

Bibliography from ADS file: mazzotta.bib  
September 14, 2022

- Barret, D., Albouys, V., den Herder, J.-W., et al., “The Athena X-ray Integral Field Unit: a consolidated design for the system requirement review of the preliminary definition phase”, 2022arXiv220814562B ADS
- Jimenez-Gallardo, A., Torresi, E., Forman, W., et al., “Feedback on radio galaxies: the cases of 3CR 318.1 and 3CR 196.1”, 2022cosp...44.2328J ADS
- Oppizzi, F., De Luca, F., Bourdin, H., Mazzotta, P., & CHEX-MATE Collaboration, “Pressure profiles of distant Galaxy clusters with Planck-SPT data”, 2022EPJWC.257000350 ADS
- Luzzi, G., D’Angelo, E., Bourdin, H., et al., “Cosmology with the SZ spectrum: Measuring the Universe’s temperature with galaxy clusters”, 2022EPJWC.25700028L ADS
- Giacintucci, S., Venturi, T., Markevitch, M., et al., “A Candle in the Wind: A Radio Filament in the Core of the A3562 Galaxy Cluster”, 2022ApJ...934...49G ADS
- Bonafede, A., Brunetti, G., Rudnick, L., et al., “The Coma Cluster at LOFAR Frequencies. II. The Halo, Relic, and a New Accretion Relic”, 2022ApJ...933...218B ADS
- Campitiello, M. G., Ettori, S., Lovisari, L., et al., “CHEX-MATE: Morphological analysis of the sample”, 2022arXiv220511326C ADS
- Venturi, T., Giacintucci, S., Merluzzi, P., et al., “Radio footprints of a minor merger in the Shapley Supercluster: From supercluster down to galactic scales”, 2022A&A...660A...81V ADS
- Biava, N., de Gasperin, F., Bonafede, A., et al., “The ultra-steep diffuse radio emission observed in the cool-core cluster RX J1720.1+2638 with LOFAR at 54 MHz”, 2021MNRAS.508.3995B ADS
- Andrade-Santos, F., Pratt, G. W., Melin, J.-B., et al., “Chandra Observations of the Planck Early Sunyaev-Zeldovich Sample: A Reexamination of Masses and Mass Proxies”, 2021ApJ...914...58A ADS
- CHEX-MATE Collaboration, Arnaud, M., Ettori, S., et al., “The Cluster HERitage project with XMM-Newton: Mass Assembly and Thermodynamics at the Endpoint of structure formation. I. Programme overview”, 2021A&A...650A.104C ADS
- Jimenez-Gallardo, A., Massaro, F., Balmaverde, B., et al., “Raining in MKW 3 s: A Chandra-MUSE Analysis of X-Ray Cold Filaments around 3CR 318.1”, 2021ApJ...912L...25J ADS
- Travascio, A., Bongiorno, A., Tozzi, P., et al., “Multiple AGN activity during the BC G assembly of XDPCJ0044.0-2033 at  $z \sim 1.6$ ”, 2020MNRAS.498.2719T ADS
- Bourdin, H., Baldi, A. S., Kozmany, A., & Mazzotta, P., “Extracting the thermal SZ signal from heterogeneous millimeter data sets”, 2020EPJWC.22800007B ADS
- Baldi, A. S., Bourdin, H., & Mazzotta, P., “Spectral imaging of X-COP galaxy clusters with the Sunyaev-Zel’dovich effect”, 2020EPJWC.22800004B ADS
- Barrena, R., Ferragamo, A., Rubiño-Martín, J. A., et al., “Optical validation and characterisation of Planck PSZ1 sources at the Canary Islands observatories. II. Second year of ITP13 observations”, 2020A&A...638A.146B ADS
- Baldi, A. S., Bourdin, H., Mazzotta, P., et al., “Spectral imaging of the thermal Sunyaev-Zel’dovich effect in X-COP galaxy clusters: method and validation”, 2019A&A...630A.121B ADS
- Farahi, A., Mulroy, S. L., Evrard, A. E., et al., “Detection of anti-correlation of hot and cold baryons in galaxy clusters”, 2019NatCo...10.2504F ADS
- Mulroy, S. L., Farahi, A., Evrard, A. E., et al., “LoCuSS: scaling relations between galaxy cluster mass, gas, and stellar content”, 2019MNRAS.484...60M ADS
- Ghirardini, V., Eckert, D., Ettori, S., et al., “Universal thermodynamic properties of the intracluster medium over two decades in radius in the X-COP sample”, 2019A&A...621A...41G ADS
- Kozmany, A., Bourdin, H., Mazzotta, P., Rasia, E., & Sereno, M., “Deriving the Hubble constant using Planck and XMM-Newton observations of galaxy clusters”, 2019A&A...621A...34K ADS
- Barrena, R., Streblyanska, A., Ferragamo, A., et al., “VizieR Online Data Catalog: Clusters candidates from PSZ1 catalogue (Barrena+, 2018)”, 2018yCat...36160042B ADS
- Barrena, R., Streblyanska, A., Ferragamo, A., et al., “Optical validation and characterisation of Planck PSZ1 sources at the Canary Islands observatories. I. First year of ITP13 observations”, 2018A&A...616A...42B ADS
- Barret, D., Lam Trong, T., den Herder, J.-W., et al., “The ATHENA X-ray Integral Field Unit (X-IFU)”, 2018SPIE10699E.1GB ADS
- Haines, C. P., Finoguenov, A., Smith, G. P., et al., “LoCuSS: The infall of X-ray groups on to massive clusters”, 2018MNRAS.477.4931H ADS
- Burigana, C., Carvalho, C. S., Trombetti, T., et al., “Exploring cosmic origins with CORE: Effects of observer peculiar motion”, 2018JCAP...04...021B ADS
- Melin, J. B., Bonaldi, A., Remazeilles, M., et al., “Exploring cosmic origins with CORE: Cluster science”, 2018JCAP...04...019M ADS
- Delabrouille, J., de Bernardis, P., Bouchet, F. R., et al., “Exploring cosmic origins with CORE: Survey requirements and mission design”, 2018JCAP...04...014D ADS
- Truong, N., Rasia, E., Mazzotta, P., et al., “Cosmological hydrodynamical simulations of galaxy clusters: X-ray scaling relations and their evolution”, 2018MNRAS.474.4089T ADS
- Andrade-Santos, F., Jones, C., Forman, W. R., et al., “VizieR Online Data Catalog: Cool-core clusters with Chandra obs. (Andrade-Santos+, 2017)”, 2018yCat...18430076A ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XV. A study of anomalous microwave emission in Galactic clouds (Corrigendum)”, 2018A&A...610C...1P ADS
- Bartalucci, I., Arnaud, M., Pratt, G. W., et al., “Recovering galaxy cluster gas density profiles with XMM-Newton and Chandra”, 2017A&A...608A...88B ADS
- Giocoli, C., Di Meo, S., Meneghetti, M., et al., “Fast weak-lensing simulations with halo model”, 2017MNRAS.470.3574G ADS
- Mazzotta, P., “Enlighten the structure of the cluster outskirts with SZ and X-ray observations”, 2017wprb.confE...5M ADS
- Andrade-Santos, F., Jones, C., Forman, W. R., et al., “The Fraction of Cool-core Clusters in X-Ray versus SZ Samples Using Chandra Observations”, 2017ApJ...843...76A ADS
- Bourdin, H., Mazzotta, P., Kozmany, A., Jones, C., & Vikhlinin, A., “Pressure Profiles of Distant Galaxy Clusters in the Planck Catalogue”, 2017ApJ...843...72B ADS
- Bartalucci, I., Arnaud, M., Pratt, G. W., et al., “Resolving galaxy cluster gas properties at  $z \sim 1$  with XMM-Newton and Chandra”, 2017A&A...598A...61B ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “VizieR Online Data Catalog: Planck Catalogue of Galactic cold clumps (PGCC) (Planck+, 2016)”, 2017yCat...35940028P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “VizieR Online Data Catalog: Planck Sunyaev-Zeldovich sources (PSZ2) (Planck+, 2016)”, 2017yCat...35940027P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XL. The Sunyaev-Zeldovich signal from the Virgo cluster”, 2016A&A...596A.101P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2015 results. XXVIII. The Planck Catalogue of Galactic cold clumps”, 2016A&A...594A...28P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2015 results. XXVII. The second Planck catalogue of Sunyaev-Zeldovich sources”, 2016A&A...594A...27P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2015 results. VI. LFI mapmaking”, 2016A&A...594A...6P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2015 results. IV. Low Frequency Instrument beams and window functions”, 2016A&A...594A...4P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2015 results. II. Low Frequency Instrument data processings”, 2016A&A...594A...2P ADS
- Planck Collaboration, Adam, R., Ade, P. A. R., et al., “Planck 2015 results. I. Overview of products and scientific results”, 2016A&A...594A...1P ADS
- Merluzzi, P., Busarello, G., Dopita, M. A., et al., “Shapley Supercluster Survey: ram-pressure stripping versus tidal interactions in the Shapley supercluster”, 2016MNRAS.460.3345M ADS
- Mazzotta, P., “The evolution of galaxy groups and clusters”, 2016cosp...41E1271M ADS
- Jones, C., Santos, F. A., Forman, W. R., et al., “Comparing Cool Cores in the Planck SZ Selected Samples of Clusters of Galaxies with Cool Cores in X-ray Selected Cluster Samples”, 2016AAS...22811004J ADS
- Formicola, I., Radovich, M., Meneghetti, M., et al., “Selecting background galaxies in weak-lensing analysis of galaxy clusters”, 2016MNRAS.458.2776F ADS
- Dahle, H., Aghanim, N., Guennou, L., et al., “Discovery of an exceptionally bright giant arc at  $z = 2.369$ , gravitationally lensed by the Planck cluster PSZ1 G311.65-18.48”, 2016A&A...590L...4D ADS
- Smith, G. P., Mazzotta, P., Okabe, N., et al., “LoCuSS: Testing hydrostatic equilibrium in galaxy clusters”, 2016MNRAS.456L...74S ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XXXIII. Signature of the magnetic field geometry of interstellar filaments in dust polarization maps”, 2016A&A...586A.136P ADS
- Planck Collaboration, Adam, R., Ade, P. A. R., et al., “Planck intermediate results. XXXII. The relative orientation between the magnetic field and structures traced by interstellar dust”, 2016A&A...586A.135P ADS

Planck Collaboration, Arnaud, M., Ashdown, M., et al., “Planck intermediate results. XXXI. Microwave survey of Galactic supernova remnants”, 2016A&A...586A.134P ADS

Planck Collaboration, Adam, R., Ade, P. A. R., et al., “Planck intermediate results. XXX. The angular power spectrum of polarized dust emission at intermediate and high Galactic latitudes”, 2016A&A...586A.133P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XXIX. All-sky dust modelling with Planck, IRAS, and WISE observations”, 2016A&A...586A.132P ADS

Bourdin, H., Mazzotta, P., & Rasia, E., “Spectral Imaging of Galaxy Clusters with Planck”, 2015ApJ...815...92B ADS

Sharon, K., Gladders, M. D., Marrone, D. P., et al., “A Multi-wavelength Mass Analysis of RCS2 J232727.6-020437, A  $\sim 3 \times 10^{15} M_{\odot}$  Galaxy Cluster at  $z = 0.7$ ”, 2015ApJ...814...21S ADS

Bogdán, Á., Forman, W., Volgelberger, M., et al., “Hot coronae around spiral galaxies: Probing the first principles of galaxy formation”, 2015xrvw.confE...5B ADS

Planck Collaboration, Fermi Collaboration, Ade, P. A. R., et al., “Planck intermediate results. XXVIII. Interstellar gas and dust in the Chamaeleon clouds as seen by Fermi LAT and Planck”, 2015A&A...582A..31P ADS

Planck Collaboration, Aghanim, N., Altieri, B., et al., “Planck intermediate results. XXVII. High-redshift infrared galaxy overdensity candidates and lensed sources discovered by Planck and confirmed by Herschel-SPIRE”, 2015A&A...582A..30P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XXVI. Optical identification and redshifts of Planck clusters with the RTT150 telescope”, 2015A&A...582A..29P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XXV. The Andromeda galaxy as seen by Planck”, 2015A&A...582A..28P ADS

Rasia, E., Troung, N., Borgani, S., et al., “Evolution of Entropy Profiles in Simulated Clusters”, 2015ehu.conf...18R ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXXII. The updated Planck catalogue of Sunyaev-Zeldovich sources”, 2015A&A...581A..14P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “VizieR Online Data Catalog: Updated Planck catalogue PSZI (Planck+, 2015)”, 2015yCat...35810014P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XXIV. Constraints on variations in fundamental constants”, 2015A&A...580A..22P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XXIII. Galactic plane emission components derived from Planck with ancillary data”, 2015A&A...580A..13P ADS

Radovich, M., Formicola, I., Meneghetti, M., et al., “A weak lensing analysis of the PLCK G100.2-30.4 cluster”, 2015A&A...579A...7R ADS

Planck Collaboration, Ade, P. A. R., Alves, M. I. R., et al., “Planck intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust in intensity and polarization”, 2015A&A...576A.107P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible”, 2015A&A...576A.106P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence”, 2015A&A...576A.105P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust”, 2015A&A...576A.104P ADS

Merluzzi, P., Busarello, G., Haines, C. P., et al., “Shapley Supercluster Survey: Galaxy evolution from filaments to cluster cores”, 2015MNRAS.446..803M ADS

Planck Collaboration, Arnaud, M., Atrio-Barandela, F., et al., “Planck intermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae”, 2015A&A...573A...6P ADS

Giacintucci, S., Markevitch, M., Brunetti, G., et al., “Mapping the Particle Acceleration in the Cool Core of the Galaxy Cluster RX J1720.1+2638”, 2014ApJ...795...73G ADS

Planck Collaboration, Ade, P. A. R., Arnaud, M., et al., “Planck 2013 results. XXXI. Consistency of the Planck data”, 2014A&A...571A..31P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXX. Cosmic infrared background measurements and implications for star formation”, 2014A&A...571A..30P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXIX. The Planck catalogue of Sunyaev-Zeldovich sources”, 2014A&A...571A..29P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXVIII. The Planck Catalogue of Compact Sources”, 2014A&A...571A..28P ADS

Planck Collaboration, Aghanim, N., Armitage-Caplan, C., et al., “Planck 2013 results. XXVII. Doppler boosting of the CMB: Eppur si muove”, 2014A&A...571A..27P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXVI. Background geometry and topology of the Universe”, 2014A&A...571A..26P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXV. Searches for cosmic strings and other topological defects”, 2014A&A...571A..25P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXIV. Constraints on primordial non-Gaussianity”, 2014A&A...571A..24P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXIII. Isotropy and statistics of the CMB”, 2014A&A...571A..23P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXII. Constraints on inflation”, 2014A&A...571A..22P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XXI. Power spectrum and high-order statistics of the Planck all-sky Compton parameter map”, 2014A&A...571A..21P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XX. Cosmology from Sunyaev-Zeldovich cluster counts”, 2014A&A...571A..20P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XIX. The integrated Sachs-Wolfe effect”, 2014A&A...571A..19P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XVIII. The gravitational lensing-infrared background correlation”, 2014A&A...571A..18P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XVII. Gravitational lensing by large-scale structure”, 2014A&A...571A..17P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XVI. Cosmological parameters”, 2014A&A...571A..16P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XV. CMB power spectra and likelihood”, 2014A&A...571A..15P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XIV. Zodiacal emission”, 2014A&A...571A..14P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XIII. Galactic CO emission”, 2014A&A...571A..13P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. XII. Diffuse component separation”, 2014A&A...571A..12P ADS

Planck Collaboration, Abergel, A., Ade, P. A. R., et al., “Planck 2013 results. XI. All-sky model of thermal dust emission”, 2014A&A...571A..11P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. X. HFI energetic particle effects: characterization, removal, and simulation”, 2014A&A...571A..10P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. IX. HFI spectral response”, 2014A&A...571A..9P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. VIII. HFI photometric calibration and mapping”, 2014A&A...571A..8P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. VII. HFI time response and beams”, 2014A&A...571A..7P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. VI. High Frequency Instrument data processing”, 2014A&A...571A..6P ADS

Planck Collaboration, Aghanim, N., Armitage-Caplan, C., et al., “Planck 2013 results. IV. Low Frequency Instrument beams and window functions”, 2014A&A...571A..4P ADS

Planck Collaboration, Aghanim, N., Armitage-Caplan, C., et al., “Planck 2013 results. III. LFI systematic uncertainties”, 2014A&A...571A..3P ADS

Planck Collaboration, Aghanim, N., Armitage-Caplan, C., et al., “Planck 2013 results. II. Low Frequency Instrument data processing”, 2014A&A...571A..2P ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck 2013 results. I. Overview of products and scientific results”, 2014A&A...571A..1P ADS

Martino, R., Mazzotta, P., Bourdin, H., et al., “LoCuSS: hydrostatic mass measurements of the high- $L_X$  cluster sample - cross-calibration of Chandra and XMM-Newton”, 2014MNRAS.443.2342M ADS

Rasia, E., Lau, E. T., Borgani, S., et al., “Temperature Structure of the Intra-cluster Medium from Smoothed-particle Hydrodynamics and Adaptive-mesh Refinement Simulations”, 2014ApJ...791...96R ADS

Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “VizieR Online Data Catalog: Anomalous microwave emission in Galactic clouds (Planck+, 2014)”, 2014yCat...35650103P ADS

Planck Collaboration, Abergel, A., Ade, P. A. R., et al., “Planck intermediate results. XVII. Emission of dust in the diffuse interstellar medium from the far-infrared to microwave frequencies”, 2014A&A...566A..55P ADS

- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XVI. Profile likelihoods for cosmological parameters”, 2014A&A...566A..54P ADS
- Bartalucci, I., Mazzotta, P., Bourdin, H., & Vikhlinin, A., “Chandra ACIS-I particle background: an analytical model”, 2014A&A...566A..25B ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XV. A study of anomalous microwave emission in Galactic clouds”, 2014A&A...565A.103P ADS
- Macario, G., Intema, H. T., Ferrari, C., et al., “Discovery of large-scale diffuse radio emission and of a new galaxy cluster in the surroundings of MACS J0520.7-1328”, 2014A&A...565A..13M ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane”, 2014A&A...564A..45P ADS
- Smith, G., Okabe, N., Scott, K., et al., “Recent Results from the Local Cluster Substructure Survey”, 2014egcc.confE...7S ADS
- Giacintucci, S., Markevitch, M., Venturi, T., et al., “New Detections of Radio Minihalos in Cool Cores of Galaxy Clusters”, 2014ApJ...781...9G ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XIII. Constraints on peculiar velocities”, 2014A&A...561A..97P ADS
- Rasia, E., Borgani, S., Ettori, S., Mazzotta, P., & Meneghetti, M., “On the Discrepancy between Theoretical and X-Ray Concentration-Mass Relations for Galaxy Clusters”, 2013ApJ...776...39R ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al.: 2013, Erratum: Planck intermediate results (Corrigendum). V. Pressure profiles of galaxy clusters from the Sunyaev-Zeldovich effect, Astronomy & Astrophysics, Volume 558, id.C2, 3 pp. 2013A&A...558C...2P ADS
- Brunetti, G., Rudnick, L., Cassano, R., et al., “Is the Sunyaev-Zeldovich effect responsible for the observed steepening in the spectrum of the Coma radio halo?”, 2013A&A...558A..52B ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XII: Diffuse Galactic components in the Gould Belt system”, 2013A&A...557A..53P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. XI. The gas content of dark matter halos: the Sunyaev-Zeldovich-stellar mass relation for locally brightest galaxies”, 2013A&A...557A..52P ADS
- Bogdán, Á., Forman, W. R., Vogelsberger, M., et al., “Hot X-Ray Coronae around Massive Spiral Galaxies: A Unique Probe of Structure Formation Models”, 2013ApJ...772...97B ADS
- Rasia, E., Borgani, S., Dolag, K., et al., “X-Ray Analysis of Simulated Clusters”, 2013tcec.confE...5R ADS
- Pointecouteau, E., Reiprich, T. H., Adami, C., et al., “The Hot and Energetic Universe: The evolution of galaxy groups and clusters”, 2013arXiv1306.2319P ADS
- Nandra, K., Barret, D., Barcons, X., et al., “The Hot and Energetic Universe: A White Paper presenting the science theme motivating the Athena+ mission”, 2013arXiv1306.2307N ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. X. Physics of the hot gas in the Coma cluster”, 2013A&A...554A.140P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. IX. Detection of the Galactic haze with Planck”, 2013A&A...554A.139P ADS
- Delabrouille, J., Betoule, M., Melin, J. B., et al., “The pre-launch Planck Sky Model: a model of sky emission at submillimetre to centimetre wavelengths”, 2013A&A...553A..96D ADS
- Mazzotta, P., “Planck Results on the Coma Cluster”, 2013snc1.confE..97M ADS
- Meneghetti, M., Rasia, E., Giocoli, C., et al., “Lensing Analysis of Simulated Galaxy Clusters”, 2013snc1.confE..51M ADS
- Giacintucci, S., Markevitch, M., Clarke, T., et al., “Observations of Radio Minihalos in Slushing Cool Cores”, 2013snc1.confE..38G ADS
- Rasia, E., Mazzotta, P., Borgani, S., Ettori, S., & Meneghetti, M., “X-Ray c-M Relation: Theory & Observations”, 2013snc1.confE..15R ADS
- Bourdin, H., Mazzotta, P., Markevitch, M., Giacintucci, S., & Brunetti, G., “Shock Heating of the Merging Galaxy Cluster A521”, 2013ApJ...764...82B ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. VIII. Filaments between interacting clusters”, 2013A&A...550A.134P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. VII. Statistical properties of infrared and radio extragalactic sources from the Planck Early Release Compact Source Catalogue at frequencies between 100 and 857 GHz”, 2013A&A...550A.133P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. VI. The dynamical structure of PLCKG214.6+37.0, a Planck discovered triple system of galaxy clusters”, 2013A&A...550A.132P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. V. Pressure profiles of galaxy clusters from the Sunyaev-Zeldovich effect”, 2013A&A...550A.131P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. IV. The XMM-Newton validation programme for new Planck galaxy clusters”, 2013A&A...550A.130P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck intermediate results. III. The relation between galaxy cluster mass and Sunyaev-Zeldovich signal”, 2013A&A...550A.129P ADS
- Planck Collaboration, AMI Collaboration, Ade, P. A. R., et al., “Planck intermediate results. II. Comparison of Sunyaev-Zeldovich measurements from Planck and from the Arcminute Microkelvin Imager for 11 galaxy clusters”, 2013A&A...550A.128P ADS
- Mazzotta, P., “Observational Evidences of a Clear Connection Between Radio Mini-Halos and Core Gas Slushing in Clusters of Galaxies”, 2013cfcg.confE...8M ADS
- Bogdan, A., Forman, W. R., Bourdin, H., et al., “Testing Galaxy Formation Models: Characterizing Extended Hot X-ray Coronae Around Massive Spiral Galaxies”, 2013AAS...22131306B ADS
- Melin, J. B., Aghanim, N., Bartelmann, M., et al., “A comparison of algorithms for the construction of SZ cluster catalogues”, 2012A&A...548A..51M ADS
- den Herder, J.-W., Piro, L., Ohashi, T., et al., “ORIGIN: metal creation and evolution from the cosmic dawn”, 2012ExA...34..519D ADS
- Rasia, E., Meneghetti, M., Mazzotta, P., Ettori, S., & Borgani, S., “X-ray concentration-mass relation: theory and observations”, 2012hcxa.confE..53R ADS
- Ashdown, M., Aumont, J., Baccigalupi, C., et al.: 2012, PSM: Planck Sky Model, Astrophysics Source Code Library, record ascl:1208.005 2012ascl.soft08005A ADS
- Marrone, D. P., Smith, G. P., Okabe, N., et al., “LoCuSS: The Sunyaev-Zeldovich Effect and Weak-lensing Mass Scaling Relation”, 2012ApJ...754..119M ADS
- Planck Collaboration, Aghanim, N., Arnaud, M., et al., “Planck intermediate results. I. Further validation of new Planck clusters with XMM-Newton”, 2012A&A...543A.102P ADS
- Rasia, E., Meneghetti, M., Martino, R., et al., “Lensing and x-ray mass estimates of clusters (simulations)”, 2012NJPh...14e5018R ADS
- Mazzotta, P. & Planck Collaboration, “Planck Intermediate Paper: Physics Of The Hot Gas In The Coma Cluster”, 2012AAS...22050705M ADS
- Desert, F. X., Mazzotta, P., & NIKA, C., “NIKA: A High-Resolution Millimetre Camera for the IRAM 30m Telescope”, 2012AAS...22013204D ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “VizieR Online Data Catalog: Planck early results. VIII. ESZ sample. (Planck+, 2011)”, 2012yCat...35360008P ADS
- Mazzotta, P.: 2012, Unveiling the Most Massive Clusters at  $z > 0.5$  with Planck and XMM-Newton, NASA Proposal id.12-ADAP12-131 2012adap.prop..131M ADS
- Planck Collaboration, Aghanim, N., Arnaud, M., et al., “Planck early results. XXVI. Detection with Planck and confirmation by XMM-Newton of PLCK G266.6-27.3, an exceptionally X-ray luminous and massive galaxy cluster at  $z \sim 1$ ”, 2011A&A...536A..26P ADS
- Planck Collaboration, Abergel, A., Ade, P. A. R., et al., “Planck early results. XXV. Thermal dust in nearby molecular clouds”, 2011A&A...536A..25P ADS
- Planck Collaboration, Abergel, A., Ade, P. A. R., et al., “Planck early results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo”, 2011A&A...536A..24P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XXIII. The first all-sky survey of Galactic cold clumps”, 2011A&A...536A..23P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XXII. The submillimetre properties of a sample of Galactic cold clumps”, 2011A&A...536A..22P ADS
- Planck Collaboration, Abergel, A., Ade, P. A. R., et al., “Planck early results. XXI. Properties of the interstellar medium in the Galactic plane”, 2011A&A...536A..21P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XX. New light on anomalous microwave emission from spinning dust grains”, 2011A&A...536A..20P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XIX. All-sky temperature and dust optical depth from Planck and IRAS. Constraints on the “dark gas” in our Galaxy”, 2011A&A...536A..19P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XVIII. The power spectrum of cosmic infrared background anisotropies”, 2011A&A...536A..18P ADS

- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds”, 2011A&A...536A..17P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XVI. The Planck view of nearby galaxies”, 2011A&A...536A..16P ADS
- Planck Collaboration, Aarokoski, J., Ade, P. A. R., et al., “Planck early results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources”, 2011A&A...536A..15P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XIV. ERCSC validation and extreme radio sources”, 2011A&A...536A..14P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XIII. Statistical properties of extragalactic radio sources in the Planck Early Release Compact Source Catalogue”, 2011A&A...536A..13P ADS
- Planck Collaboration, Aghanim, N., Arnaud, M., et al., “Planck early results. XII. Cluster Sunyaev-Zeldovich optical scaling relations”, 2011A&A...536A..12P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. XI. Calibration of the local galaxy cluster Sunyaev-Zeldovich scaling relations”, 2011A&A...536A..11P ADS
- Planck Collaboration, Aghanim, N., Arnaud, M., et al., “Planck early results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters”, 2011A&A...536A..10P ADS
- Planck Collaboration, Aghanim, N., Arnaud, M., et al., “Planck early results. IX. XMM-Newton follow-up for validation of Planck cluster candidates”, 2011A&A...536A...9P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample”, 2011A&A...536A...8P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. VII. The Early Release Compact Source Catalogue”, 2011A&A...536A...7P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. II. The thermal performance of Planck”, 2011A&A...536A...2P ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “Planck early results. I. The Planck mission”, 2011A&A...536A...1P ADS
- Okabe, N., Bourdin, H., Mazzotta, P., & Maurogordato, S., “Subaru Weak-lensing Study of A2163: Bimodal Mass Structure”, 2011ApJ...741..1160 ADS
- Mazzotta, P.: 2011, *a Detailed Chandra/hst Study of the First z approx 1 Cluster Blindly Discovered in the Planck all Sky Survey*, HST Proposal ID 12757. Cycle 19 2011hst..prop12757M ADS
- Ferrari, C., Intema, H. T., Orrù, E., et al., “Discovery of the correspondence between intra-cluster radio emission and a high pressure region detected through the Sunyaev-Zel'dovich effect”, 2011A&A...534L..12F ADS
- Mazzotta, P.: 2011a, *Chandra Archival Study of Planck Clusters*, Chandra proposal ID 13800711 2011cxo..prop.4242M ADS
- Mazzotta, P.: 2011b, *a Detailed Chandra/hst Study of the First z approx 1 Cluster Blindly Discovered in the Planck all Sky Survey*, Chandra proposal ID 13800663 2011cxo..prop.3451M ADS
- Richard, J., Smith, G. P., Kneib, J. P., et al., “VizieR Online Data Catalog: Massive galaxy clusters lensing analyse (Richard+, 2010)”, 2011yCat...74040325R ADS
- Giacintucci, S., O’Sullivan, E., Vrtillek, J., et al., “A Combined Low-radio Frequency/X-ray Study of Galaxy Groups. I. Giant Metrewave Radio Telescope Observations at 235 MHz AND 610 MHz”, 2011ApJ...732...95G ADS
- Balogh, M. L., Mazzotta, P., Bower, R. G., et al., “The stellar and hot gas content of low-mass galaxy clusters”, 2011MNRAS.412..947B ADS
- Rasia, E., Mazzotta, P., Evrard, A., et al., “Scaling Relation in Two Situations of Extreme Mergers”, 2011ApJ...729...45R ADS
- Bourdin, H., Arnaud, M., Mazzotta, P., et al., “A2163: Merger events in the hottest Abell galaxy cluster. II. Subcluster accretion with galaxy-gas separation”, 2011A&A...527A..21B ADS
- Mazzotta, P.: 2011, *Overview of the Planck Cluster SZ Results*, Kavli Institute for Theoretical Physics Program: Galaxy Clusters: The Crossroads of Astrophysics and Cosmology (January 31 - April 22, 2011). Online at <A href="https://online.kitp.ucsb.edu/online/gclusters11">https://online.kitp.ucsb.edu/online/gclusters11</A>, 2011gcca.progE...6M ADS
- Planck Collaboration, Ade, P. A. R., Aghanim, N., et al., “VizieR Online Data Catalog: Planck Early Release Compact Source Catalogue (Planck, 2011)”, 2011yCat.8088...0P ADS
- Mazzotta, P., Bourdin, H., Giacintucci, S., Markevitch, M., & Venturi, T., “Study of the M shock wave propagation in RXJ1314.4-2515”, 2011MmSAI...82...495M ADS
- Tauber, J. A., Mandolesi, N., Puget, J. L., et al., “Planck pre-launch status: The Planck mission”, 2010A&A...520A...1T ADS
- Richard, J., Smith, G. P., Kneib, J.-P., et al., “LoCuSS: first results from strong-lensing analysis of 20 massive galaxy clusters at  $z = 0.2$ ”, 2010MNRAS.404..325R ADS
- Meneghetti, M., Rasia, E., Merten, J., et al., “Weighing simulated galaxy clusters using lensing and X-ray”, 2010A&A...514A..93M ADS
- Zhang, Y.-Y., Okabe, N., Finoguenov, A., et al., “LoCuSS: A Comparison of Cluster Mass Measurements from XMM-Newton and Subaru-Testing Deviation from Hydrostatic Equilibrium and Non-thermal Pressure Support”, 2010ApJ...711.1033Z ADS
- Giacintucci, S., Venturi, T., Brunetti, G., et al., “Testing the radio halo-cluster merger scenario. The case of RXC J2003.5-2323”, 2009A&A...505...45G ADS
- Giacintucci, S., O’Sullivan, E., Vrtillek, J., et al., “Energy injection in AWM4: a cool corona, a strong radio source, and missing X-ray cavities”, 2009cfdd.confE.108G ADS
- Piro, L., den Herder, J. W., Ohashi, T., et al., “EDGE: Explorer of diffuse emission and gamma-ray burst explosions”, 2009ExA...23...67P ADS
- Mazzotta, P.: 2008, *Relics and Halos at intermediate redshift: testing the merging paradigm*, XMM-Newton Proposal ID 06017901 2008xmm..prop...44M ADS
- Giacintucci, S., Vrtillek, J. M., Murgia, M., et al., “A Giant Metrewave Radio Telescope Multifrequency Radio Study of the Isothermal Core of the Poor Galaxy Cluster AWM 4”, 2008ApJ...682..186G ADS
- Mazzotta, P. & Giacintucci, S., “Do Radio Core-Halos and Cold Fronts in Non-Major-Merging Clusters Originate from the Same Gas Sloshing?”, 2008ApJ...675L...9M ADS
- Rasia, E., Mazzotta, P., Bourdin, H., et al., “X-MAS2: Study Systematics on the ICM Metallicity Measurements”, 2008ApJ...674..728R ADS
- Bourdin, H. & Mazzotta, P., “Temperature structure of the intergalactic medium within seven nearby and bright clusters of galaxies observed with XMM-Newton”, 2008A&A...479..307B ADS
- Giacintucci, S., Venturi, T., Murgia, M., et al., “Radio morphology and spectral analysis of cD galaxies in rich and poor galaxy clusters”, 2007A&A...476...99G ADS
- Maturi, M., Moscardini, L., Mazzotta, P., Dolag, K., & Tormen, G., “The importance of merging activity for the kinetic polarization of the Sunyaev-Zel'dovich signal from galaxy clusters”, 2007A&A...475...71M ADS
- Mazzotta, P.: 2007, *Relics and Halos at intermediate redshift: testing the merging paradigm*, XMM-Newton Proposal ID 05510401 2007xmm..prop...36M ADS
- Baldi, A., Ettori, S., Mazzotta, P., Tozzi, P., & Borgani, S., “A Chandra Archival Study of the Temperature and Metal Abundance Profiles in Hot Galaxy Clusters at  $0.1 < z < 0.3$ ”, 2007ApJ...666..835B ADS
- Egami, E., Marshall, P., Mazzotta, P., et al.: 2007, *The Local Cluster Substructure Survey (LoCuSS): Exploring K-band Light as a Probe of Cluster Mass and Substructure*, NOAO Proposal ID 2007B-0451 2007noao.prop...451E ADS
- Smith, G., Babul, A., Carlstrom, J., et al.: 2007, *A Joint Spitzer/Lensing Survey - Exploring the Connection Between Hierarchical Assembly and Starburst Activity in Galaxy Clusters at  $z=0.2$* , Spitzer Proposal ID 40872 2007sptz.prop40872S ADS
- Egami, E., Marshall, P., Mazzotta, P., et al.: 2007, *The Local Cluster Substructure Survey (LoCuSS): Exploring K-band light as a probe of cluster mass and substructure*, NOAO Proposal ID 2007A-0428 2007noao.prop...428E ADS
- Rasia, E., Mazzotta, P., Bourdin, H., et al., “Observing Metallicity in Simulated Clusters with X-MAS2”, 2007hvcg.conf...365R ADS
- Giacintucci, S., Venturi, T., Bardelli, S., et al., “High Sensitivity Low Frequency Radio Observations of cD Galaxies”, 2007hvcg.conf...130G ADS
- Mazzotta, P.: 2006, *Relics and Halos at intermediate redshift: testing the merging paradigm*, XMM-Newton Proposal ID 05017301 2006xmm..prop...57M ADS
- Rasia, E., Ettori, S., Moscardini, L., et al., “Systematics in the X-ray cluster mass estimators”, 2006MNRAS.369.2013R ADS
- Piro, L., Amati, L., Barbera, M., et al., “ESTREMO/WFXRT: Extreme physics in the TRansient and Evolving COsmos”, 2006SPIE.6266E..0KP ADS
- Giacintucci, S., Mazzotta, P., Brunetti, G., Venturi, T., & Bardelli, S., “Evidence of gas heating by the central AGN in MKW 3s”, 2006AN...327..573G ADS
- Mazzotta, P., Bower, R., Balogh, M., et al., “X-ray Properties of a Mass-Selected Group Catalog”, 2006cosp...36..647M ADS
- Rasia, E., Ettori, S., Moscardini, L., et al., “Bias on Estimates of X-ray Cluster Mass”, 2006EAS...20..295R ADS
- Bourdin, H. & Mazzotta, P., “Temperature structure of the intra-cluster medium within relaxed clusters of galaxies”, 2006EAS...20..267B ADS
- Bourdin, H. & Mazzotta, P., “Temperature structure of the intra-cluster medium within a sample of nearby and bright clusters of galaxies observed with XMM-Newton.”, 2005sf2a.conf...705B ADS

- Mazzotta, P.: 2005, *An Archival Study of the Metal Distribution and X-ray Scaling Relations in Galaxy Clusters at  $0.1 < z < 0.7$* , Chandra proposal ID 07800467 2005cxo..prop.4058M ADS
- Hansen, F. K., Branchini, E., Mazzotta, P., Cabella, P., & Dolag, K., "A full-sky prediction of the Sunyaev-Zeldovich effect from diffuse hot gas in the local universe and the upper limit from the WMAP data", 2005MNRAS.361..753H ADS
- Viel, M., Branchini, E., Cen, R., et al., "Tracing the warm-hot intergalactic medium in the local Universe", 2005MNRAS.360.1110V ADS
- Smith, G. P., Kneib, J.-P., Smail, I., et al., "A Hubble Space Telescope lensing survey of X-ray luminous galaxy clusters - IV. Mass, structure and thermodynamics of cluster cores at  $z = 0.2$ ", 2005MNRAS.359..417S ADS
- de Zotti, G., Ricci, R., Mesa, D., et al., "Predictions for high-frequency radio surveys of extragalactic sources", 2005A&A...431..893D ADS
- Rasia, E., Mazzotta, P., Borgani, S., et al., "Mismatch between X-Ray and Emission-weighted Temperatures in Galaxy Clusters: Cosmological Implications", 2005ApJ...618L...1R ADS
- Mazzotta, P., Rasia, E., Borgani, S., et al., "Spectroscopic-Like Temperature of Clusters of Galaxies and Cosmological Implications", 2004astro.ph.12536M ADS
- Dalla Vecchia, C., Bower, R. G., Theuns, T., et al., "Quenching cluster cooling flows with recurrent hot plasma bubbles", 2004MNRAS.355..995D ADS
- Mazzotta, P., Brunetti, G., Giacintucci, S., Venturi, T., & Bardelli, S., "Heated Intracluster Gas and Radio Connections: The Singular Case of MKW 3S", 2004JKAS...37..381M ADS
- Mazzotta, P., Rasia, E., Moscardini, L., & Tormen, G., "Comparing the temperatures of galaxy clusters from hydrodynamical N-body simulations to Chandra and XMM-Newton observations", 2004MNRAS.354...10M ADS
- Mazzotta, P.: 2004, *X-ray Properties of a Mass-Selected Group Catalog*, Chandra Proposal ID 06800267 2004cxo..prop.1783M ADS
- Mazzotta, P., Rasia, E., Moscardini, L., & Tormen, G., "Comparing the temperatures of galaxy clusters from hydro-N-body simulations to Chandra and XMM-Newton observations", 2004astro.ph..9618M ADS
- Rasia, E., Gardini, A., Mazzotta, P., et al., "Simulating Chandra observations of galaxy clusters", 2004ogci.conf..313R ADS
- D'Elia, V., Fiore, F., Elvis, M., et al., "The faint X-ray source population near 3C 295", 2004ogci.conf..39D ADS
- D'Elia, V., Fiore, F., Elvis, M., et al., "The faint X-ray source population near 3C 295", 2004A&A...422...11D ADS
- D'Elia, V., Fiore, F., Elvis, M., et al., "The Faint X-ray Source Population Near the 3C 295 cluster", 2004astro.ph..6080D ADS
- D'Elia, V., Fiore, F., Elvis, M., et al., "X-ray sources overdensity around the 3C 295 galaxy cluster", 2004NuPhS.132...54D ADS
- Gardini, A., Rasia, E., Mazzotta, P., et al., "Simulating Chandra observations of galaxy clusters", 2004MNRAS.351..505G ADS
- Smith, G. P., Kneib, J. P., Smail, I., et al., "Massive Galaxy Clusters - New Insights from Hubble and Chandra", 2003AAS...203.3001S ADS
- Diego, J. M., Mazzotta, P., & Silk, J., "Kinetic Sunyaev-Zeldovich Effect and Cosmic Microwave Background Polarization from Subsonic Bulk Motions of Dense Gas Clouds in Galaxy Cluster Cores", 2003ApJ...597L...1D ADS
- D'Elia, V., Fiore, F., Elvis, M., et al., "X-Ray Sources Overdensity Around 3C 295", 2003astro.ph.10506D ADS
- Mazzotta, P., Edge, A. C., & Markevitch, M., "A Chandra Study of the Complex Structure in the Core of 2A 0335+096", 2003ApJ...596..190M ADS
- Viel, M., Branchini, E., Cen, R., et al., "Detecting X-ray filaments in the low-redshift Universe with XEUS and Constellation-X", 2003MNRAS.341..792V ADS
- Mazzotta, P.: 2003, *XMM-Newton Proposal 02017516*, XMM-Newton Proposal ID 02017516 2003xmm.prop..94M ADS
- Markevitch, M., Mazzotta, P., Vikhlinin, A., et al., "Chandra Temperature Map of A754 and Constraints on Thermal Conduction", 2003ApJ...586L...19M ADS
- Mazzotta, P.: 2002, *Study of a Cold Front in a Massive Cooling Flow Cluster of Galaxies with Strong Lensing*, Chandra Proposal ID 04800425 2002cxo..prop.1311M ADS
- Mazzotta, P., Fusco-Femiano, R., & Vikhlinin, A., "Chandra Observation of a 300 Kiloparsec Hydrodynamic Instability in the Intergalactic Medium of the Merging Cluster of Galaxies A3667", 2002ApJ...569L...31M ADS
- Mazzotta, P., Kaastra, J. S., Paerels, F. B., et al., "Evidence for a Heated Gas Bubble inside the 'Cooling Flow' Region of MKW 3s", 2002ApJ...567L...37M ADS
- Mazzotta, P., Vikhlinin, A., Fusco-Femiano, R., & Markevitch, M., "Development of Hydrodynamic Instability in the Intergalactic Medium of the Merging Cluster of Galaxies A3667", 2002astro.ph..2324M ADS
- Mazzotta, P., Markevitch, M., Vikhlinin, A., & Forman, W. R., "Chandra Observations of Cold Fronts in Clusters of Galaxies", 2002ASPC..257..173M ADS
- Markevitch, M., Vikhlinin, A., & Mazzotta, P., "Nonhydrostatic Gas in the Core of the Relaxed Galaxy Cluster A1795", 2001ApJ...562L.153M ADS
- Cagnoni, I., Elvis, M., Kim, D. W., et al., "IWGA J1226.9+3332: A High-Redshift Cluster Discovered by Chandra", 2001ApJ...560...86C ADS
- Mazzotta, P.: 2001, *RXJ1720.1+2638: a Nearly Relaxed Cluster with a Fast Moving Core?*, Chandra Proposal ID 03800537 2001cxo..prop.1000M ADS
- Mazzotta, P., Markevitch, M., Forman, W. R., et al., "Chandra Observation of MS 1455.0+2232: cold fronts in a massive cooling flow cluster?", 2001astro.ph..8476M ADS
- Mazzotta, P., Markevitch, M., Vikhlinin, A., et al., "Chandra Observation of RX J1720.1+2638: a Nearly Relaxed Cluster with a Fast-moving Core?", 2001ApJ...555..205M ADS
- Nevalainen, J., Kaastra, J., Parmar, A. N., et al., "Temperature and total mass profiles of the A3571 cluster of galaxies", 2001A&A...369..459N ADS
- Cappi, M., Mazzotta, P., Elvis, M., et al., "Chandra Study of an Overdensity of X-Ray Sources around Two Distant ( $Z \approx 0.5$ ) Clusters", 2001ApJ...548..624C ADS
- Cagnoni, I., Elvis, M., Kim, D. W., et al., "Clusters of galaxies among ROSAT blank field sources", 2001cgchr.confE..27C ADS
- Cappi, M., Mazzotta, P., Burke, D. J., et al., "Chandra study of a concentration of X-ray sources around two distant ( $z \approx 0.5$ ) clusters", 2001MmSAI...72..207C ADS
- Markevitch, M., Vikhlinin, A., Mazzotta, P., & VanSpeybroeck, L., "Temperature Structure of Four Merging Clusters Obtained with Chandra", 2000astro.ph.12215M ADS
- Mazzotta, P., van Speybroeck, L., David, L. P., et al., "Chandra Observation of RXJ1720.1+2638: Study of a Cluster Core Moving in its Own Environment", 2000HEAD...5.4404M ADS
- Markevitch, M., Ponman, T. J., Nulsen, P. E. J., et al., "Chandra Observation of Abell 2142: Survival of Dense Subcluster Cores in a Merger", 2000ApJ...541..542M ADS
- Colafrancesco, S., Mullis, C. R., Wolter, A., et al., "An X-ray and optical study of the cluster A33", 2000A&AS..144..187C ADS
- Harris, D. E., Nulsen, P. E. J., Ponman, T. J., et al., "Chandra X-Ray Detection of the Radio Hot Spots of 3C 295", 2000ApJ...530L..81H ADS
- Harris, D. E., Cameron, R. A., David, L. P., et al., "Chandra X-ray Detection of the Radio Hotspots of 3C 295", 1999AAS...195.2004H ADS
- de Zotti, G., Toffolatti, L., Argüeso, F., et al., "The Planck Surveyor mission: astrophysical prospects", 1999AIPC...476..204D ADS
- Mazzotta, P., Mazzitelli, P., Colafrancesco, S., & Vittorio, N., "X-ray spectra from hot thin plasmas: first results from a new, updated plasma code", 1999NuPhS...69..585M ADS
- Colafrancesco, S., Antonelli, A., Mazzotta, P., & Vittorio, N., "Evolution of distant X-ray clusters of galaxies: the BeppoSAX data", 1999NuPhS...69..573C ADS
- Mazzotta, P. & Mazzitelli, G., "A New Ionization Balance for Optically Thin Plasmas: the Implication for the Calculated X Ray Spectrum.", 1998tx19.confE.525M ADS
- Mazzotta, P., Mazzitelli, G., Colafrancesco, S., & Vittorio, N., "Ionization balance for optically thin plasmas: Rate coefficients for all atoms and ions of the elements H to Ni", 1998A&AS..133..403M ADS
- Mazzotta, P., Mazzitelli, G., Colafrancesco, S., & Vittorio, N., "VizieR On-line Data Catalog: Ionization balance for optically thin plasmas (Mazzotta+1998)", 1998yCat...41330403M ADS
- Mazzotta, P. & Mazzitelli, G., "Ionization Balance for Optically Thin Plasmas: Rate Coefficients for all Atoms and Ions of the Elements H to Ni and implication for the calculated X-ray spectrum", 1998sxmm.confE..33M ADS
- Colafrancesco, S., Mazzotta, P., & Vittorio, N., "The T - L Correlation for Distant Galaxy Clusters", 1998sst.conf..159C ADS
- Colafrancesco, S., Mazzotta, P., & Vittorio, N., "Is the Cluster Temperature Function a Reliable Test for  $\Omega_0$ ?", 1997ApJ...488..566C ADS
- Colafrancesco, S., Mazzotta, P., Rephaeli, Y., & Vittorio, N., "Intracluster Comptonization of the Cosmic Microwave Background: Mean Spectral Distortion and Cluster Number Counts", 1997ApJ...479...1C ADS
- Vittorio, N., Colafrancesco, S., Mazzotta, P., & Rephaeli, Y., "Intracluster comptonization of the CMB in CDM cosmologies.", 1997mba.conf..401V ADS
- Colafrancesco, S., Vittorio, N., & Mazzotta, P., "Evolution of clusters of galaxies.", 1997mba.conf..395C ADS
- Colafrancesco, S., Mazzotta, P., Rephaeli, Y., & Vittorio, N., "Cosmic Microwave Background Anisotropy Induced by Gas in Clusters of Galaxies", 1994ApJ...433..454C ADS