **Rosati,P.**; Ettori,S.; Borgani,S.; Mainieri,V.; Norman,C., 2003
'Iron Abundance in the Intracluster Medium at High Redshift', ApJ, 593, 705

46. Gilli R., Cimatti A., Daddi E., Hasinger G., **Rosati P.**, et al. 2003
Tracing the Large Scale Structure in the Chandra Deep Field South, ApJ, 592, 721

45. Ettori,S.; Tozzi,P.; **Rosati,P**. 2003
'Constraining the cosmological parameters with the gas mass fraction in local and $z > 0.7$ galaxy clusters', A&A, 398, 879

44. Clampin, M., et al. (24 authors from ACS team including **Rosati, P.**) 2003
'Hubble Space Telescope ACS Coronagraphic Imaging of the Circumstellar Disk around HD 141569A', AJ, 126, 385

43. Blakeslee J.P., et al. (23 authors from ACS team including **Rosati, P.**) 2003
'Discovery of Two Distant Type Ia Supernovae in the Hubble Deep Field-North with the Advanced Camera for Surveys', ApJ, 589, 693

42. Martel A.R., et al. (25 authors from ACS team including **Rosati, P.**) 2003
'Coronagraphic Imaging of 3C 273 with the Advanced Camera for Surveys', AJ, 125, 2964

41. Tran H.D. et al. (24 authors from ACS team including **Rosati, P.**) 2003
'Advanced Camera for Surveys Observations of Young Star Clusters in the Interacting Galaxy UGC 10214', ApJ, 585, 750

40. Wang,J.; Yaqoob,T.; Szokoly,G.; Gilli,R.; Kewley,L.; Mainieri,V.; Nonino,M.; **Rosati,P.**, et al. 2003
'A Puzzling X-Ray Source Found in the Chandra Deep Field-South', ApJ, 590, L87

Assessment Study Report Editorial Board

39. Maughan B.L, Jones L.R., Ebeling H., Perlman E., **Rosati P.**, Frye C., Mullis C. 2003
Chandra X-ray analysis of the massive high-redshift galaxy clusters ClJ1113.1-2615 and ClJ0152.7-1357, ApJ, 587, 589

38. **Rosati P.**, Borgani S., Norman C. 2002
'The Evolution of X-ray Clusters of Galaxies'
Annual Review of Astronomy & Astrophysics, 2002 *Volume 40, 539-577*

37. Mainieri V., Bergeron J., Hasinger G., Lehmann I., **Rosati P.**, Schmidt M., Szokoly G., Della Ceca R. 2002
XMM-Newton observation of the Lockman Hole. II. Spectral Analysis, A&A, 393, 425

36. Holden B., Stanford S.A., Squires G., **Rosati P.**, Tozzi P., Eisenhardt P.R., Spinrad H. 2002
Moderate Temperature Clusters of Galaxies from the RDCS and the High Redshift Luminosity-Temperature Relation, AJ, 124, 33

35. Giacconi R., Zirm A., Wang J.X., **Rosati P.**, Nonino M., Tozzi P., Gilli R., Mainieri V., Hasinger G., Kewley L., Bergeron J., Borgani S., Gilmozzi G., Grogin N., Koekemoer A., Schreier E., Zheng W., Norman C. 2002
The Chandra Deep Field South: the 1 Msec Catalog, ApJS, 139, 369

34. Stern D., Tozzi P., Stanford S.A, **Rosati P.**, Holden B.P., Eisenhardt P. *et al.* 2002
SPICES II. Optical and Near-Infrared Identifications of Faint X-ray Sources from Deep Chandra Observations of the Lynx field, AJ, 123, 2223

33. Stern D., Moran E.C., Coil A., Connoly A., Davis M., Dawson S., Dey A., Eisenhardt P., Elston R., Graham J.R., Harrison F., Helfand D., Holden B., Mao P., **Rosati P.**, Spinrad, H., Stanford S.A, Tozzi P., Wu K.L 2002
Chandra Detection of a Type II Quasar at $z = 3.288$, ApJ, 568, 71

32. Donahue M., Scharf C., Mack J., Lee P., Postman M., **Rosati P.**, Dickinson M., Voit G.M., and Stocke J.T. 2002
"Distant Cluster Hunting II: A Comparison of X-Ray and Optical Cluster Detection Techniques and Catalogs from the ROSAT Optical X-Ray Survey", ApJ, 569, 689

31. Hashimoto Y., Hasinger G., Arnaud M., **Rosati P**., Miyaji T. 2002
XMM-Newton Observation of a Distant X-ray Selected Cluster of Galaxies at $z = 1.26$ *with Possible Cluster Intereaction*, A&A, 381, 841

30. Norman C., Hasinger G., Giacconi R., Gilli, R., Gilmozzi R., Nonino M., **Rosati P.**, *et al.* 2002
A Classic Type II QSO, ApJ, 571, 218

29. **Rosati P.**, Tozzi P., Giacconi R., Gilli R., Hasinger G., Kewley L., Mainieri V., Nonino M., Norman C., Szokoly G., Wang J.X., Zirm A., Bergeron J., Borgani S., Gilmozzi G., Grogin N., Koekemoer A., Schreier E., Zheng W. 2002
The Chandra Deep Field South: the 1 Million Second Exposure, ApJ, 566, 667

28. Koekemoer A.M, Grogin N.A., Schreier E.J., Giacconi R., Gilli R., Kewley K., Norman N., Zirm A., Bergeron J., **Rosati P.**, Hasinger G., Tozzi P., Marconi A. 2002
HST Imaging in the Chandra Deep Field South: II. WFPC2 Observations of an X-Ray Flux-Limited Sample from the 1 Msec Chandra Catalog, ApJ, 567, 657

27. Stanford S.A., Holden B., **Rosati P.**, Eisenhardt P.R., Stern D., Squires G., Spinrad H. 2002
An X-ray Selected Galaxy Cluster at $z = 1.11$ *in the Rosat Deep Cluster Survey*, AJ, 123, 619

26. Borgani S., **Rosati P.**, Tozzi P., Stanford S.A, Eisenhardt P., Lidman C., Holden B., Della Ceca R., Norman C., Squires G. 2001
Measuring Ω_m *with the ROSAT Deep Cluster Survey*, ApJ, 561, 13

25. Schreirer E.J, Koekemor A.M, Grogin N.A., Giacconi R., Gilli R., Kewley L., Norman C., Hasinger G. **Rosati P.**, Marconi A., Salvati M., Tozzi P. 2001
HST Imaging in the Chandra Deep Field South: I. Multiple AGN Populations, ApJ, 560, 127

24. Holden B.P., Stanford S.A, **Rosati P.**, Squires G., Tozzi P., Fosbury R.A.E., Papovich C., Eisenhardt P., Elston R., Spinrad H. 2001
RX J0848+4456: Disentangling a Moderate Redshift Cluster, AJ, 122, 629

23. Tozzi P., **Rosati P.**, Nonino M., Bergeron J. *et al.* 2001
New Results from the X-ray and Optical Survey of the Chandra Deep Field South: The 300ks Exposure, ApJ, 562, 42

22. Stanford, S.A., Holden B., **Rosati P.**, Tozzi P., Borgani S., Eisenhardt P.R., Spinrad H. 2001
The Intracluster Medium in $z > 1$ *Galaxy Clusters*, ApJ, 552, 504

21. Donahue M., Mack J., Scharf C., Lee P., Postman M., **Rosati P.**, Dickinson M., Voit M.G., Stocke J.T. 2001
Distant Cluster Hunting: A Comparison Between the Optical and X-Ray Luminosity Functions from an Optical/X-Ray Joint Survey, ApJ, 552, L93

20. Giacconi R., **Rosati P.**, Tozzi P., Nonino M., Hasinger G., Norman C., Bergeron J., Borgani S., Gilli R., Gilmozzi R., Zheng W. 2001
First Results from the X-Ray and Optical Survey of the Chandra Deep Field South, ApJ, 551, 624
19. Lombardi M., **Rosati P.**, Nonino M., Girardi M., Borgani S., Squires G. 2000
Weak lensing mass reconstruction of MS1008.1-1224 with the VLT, A&A, 363, 401
18. Böhringer H. Voges W., Huchra J.P., McLean B., Giacconi R., **Rosati P.**, Burg R., Mader J., Schuecker P., Simi D., Komossa S., Reiprich T.H., Retzlaff J., Trumper J. 2000
The Northern ROSAT All-Sky (NORAS) Galaxy Cluster Survey. I. X-Ray Properties of Clusters Detected as Extended X-Ray Sources, ApJS, 129, 435
17. Scharf C., Donahue M., Voit G.M, **Rosati P.**, Postman M. 2000
Evidence for X-Ray Emission from a Large-Scale Filament of Galaxies?, ApJ, 528, L73
16. Della Ceca R., Maccacaro, T., **Rosati P.**, Braito, V. 2000
A hard medium survey with ASCA. III. a Type 2 AGN revealed from X-ray spectroscopy, A&A, 355, 121
15. Moscardini L., Matarrese S., Lucchin F., **Rosati P.** 1999
Predicting the clustering of X-ray selected galaxy clusters in flux-limited surveys, *MNRAS*, 316, 283
14. Della Ceca R., Scaramella R., Gioia I.M., **Rosati P.**, Fiore, F., Squires G. 1999
BeppoSAX observations of two high redshift clusters of galaxies: RXJ 0152.7-1357 and MS2053.7-0449, A&A, 353, 498
13. **Rosati P.**, Stanford S.A, Eisenhardt P.R, Elston R., Spinrad H., Dey A. & Stern D. 1999
An X-ray Selected Galaxy Cluster at $z = 1.26$, AJ, 118, 76
12. Benitez N., Broadhurst T., **Rosati P.**, Courbin F, Squires G., Lidman C., Magain, P. 1999
Deep Imaging of AXJ2019+112: The Luminosity of a 'Dark Cluster', ApJ, 527, 31
11. Benitez N., Broadhurst T., Bowens R., Silk J., **Rosati P.** 1999
Detection of Evolved High-Redshift Galaxies in Deep NICMOS/VLT Images, ApJ, 515, L65
10. Borgani S., **Rosati P.**, Tozzi P., Norman C. 1999
Cosmological Constraints from the ROSAT Deep Cluster Survey, ApJ, 517, 40
9. Fontana, D'Odorico S., Fosbury R., Giallongo, E., Hook, R., Poli F., Renzini A., **Rosati P.**, Viezzer, R. 1999
The VLT observations of the HDF-S NICMOS Field: photometric catalog and high redshift galaxy candidates, A&A, 343, L19
8. Stiavelli M., Treu T., Carollo C.M, **Rosati P.**, Viezzer R., Casertano S., Ferguson H.C. , Fruchter A.S., Madau, P., Martin C., Teplitz H. 1999
VLT and HST observations of a candidate high redshift elliptical galaxy in the Hubble Deep Field South, A&A, 343, L25
7. Lazzati D., Campana S., **Rosati P.**, Panzera, M.R., Tagliaferri, G. 1999
The Brera Multi-scale ROSAT HRI Wavelet (BMW) source catalog I: the algorithm, ApJ, 524, 414
6. da Costa L., Scodeggio M., Olsen L.F., Nonino M., Rengelink R., Bender R., Franx M., Jorgensen H.E., Renzini A., **Rosati P.** 1999
VLT and NTT Observations of Two EIS Cluster Candidates, A&A, 343, L29
5. **Rosati P.**, Della Ceca R., Norman C., Giacconi R. 1998
'The ROSAT Deep Cluster Survey: The X-ray Luminosity Function out to $z = 0.8$*'*, ApJ, 492, L21
4. Lazzati D., Campana S., **Rosati P.**, Chincarini G. 1998
Search and analysis of small scale structures in two X-ray clusters of galaxies, A&A, 331, 41
3. **Rosati, P.**, 1998
'Results from the ROSAT Deep Cluster Survey', *Astron. Nachr.* 319, 79 (1998) (in Proceedings of *"X-ray Surveys"*, Potsdam, Jun 1997)
2. **Rosati P.**, Della Ceca R., Burg R., Norman C., Giacconi R. 1995
A first determination of the surface density of galaxy clusters at very low X–ray fluxes, ApJ, 445, L11

1. Ricci D. and **Rosati P.**, 1990
Helioseismology: observational methods and requirements *Il Nuovo Cimento*, 105 B, p.1009-1023

Selection of Conference Proceedings/Astronomical Newsletters & Other Publications

(AAS Abstracts and other communications not included)

94. L. Ferro et al. (13 coauthors including **P. Rosati**) 2023
Imaging performance above 150 keV of the wide field monitor on board the ASTENA concept mission, 12576, id. 1257603 8 pp.

93. *THESEUS assessment study report (Yellow Book)*, ESA/SCI(2021)2 (Feb 2021), **P. Rosati** coauthor as part of the Assessment Study Report Editorial Board
(`https://sci.esa.int/documents/34375/36249/Theseus_YB_final.pdf`)

92. C. Labanti et al. (61 coauthors including **P. Rosati**) 2020
The X/Gamma-ray Imaging Spectrometer (XGIS) on-board THESEUS: design, main characteristics, and concept of operation, SPIE, 11444, 114442K 19 pp.

91. F. Frontera et al. (27 coauthors including **P. Rosati**) 2019
ASTENA, a new mission concept for an Advanced Surveyor of Transient Events and Nuclear Astrophysics, MmSAIt, 90, 247

90. Virgilli, E.; Frontera, F.; **Rosati, P.**; Liccardo, V.; Squerzanti, et al. 2015
Hard X-ray broad band Laue lenses (80−600 keV): building methods and performances, SPIE, 9603, id.960308, 8 pp. (arXiv:1509.03416)

89. A. Mercurio et al. 2015 (13 coauthors including **P. Rosati**)
Luminosity functions in the CLASH-VLT cluster MACS J1206.2-0847: the importance of tidal interactions, Procs of *"The Universe of Digital Sky Surveys"*, Naples (Italy),25-28 November 2014 (arXiv:1510.08097)

88. R. Haynes et al. (70 coauthors including **P. Rosati**) 2014
The 4MOST instrument concept overview, SPIE, 9147, id.91476I 12 pp.

87. **P. Rosati** et al. 2014
CLASH-VLT: A VIMOS Large Programme to Map the Dark Matter Mass Distribution in Galaxy Clusters and Probe Distant Lensed Galaxies, The ESO Messenger, 158, p.48

86. F. Frontera et al. (27 coauthors including **P. Rosati**) 2013
Scientific prospects in soft gamma-ray astronomy enabled by the LAUE project, SPIE, 8861, id.886106 17 pp. (arXiv:1310.0641)

85. **P. Rosati**, S. Borgani, R. Gilli, M. Paolillo, P. Tozzi et al. 2011
Wide Field X-ray Telescope: Mission Overview, in *Memorie della S.A.It, Supplements v.17*, proceedings of the International Conference "WFXT", Bologna, Nov 2009

84. S. Borgani, **P. Rosati**, B. Sartoris, P. Tozzi, R. Giacconi and the WFXT Team 2011
Astrophysics and cosmology with galaxy clusters: the WFXT perspective, in *Memorie della S.A.It, Supplements v.17*, proceedings of the International Conference "WFXT", Bologna, Nov 2009

83. R. Gilli, P. Tozzi, **P. Rosati**, M. Paolillo, S. Borgani et al. 2011
Demography of obscured and unobscured AGN: prospects for a Wide Field X-ray Telescope, in *Memorie della S.A.It, Supplements v.17*, proceedings of the International Conference "WFXT", Bologna, Nov 2009

82. P. Tozzi, J. Santos, H. Yu, A. Bignamini, **P. Rosati**, S. Borgani, S. Campana, P. Conconi, R. Gilli, M. Paolillo, A. Ptak and the WFXT Team 2011
Simulating the WFXT sky, in *Memorie della S.A.It, Supplements v.17*, proceedings of the International Conference "WFXT", Bologna, Nov 2009

81. J.S. Santos, P. Tozzi and **P. Rosati** 2010
Are there cool-core clusters at high-redshift? Chandra results and prospects with WFXT, in *Memorie della S.A.It, Supplements v.17*, proceedings of the International Conference "WFXT", Bologna, Nov 2009

80. J.W. den Herder et al.(149 coauthors including **P. Rosati**) 2011
"ORIGIN: Metal Creation and Evolution from the Cosmic Dawn", Experimental Astronomy in press, arXiv:1104:2048

79. **P. Rosati** and the ESO GOODS Team 2010
"ESO-GOODS: Closing the Book, Opening New Chapters", The ESO Messenger, 140, p.50

78. S. Murray, R. Giacconi, A. Ptak, **P. Rosati**, M. Weisskopf et al. 2010
The Wide Field X-ray Telescope Mission – A Digital Sky Survey in X-rays, AIP Conf. Proc., 1248, 549 (proceedings of the International Conference "X-ray Astronomy 2009", Bologna, Sept 2009)

77. Laureijs, R.and the Euclid Science Study Team (including **P. Rosati**) 2009
Euclid: Mapping the Geometry of the Dark Universe, ESA/SRE(2009)2, arXiv:0912:0914

76. **Rosati, P.**, Kuemmel, M.; Walsh, J. et al. 2009, *Slitless spectroscopic simulation for Euclid with aXeSIM*, ST-ECF Newsletter, 46, 12

75. Kuemmel, M.; **Rosati, P.**; Kuntschner, H. et al. 2009, *ST-ECF ACS/WFC Grism Sample Release*, ST-ECF Newsletter, 46, 6

74. Murray, S. et al. 2009 (22 co-authors including **P.Rosati**)
The growth and evolution of super massive black holes, Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no. 217

73. Giacconi, R.; Borgani, S.; **Rosati, P.** et al. 2009
Galaxy clusters and the cosmic cycle of baryons across cosmic times, Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no. 90

72. Vikhlinin, A. et al. 2009 (21 co-authors including **P.Rosati**)
X-ray Cluster Cosmology, Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no. 305

71. Ptak, A. et al. 2009 (28 co-authors including **P.Rosati**)
The Very Local Universe in X-rays, Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no. 240

70. Casertano, S. et al. 2009 (28 co-authors including **P.Rosati**)
Advanced Data Products for the Next Decade, Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no. 6

69. Strazzullo, V.; **Rosati, P.**; Lidman, C.; Mullis, C.; Demarco, R.; Gobat, R.; Nonino, M. 2009
Cluster galaxies at redshift 1.4, "Probing Stellar Populations Out to the Distant Universe": CEFALU 2008, Proceedings of the International Conference. AIP Conference Proceedings, 1111, 11.

68. Fassbender, R.; Böhringer, H.; Santos, J.; Lamer, G.; Mullis, C.; Schuecker, P.; Schwope, A.; **Rosati, P.** 2008
"*The XMM-Newton Distant Cluster Project*", in Proceedings of "*Relativistic Astrophysics Legacy and Cosmology - Einstein's*", ESO Astrophysics Symposia, Springer-Verlag, p. 307

67. Arnaboldi, M.; Neeser, M. J.; Parker, L. C.; **Rosati, P.**; Lombardi, M.; Dietrich, J. P.; Hummel, W. 2007
"*ESO Public Surveys with the VST and VISTA*", The ESO Messenger, 127, p.28

66. Padovani, P.; Mainieri, V.; Tozzi, P.; Kellermann, K. I.; Fomalont, E. B.; Miller, N.; **Rosati, P.**; Shaver, P. 2007
"*The micro-Jy Radio Source Population: the VLA-CDFS View*", in Proceedings of "*At the Edge of the Universe*", ASP Conference Series, Vol. 380, p.205

65. Mainieri, V.; Tozzi, P.; Gilli, R.; **Rosati, P.**; Chary, R.-R.; Dickinson, M. 2007
"*Multi-wavelength Study of Obscured AGN in the Chandra Deep Field South*", in Proceedings of"*At the Edge of the Universe*", ASP Conference Series, Vol. 380, p.151

64. Vanzella, E.; Cristiani, S.; Dickinson, M.; Giavalisco, M.; Lee, K.; Nonino, M.; **Rosati, P**. 2007 "*Lyman Break Galaxies in the VLT/FORS2 Spectroscopic Campaign in the GOODS-S Field*", in Proceedings 'of '*At the Edge of the Universe*", ASP Conference Series, Vol. 380, p.45

63. Balestra, I.; Tozzi, P.; Ettori, S.; **Rosati, P.**; Borgani, S.; Mainieri, V.; Norman, C. 2007. *"Evolution in the Iron Abundance of the ICM"*, in *"Progress of Theoretical Physics Supplement"*, No. 169, pp. 49-52

62. Balestra, I.; Tozzi, P.; Ettori, S.; **Rosati, P.**; Borgani, S.; Mainieri, V.; Norman, C. 2007 *"Tracing the Evolution in the Iron Content of the ICM"*, In Proceedings *"Heating versus Cooling in Galaxies and Clusters of Galaxies"*, ESO Astrophysics Symposia, Ed. Springer-Verlag, 2007, p. 297

61. Fassbender, R.; Böhringer, H.; Santos, J.; Schuecker, P.; Lamer, G.; Schwope, A.; Kohnert, J.; **Rosati**, P.; Mullis, C.; Quintana, H. 2007
"*The XDCP Prospects of Finding Cooling Core Clusters at Large Lookback Times*", in Proceedings of "*Heating versus Cooling in Galaxies and Clusters of Galaxies*", ESO Astrophysics Symposia, Ed. Springer-Verlag, 2007, p. 54

60. Delmotte, N.; Dolensky, M.; Micol, A.; Padovani, P.; Rino, B.; **Rosati, P.** et al. 2006
The 2006 ESO Science Archive Survey, The ESO Messenger, 125, 41

59. Kurk, J.D (14 authors including **Rosati** 2006
"*GMASS, Unveiling Distant Massive Galaxies with Spitzer*", in Proceedings of "*The Spitzer Science Center 2005 Conference: Infrared Diagnostics of Galaxy Evolution*",'Pasadena, 11/2005, astro-ph/0604132

58. R. Demarco, J. P. Blakeslee, H. C. Ford, N. L. Homeier, S. Mei, A. W. Zirm, **P. Rosati**, A. Rettura, C. Lidman, R. A. Overzier, G. K. Miley 2006 *"Cluster Evolution since $z \sim 1$"*, in Proceedings of *"The Fabulous Destiny of Galaxies: Bridging Past and Present"*, Marseille, France, Eds. V.LeBrun et al., astro-ph/0509575

57. van der Wel, A.; Franx, M.; van Dokkum, P.G.; Rix, H-W.; Illingworth, G.D.; Huang, J.; Holden, B.; **Rosati, P.** et al. 2006
"Masses and Mass-to-Light Ratios of Early-Type Galaxies at High Redshift ? The Impact of Ultradeep FORS2 Spectroscopy", The ESO Messenger, 123, 45

56. Böhringer, H.; Mullis, C.; **Rosati**; Lamer, G.; Fassbender, R.; Schwope, A.; Schuecker, P. 2006
"Galaxy Cluster Archaeology", The ESO Messenger, 120, 33

55. Vanzella, E.; Cristiani, S.; Dickinson, M.; Kuntschner, H.; Rettura, A.; Moustakas, L.; Nonino, M.; Popesso, P.; **Rosati, P.** et al. 2005
"GOODS' Look at Galaxies in the Young Universe", The ESO Messenger, 122, 25

54. Haiman, Z. et al. (37 authors including **P.Rosati** 2005
"An X-ray Galaxy Cluster Survey for Investigations of Dark Energy", white paper submitted to *Dark Energy Task Force*, astro-ph/0507013

53. Blakeslee, J. P.; Postman, M.; **Rosati, P.**; Ford, H.; Illingworth, G.; Franx, M.; Gronwall, C.; Holden, B. 2005
"ACS observations of three rich galaxy clusters at high redshift" in '*Highlights of Astronomy*, Vol. 13, XXVth General Assembly of the IAU - 2003 [Sydney, Australia], p.328. Ed. O. Engvold,

52. Homeier, N. L.; Demarco, R.; **Rosati, P.**; Postman, M.; Blakeslee et al. 2005
"Star formation in intermediate-redshift cluster galaxies", in *"Starbursts: From 30 Doradus to Lyman Break Galaxies"*, Cambridge, UK, 9/2004. Eds. R. de Grijs and R.M. Gonalez Delgado. Astrophysics & Space Science Library, Vol. 329. p.P24

51. Nipoti, C.; Stiavelli, M.; Ciotti, L.; Treu, T.; **Rosati, P.** 2005
"Brightest Cluster Galaxy Formation in the Cluster C0037-2522: Flattening of the Dark Matter Cusp", in Proceedings of the ESO Workshop "*Multiwavelength mapping of galaxy formation and evolution*", Venice, Italy, 10/2003. Eds. A. Renzini and R. Bender, p.432

50. Wiklind, T. et al. (9 authors including **Rosati, P.** 2005
"The CDF-S Viewed with SIMBA", in Proceedings of the ESO Workshop "*Multiwavelength mapping of galaxy formation and evolution*", Venice, Italy, 10/2003. Eds. A. Renzini and R. Bender, p.106

49. Koekemoer, A. M., et al. (15 authors including **Rosati, P.** 2005
"Probing the High Redshift Universe with Extreme X-Ray / Optical Sources (EXOs)", in Proceedings of the ESO Workshop "*Multiwavelength mapping of galaxy formation and evolution*", Venice, Italy, 10/2003. Eds. A. Renzini and R. Bender, p.88

48. H.Ford, M.Postman, J.P.Blakeslee, R.Demarco, M.J.Jee, **P.Rosati**, B.P.Holden, N.Homeier, G.Illingworth, R.L.White 2004
"*The Evolutionary Status of Clusters of Galaxies at* $z \sim 1$" in Proceedings of "*Penetrating Bars through Masks of Cosmic Dust*", eds. D.L. Block, K.C. Freeman, I. Puerari & R. Groes

47. Vanzella, E.; Cristiani, S.; Dickinson, M.; Kuntschner, H.; Moustakas, L. A.; Nonino, M.; **Rosati, P.** et al. 2004
"VLT/FORS2 Spectroscopy in the GOODS-South Field", The ESO Messenger, 118, 45

46. Padovani, P.; Allen, M. G.; **Rosati, P.**; Walton, N. A. 2004
"*First Science for the Virtual Observatory*", The ESO Messenger, 117, 58

45. Kuntschner, H.; Haase, J.; Rettura, A.; **Rosati, P.**; Vanzella, E. 2004
"*The ESO/GOODS Spectroscopy Archive*", Space Telescope European Coordinating Facility Newsletter, 37, 3

44. Ettori, S.; Tozzi, P.; **Rosati, P.** 2004
"*Comparing Local and High-z X-ray Galaxy Clusters: Properties of the Gas Mass Fraction, Metallicity, and Entropy*" in Proceedings of "*Clusters of Galaxies: Probes of Cosmological Structure and Galaxy Evolution*", eds. J.S. Mulchaey, A. Dressler, and A. Oemler, Carnegie Observatories Centennial Symposia

43. Demarco, R.; **Rosati, P.**; Lidman, C.; Nonino, M.; Mainieri, V.; Stanford, A.; Holden, B.; Eisenhardt, P. 2004
"*The Structure and Galaxy Population of the Most Distant Massive Clusters in the Southern Sky*" in Proceedings of "*Clusters of Galaxies: Probes of Cosmological Structure and Galaxy Evolution*", eds. J.S. Mulchaey, A. Dressler, and A. Oemler, Carnegie Observatories Centennial Symposia

42. Ford, H.C. et al. (36 authors including **P.Rosati**) 2003
"*Overview of the Advanced Camera for Surveys on-orbit performance*", in Proceedings of the SPIE "*Future EUV/UV and Visible Space Astrophysics Missions and Instrumentation*". Ed J.C.Blades, v.4854, p.81

41. Ettori, S.; Tozzi, P.; Borgani, S.; **Rosati, P.** 2003
"*Scaling laws in X-ray Galaxy Clusters at* $z > 0.4$", i *Memorie della Societa Astronomica Italiana Supplement*, 3, 180

40. Fosbury R., Humphrey A., Villar-martin M., **Rosati P.**, Squires G., Stanford S., Holden B. & Rauch M. 2002
"*Emission Line Measurements in the Magnified z=3.357 HII Region Behind a Cluster at z=0.54*" in Proceedings of the ESO/USM Workshop "*The Mass of Galaxies at Low and High Redshift*", eds. R. Bender & A. Renzini

39. Renzini A., Cesarsky C., Cristiani S., Da Costa L., Fosbury R., Hook R., Leibundgut B., **Rosati P.**, Vandame B. 2002
"*ESO for GOODS' sake* in Proceedings of the ESO/USM Workshop "*The Mass of Galaxies at Low and High Redshift*", eds. R. Bender & A. Renzini

38. **Rosati, P.** & Borgani, S. 2002
"*Cluster Evolution and Constraints on* Ω_m in Proceedings of "*A New Era in Cosmology*", ASP Conference Series, eds. T. Shanks & N. Metcalfe

37. Mainieri, V., Bergeron, J., **Rosati, P.**, Hasinger, G., & Lehmann, I. 2002
"*XMM-Newton Observations of the Lockman Hole: Spectral Analysis*" in Proceedings of "*New Visions of the X-ray Universe in the XMM-Newton and Chandra Era*", (astro-ph/0202211)

36. Holden, B., Stanford, S. A., **Rosati, P.**, Tozzi, P., Squires, G., Borgani, S., & Eisenhardt, P. 2002
"*X-ray Temperature and Morphology of z>0.8 Clusters of Galaxies*" in Proceedings of "*Tracing Cosmic Evolution with Galaxy Clusters*" ASP Conference Series, ed. S. Borgani, (astro-ph/0110032)

35. Hasinger G., Bergeron J., Mainieri V., **Rosati P.**, Szokoly G. & the CDFS Team 2002
"*Understanding the Sources of the X-Ray Background: VLT Identifications in the Chandra/XMM-Newton Deep Field South*", The ESO Messenger, 108, 11

34. Fosbury R., Bergeron J., Cesarsky C., Cristiani S., Hook R., Renzini A., **Rosati P.** 2001
'The Great Observatories Origins Deep Survey (GOODS)', The ESO Messenger, 105, 40

33. Stern D., Connolly A., Eisenhardt P., Elston R., Holden B., **Rosati P.**, Stanford S.A., Spinrad H., Tozzi P., Wu K. 2001
"*First Results from the SPICES Survey*" in Proceedings of the ESO/ECF/STScI Workshop "*Deep Fields*", eds. S. Cristiani, A. Renzini, R. E. Williams (eds.). Springer, p. 76

32. Kellermann K., Fomalont E., **Rosati P.** & Shaver P. 2001
"*Radio Observations of the Chandra Deep Field South*" in Proceedings of the ESO/ECF/STScI Workshop "*Deep Fields*", eds. S. Cristiani, A. Renzini, R. E. Williams (eds.). Springer, p. 139

31. **Rosati P.**, Stanford A., Lidman C., Mainieri V. & Eisenhardt P. 2001
'A Deep Look at Most Distant X-ray Clusters', in Proceedings of the ESO/ECF/STScI Workshop "*Deep Fields*", eds. S. Cristiani, A. Renzini, R. E. Williams (eds.). Springer, p. 179

30. Giacconi R., **Rosati P.**, Tozzi P., Nonino M., Hasinger G., Norman C., Bergeron J., Borgani S., Gilli R., Gilmozzi R., Zheng W. 2001
'The Chandra Deep Field South: Preliminary X-Ray and Optical Results', in Proceedings of the ESO/ECF/STScI Workshop "*Deep Fields*", eds. S. Cristiani, A. Renzini, R. E. Williams (eds.). Springer, p. 345

29. **Rosati P.** 2001
"*Highlights in Modern Observational Cosmology*", Lectures Series of the International Como School "Relativistic Cosmology: Theory and Observations" (35 pages), Institute of Physics Publishing (eds. Gorini et.)

28. Jones H., Renzini A., **Rosati P.**, Seifert W. 2001
"*Tunable filters and large telescopes*", The ESO Messenger, No.103, p.10

27. Moscardini, L., de Grandi, S., Luccin, F., Matarrese, S., **Rosati, P.** 2001
"*The two-point correlation function of X-ray selected clusters: theoretical predictions versus observational results*" in *Memorie della Societa Astronomica Italiana*, 72, 819

26. Giacconi, R., Bergeron, J., Borgani, S., Gilmozzi, R., Hasinger, G., Nonino, M., Norman, C., **Rosati, P.**, Tozzi, P., Zheng, W. 2001
"*A deep X-ray and optical survey of the Chandra Deep Field South*" in *Memorie della Societa Astronomica Italiana*, 72, 831

25. **Rosati P.** 2000
'The Most Distant RDCS Clusters', in Proceedings of *"X-ray Astronomy 2000"*, Mondello (Italy), held Aug 2000, ASP Series, Vol.241 (eds. Serio et al.)

24. **Rosati, P.**, Borgani, S., della Ceca, R., Stanford, A., Eisenhardt, P., Lidman, C. 2000
"*The Most Distant X-ray Clusters & the Evolution of their Space Density*" in Proceedings of "*Large Scale Structure in the X-ray Universe*", eds. Plionis, M. & Georgantopoulos, I., Atlantisciences, Paris, France, p.13

23. Borgani, S.,**Rosati, P.**, della Ceca, R., Tozzi P., Norman C. 2000
"*The ROSAT Deep Cluster Survey: Constraints on Cosmology*" in Proceedings of "*Large Scale Structure in the X-ray Universe*", eds. Plionis, M. & Georgantopoulos, I., Atlantisciences, Paris, France, p.167

22. Clampin M., Ford H.C., Bartko F., Bely P., Broadhurst T., Burrows C., Cheng E.S., Crocker J.H., Franx M., Feldman P.D., Golimowski D.A, Hartig G.F., Illingworth G., Kimble R.A., Lesser M.P., Miley G.H., Postman M., Rafal M.D., **Rosati P.**, Sparks W.B., Tsvetanov Z., White R.L., Sullivan P., Volmer P., LaJeunesse T. 2000
'*Advanced Camera for Surveys*', Proc. SPIE, 4013, 344

21. **Rosati P.**, Lidman C., della Ceca R., Borgani S., Lombardi M., Stanford S.A., Eisenhardt P.R., Squires G., Giacconi R., Norman C. 2000
'*The ROSAT deep cluster survey: probing the galaxy cluster population out to* $z = 1.3$', The ESO Messenger, No.99, p.26

20. **Rosati P.** 1999
'*X-ray Surveys of Distant Galaxy Clusters*', Invited Review presented at the 14th IAP Conference: "*Wide Field Surveys in Cosmology*", Paris, May 1998 (astro-ph/9810054)

19. Giacconi R., **Rosati P.**, Norman C., Burg R., Gilmozzi R., Tarenghi M., and Bergeron, J. 1999
The AXAF Deep Field", in Proceedings of "Highlights of X-ray Astronomy", Symposium in honour of J.Trümper's 65th birthday, Garching, Germany, June 1998

18. **Rosati P.** 1998
'*On the Evolution of X-ray Clusters*', in Proceedings of "*Looking Deep into the Southern Sky*", Sydney, Dec 1997

17. Squires G., **Rosati P.**, Silk J., Broadhurst T. 1998
'*A Weak Gravitational Lensing Cluster Survey*', in Proceedings of "*Looking Deep into the Southern Sky*", Sydney, Dec 1997

16. **Rosati P.**, 1998
'*The Evolution of the Cluster Abundance at* $z < 1$', in Proceedings of "*The Early Universe*", Rome, Sep 1997

15. **Rosati, P.**, 1998
'*The Abundance of X-ray Clusters out to* $z \simeq 0.8$', in Proceedings of "*Large Scale Structure: Tracks and Traces*", Potsdam, Sep 1997

14. Borgani, S., **Rosati, P.**, Tozzi, P., 1998
'*Cosmological Constraints from the ROSAT Deep Cluster Survey*', in Proceedings of "*Large Scale Structure: Tracks and Traces*", Potsdam, Sep 1997

13. **Rosati, P.**, 1998
'*Evolution of the Abundance of X-ray Clusters out to* $z \sim 1$', *Exploring the Universe, a Festschrift in Honour of Riccardo Giacconi*, Advanced Series in Astrophysics and Cosmology, vol.13 (eds, Gursky, Ruffini, Stella).

12. **Rosati, P.**, 1997
'*Finding Galaxy Clusters: the X-ray way*', in *NOAO Newsletter*, March 1997

11. **Rosati, P.**, Della Ceca, R. 1996
"*The ROSAT Deep Cluster Survey: A Progress Update*", in MPE Rep.263, Proceeedings of *Röntgenstrahlung from the Universe*, Würzburg (Germany), Sept 95.

10. **Rosati, P.**, 1995
"*A Serendipitous Deep Cluster Survey from ROSAT PSPC pointed observations*", proceeedings of *Observational Cosmology: from galaxies to galaxy systems*, Sesto (Bolzano), Italy, 1995, *Astrophys. Lett. and Comm.*, 36, 205

9. Burg R., McLean, B.J., Huchra, J.P., **Rosati, P.**, Böhringer, H., Giacconi, R., 1994,
"*Optical identification of X–ray selected galaxy cluster candidates*" in *Ringberg Workshop on Clusters of Galaxies*, ed. H.Böhringer & S.Schindler, MPE report 256

8. **Rosati, P.**, Burg, R., Giacconi, R., 1993
"*Detecting X–ray sources with the Wavelet Transform*", in *The Soft X–ray Cosmos*, *AIP Conference Proc.* 313, 260, eds. Schlegel & Petre

7. Cacciani A., **Rosati, P.**, Egidi, A., Ricci, D., Marquedant, R., Smith, E. 1991
"*Theoretical and experimental study of the Magneto–Optical–Filter*" *JPL – Report*, Jet Propulsion Laboratory (Pasadena, Ca), (Apr.1991)

6. Cacciani A., Paverani E., Ricci D., **Rosati P.**, Tomczyk S., 1990
"*An experiment to measure the solar $\ell = 1$ rotational frequency splitting* " *Lecture Notes in Physics*, 367, p.157, ed. Y.Osaki and H.Shibahashi

5. Cacciani A., Fabbri F., Ricci D., **Rosati P.**, 1990
"*Preparation of a second station for the measurements of solar oscillations of low degree ℓ*", *Il Nuovo Cimento*, 13 C, pp.163-168

4. Cacciani A., Ricci D., **Rosati P.**, Rhodes E., Smith E., Tomczyk S., Ulrich R., 1990
"*Solar magnetic fields measurements with Magneto-Optical Filter*", *Il Nuovo Cimento*, 13 C, pp.125-130

3. Cacciani A., Ricci D., **Rosati P.**, 1989
"*Use and performance of the Magneto-Optical Filter for low ℓ-mode measurements: thermal stability*" International Conference "*Inside the Sun* ", Versailles, France, (May 22-26, 1989), IAU Colloquium 121.

2. Cacciani A., Ricci D., **Rosati P.**, Rhodes E.J., Smith E., Tomczyk S., Ulrich R.K., 1988
"*Acquisition and reduction procedures for MOF doppler-magnetograms*" Proc. Symp. "*Seismology of the Sun and Sun-like Stars* ", Tenerife, Spain (Sept. 26-30, 1988), ESA SP-286 (Dec. 1988), p.185.

1. Cacciani A., Marquedant R., Smith E., Ricci D., **Rosati P.**, 1988
"*Integrated solar disk oscillation measurements using the Magneto-Optical Filter: Test with a two station network* ", Proc. Symp. "*Seismology of the Sun and Sun-like Stars* ", Tenerife, Spain (26-30 Sept 1988), ESA SP-286 (Dec. 1988), p.181.