

Pasquale Mazzotta

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4986415/publications.pdf>

Version: 2024-02-01

159
papers

23,707
citations

8181

76
h-index

7518

151
g-index

159
all docs

159
docs citations

159
times ranked

13599
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2013 results. XVI. Cosmological parameters. <i>Astronomy and Astrophysics</i> , 2014, 571, A16.	5.1	4,703
2	<i>Planck</i> 2013 results. I. Overview of products and scientific results. <i>Astronomy and Astrophysics</i> , 2014, 571, A1.	5.1	948
3	<i>Planck</i> 2013 results. XXII. Constraints on inflation. <i>Astronomy and Astrophysics</i> , 2014, 571, A22.	5.1	806
4	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A1.	5.1	738
5	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A11.	5.1	566
6	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A27.	5.1	535
7	<i>Planck</i> 2013 results. XX. Cosmology from Sunyaev-Zeldovich cluster counts. <i>Astronomy and Astrophysics</i> , 2014, 571, A20.	5.1	465
8	Chandra Observation of Abell 2142: Survival of Dense Subcluster Cores in a Merger. <i>Astrophysical Journal</i> , 2000, 541, 542-549.	4.5	402
9	<i>Planck</i> early results. I. The <i>Planck</i> mission. <i>Astronomy and Astrophysics</i> , 2011, 536, A1.	5.1	394
10	<i>Planck</i> 2013 results. XXIX. The <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. <i>Astronomy and Astrophysics</i> , 2014, 571, A29.	5.1	380
11	<i>Planck</i> 2013 results. XXIII. Isotropy and statistics of the CMB. <i>Astronomy and Astrophysics</i> , 2014, 571, A23.	5.1	367
12	<i>Planck</i> 2013 results. XV. CMB power spectra and likelihood. <i>Astronomy and Astrophysics</i> , 2014, 571, A15.	5.1	364
13	<i>Planck</i> 2013 results. XXIV. Constraints on primordial non-Gaussianity. <i>Astronomy and Astrophysics</i> , 2014, 571, A24.	5.1	350
14	Comparing the temperatures of galaxy clusters from hydrodynamical N-body simulations to Chandra and XMM-Newton observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, 10-24.	4.4	340
15	<i>Planck</i> early results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample. <i>Astronomy and Astrophysics</i> , 2011, 536, A8.	5.1	335
16	<i>Planck</i> early results. XIX. All-sky temperature and dust optical depth from <i>Planck</i> and IRAS. Constraints on the "dark gas" in our Galaxy. <i>Astronomy and Astrophysics</i> , 2011, 536, A19.	5.1	314
17	<i>Planck</i> intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. <i>Astronomy and Astrophysics</i> , 2015, 576, A104.	5.1	296
18	<i>Planck</i> 2013 results. XVII. Gravitational lensing by large-scale structure. <i>Astronomy and Astrophysics</i> , 2014, 571, A17.	5.1	272

#	ARTICLE	IF	CITATIONS
19	<i>Planck</i> pre-launch status: The <i>Planck</i> mission. <i>Astronomy and Astrophysics</i> , 2010, 520, A1.	5.1	268
20	Systematics in the X-ray cluster mass estimators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 2013-2024.	4.4	257
21	Weighing simulated galaxy clusters using lensing and X-ray. <i>Astronomy and Astrophysics</i> , 2010, 514, A93.	5.1	235
22	A Hubble Space Telescope lensing survey of X-ray luminous galaxy clusters - IV. Mass, structure and thermodynamics of cluster cores at $z = 0.2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 359, 417-446.	4.4	232
23	<i>Planck</i> early results. VII. The Early Release Compact Source Catalogue. <i>Astronomy and Astrophysics</i> , 2011, 536, A7.	5.1	224
24	<i>Planck</i> 2013 results. XXV. Searches for cosmic strings and other topological defects. <i>Astronomy and Astrophysics</i> , 2014, 571, A25.	5.1	223
25	<i>Planck</i> 2013 results. XII. Diffuse component separation. <i>Astronomy and Astrophysics</i> , 2014, 571, A12.	5.1	216
26	Predictions for high-frequency radio surveys of extragalactic sources. <i>Astronomy and Astrophysics</i> , 2005, 431, 893-903.	5.1	214
27	<i>Planck</i> 2013 results. XXX. Cosmic infrared background measurements and implications for star formation. <i>Astronomy and Astrophysics</i> , 2014, 571, A30.	5.1	210
28	Lensing and x-ray mass estimates of clusters (simulations). <i>New Journal of Physics</i> , 2012, 14, 055018.	2.9	190
29	Nonhydrostatic Gas in the Core of the Relaxed Galaxy Cluster A1795. <i>Astrophysical Journal</i> , 2001, 562, L153-L156.	4.5	186
30	<i>Planck</i> early results. XXV. Thermal dust in nearby molecular clouds. <i>Astronomy and Astrophysics</i> , 2011, 536, A25.	5.1	184
31	<i>Planck</i> early results. XVIII. The power spectrum of cosmic infrared background anisotropies. <i>Astronomy and Astrophysics</i> , 2011, 536, A18.	5.1	180
32	<i>Planck</i> early results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo. <i>Astronomy and Astrophysics</i> , 2011, 536, A24.	5.1	179
33	<i>Planck</i> early results. XI. Calibration of the local galaxy cluster Sunyaev-Zeldovich scaling relations. <i>Astronomy and Astrophysics</i> , 2011, 536, A11.	5.1	174
34	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 586, A133.	5.1	173
35	<i>Planck</i> 2013 results. XXVII. Doppler boosting of the CMB: Eppur si muove. <i>Astronomy and Astrophysics</i> , 2014, 571, A27.	5.1	170
36	The pre-launch <i>Planck</i> Sky Model: a model of sky emission at submillimetre to centimetre wavelengths. <i>Astronomy and Astrophysics</i> , 2013, 553, A96.	5.1	166

#	ARTICLE	IF	CITATIONS
37	<i>Planck</i> 2013 results. XXVIII. The <i>Planck</i> Catalogue of Compact Sources. Astronomy and Astrophysics, 2014, 571, A28.	5.1	162
38	<i>Planck</i> early results. XX. New light on anomalous microwave emission from spinning dust grains. Astronomy and Astrophysics, 2011, 536, A20.	5.1	155
39	<i>Planck</i> early results. XXIII. The first all-sky survey of Galactic cold clumps. Astronomy and Astrophysics, 2011, 536, A23.	5.1	152
40	<i>Planck</i> 2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	5.1	144
41	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 557, A52.	5.1	141
42	Planck intermediate results. Astronomy and Astrophysics, 2014, 566, A55.	5.1	134
43	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A28.	5.1	134
44	<i>Planck</i> 2013 results. XXI. Power spectrum and high-order statistics of the <i>Planck</i> all-sky Compton parameter map. Astronomy and Astrophysics, 2014, 571, A21.	5.1	133
45	<i>Planck</i> 2013 results. IX. HFI spectral response. Astronomy and Astrophysics, 2014, 571, A9.	5.1	129
46	LoCuSS: A COMPARISON OF CLUSTER MASS MEASUREMENTS FROM <i>XMM-NEWTON</i> AND SUBARUâ€™ TESTING DEVIATION FROM HYDROSTATIC EQUILIBRIUM AND NON-THERMAL PRESSURE SUPPORT. Astrophysical Journal, 2010, 711, 1033-1043.	4.5	128
47	<i>Planck</i> intermediate results. XXII. Frequency dependence of thermalâ€™ emissionâ€™ fromâ€™ Galacticâ€™ dustâ€™ inâ€™ intensity and polarization. Astronomy and Astrophysics, 2015, 576, A107.	5.1	126
48	<i>Planck</i> 2013 results. XIX. The integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2014, 571, A19.	5.1	126
49	<i>Planck</i> early results. IX. <i>XMM-Newton</i> follow-up for validation of <i>Planck</i> cluster candidates. Astronomy and Astrophysics, 2011, 536, A9.	5.1	126
50	<i>Planck</i> early results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters. Astronomy and Astrophysics, 2011, 536, A10.	5.1	124
51	<i>Planck</i> early results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds. Astronomy and Astrophysics, 2011, 536, A17.	5.1	123
52	The ATHENA x-ray integral field unit (X-IFU). , 2018, , .		120
53	<i>Planck</i> early results. XXI. Properties of the interstellar medium in the Galactic plane. Astronomy and Astrophysics, 2011, 536, A21.	5.1	119
54	<i>Planck</i> intermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence. Astronomy and Astrophysics, 2015, 576, A105.	5.1	119

#	ARTICLE	IF	CITATIONS
55	Do Radio Core-Halos and Cold Fronts in Non-Major-Merging Clusters Originate from the Same Gas Slushing?. <i>Astrophysical Journal</i> , 2008, 675, L9-L12.	4.5	116
56	<i>Planck</i> 2013 results. XVIII. The gravitational lensing-infrared background correlation. <i>Astronomy and Astrophysics</i> , 2014, 571, A18.	5.1	116
57	Chandra Observation of RX J1720.1+2638: a Nearly Relaxed Cluster with a Fastâ€moving Core?. <i>Astrophysical Journal</i> , 2001, 555, 205-214.	4.5	116
58	<i>Planck</i> 2013 results. VIII. HFI photometric calibration and mapmaking. <i>Astronomy and Astrophysics</i> , 2014, 571, A8.	5.1	107
59	<i>Planck</i> early results. XIII. Statistical properties of extragalactic radio sources in the <i>Planck</i> Early Release Compact Source Catalogue. <i>Astronomy and Astrophysics</i> , 2011, 536, A13.	5.1	103
60	<i>Planck</i> 2013 results. VI. High Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A6.	5.1	103
61	<i>Planck</i> early results. XII. Cluster Sunyaev-Zeldovich optical scaling relations. <i>Astronomy and Astrophysics</i> , 2011, 536, A12.	5.1	100
62	<i>Planck</i> 2013 results. VII. HFI time response and beams. <i>Astronomy and Astrophysics</i> , 2014, 571, A7.	5.1	99
63	[ITAL]Chandra[/ITAL] Temperature Map of A754 and Constraints on Thermal Conduction. <i>Astrophysical Journal</i> , 2003, 586, L19-L23.	4.5	94
64	<i>Planck</i> early results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources. <i>Astronomy and Astrophysics</i> , 2011, 536, A15.	5.1	93
65	LoCuSS: Testing hydrostatic equilibrium in galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 456, L74-L78.	3.3	93
66	HOT X-RAY CORONAE AROUND MASSIVE SPIRAL GALAXIES: A UNIQUE PROBE OF STRUCTURE FORMATION MODELS. <i>Astrophysical Journal</i> , 2013, 772, 97.	4.5	92
67	<i>Planck</i> early results. II. The thermal performance of <i>Planck</i>. <i>Astronomy and Astrophysics</i> , 2011, 536, A2.	5.1	91
68	<i>Planck</i> 2013 results. XXVI. Background geometry and topology of the Universe. <i>Astronomy and Astrophysics</i> , 2014, 571, A26.	5.1	91
69	<i>Planck</i> 2013 results. XIV. Zodiacal emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A14.	5.1	90
70	Mismatch between X-Ray and Emission-weighted Temperatures in Galaxy Clusters: Cosmological Implications. <i>Astrophysical Journal</i> , 2005, 618, L1-L4.	4.5	89
71	<i>Planck</i> early results. XXII. The submillimetre properties of a sample of Galactic cold clumps. <i>Astronomy and Astrophysics</i> , 2011, 536, A22.	5.1	88
72	Quenching cluster cooling flows with recurrent hot plasma bubbles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 355, 995-1004.	4.4	87

#	ARTICLE	IF	CITATIONS
73	NEW DETECTIONS OF RADIO MINIHALOS IN COOL CORES OF GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 781, 9.	4.5	82
74	<i>Planck</i> 2013 results. XXXII. The updated <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. <i>Astronomy and Astrophysics</i> , 2015, 581, A14.	5.1	80
75	The Fraction of Cool-core Clusters in X-Ray versus SZ Samples Using Chandra Observations. <i>Astrophysical Journal</i> , 2017, 843, 76.	4.5	80
76	LoCuSS: THE SUNYAEV-ZEL'DOVICH EFFECT AND WEAK-LENSING MASS SCALING RELATION. <i>Astrophysical Journal</i> , 2012, 754, 119.	4.5	79
77	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A2.	5.1	79
78	[ITAL]Chandra[/ITAL] X-Ray Detection of the Radio Hot Spots of 3C 295. <i>Astrophysical Journal</i> , 2000, 530, L81-L84.	4.5	78
79	LoCuSS: first results from strong-lensing analysis of 20 massive galaxy clusters at <math>z < 0.2</math>. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	4.4	76
80	SHOCK HEATING OF THE MERGING GALAXY CLUSTER A521. <i>Astrophysical Journal</i> , 2013, 764, 82.	4.5	75
81	<i>Planck</i> early results. XVI. The <i>Planck</i> view of nearby galaxies. <i>Astronomy and Astrophysics</i> , 2011, 536, A16.	5.1	74
82	<i>Planck</i> 2013 results. II. Low Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A2.	5.1	74
83	A COMBINED LOW-RADIO FREQUENCY/X-RAY STUDY OF GALAXY GROUPS. I. GIANT METREWAVE RADIO TELESCOPE OBSERVATIONS AT 235 MHz AND 610 MHz. <i>Astrophysical Journal</i> , 2011, 732, 95.	4.5	74
84	<i>Planck</i> early results. XXVI. Detection with <i>Planck</i> and confirmation by <i>XMM-Newton</i> of PLCKG266.6+27.3, an exceptionally X-ray luminous and massive galaxy cluster at $z \sim 1$. <i>Astronomy and Astrophysics</i> , 2011, 536, A26.	5.1	72
85	Temperature structure of the intergalactic medium within seven nearby and bright clusters of galaxies observed with XMM-Newton. <i>Astronomy and Astrophysics</i> , 2008, 479, 307-320.	5.1	71
86	A <i>Chandra</i> Archival Study of the Temperature and Metal Abundance Profiles in Hot Galaxy Clusters at <math>0.1 < z < 0.3</math>. <i>Astrophysical Journal</i> , 2007, 666, 835-845.	4.5	71
87	<i>Planck</i> 2013 results. XXXI. Consistency of the <i>Planck</i> data. <i>Astronomy and Astrophysics</i> , 2014, 571, A31.	5.1	69
88	A <i>Chandra</i> Study of the Complex Structure in the Core of 2A 0335+096. <i>Astrophysical Journal</i> , 2003, 596, 190-203.	4.5	68
89	<i>Planck</i> 2013 results. X. HFI energetic particle effects: characterization, removal, and simulation. <i>Astronomy and Astrophysics</i> , 2014, 571, A10.	5.1	68
90	<i>Planck</i> intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible. <i>Astronomy and Astrophysics</i> , 2015, 576, A106.	5.1	68

#	ARTICLE	IF	CITATIONS
91	Evidence for a Heated Gas Bubble inside the "Cooling Flow" Region of MKW 3s. <i>Astrophysical Journal</i> , 2002, 567, L37-L40.	4.5	67
92	<i>Planck</i> 2013 results. V. LFI calibration. <i>Astronomy and Astrophysics</i> , 2014, 571, A5.	5.1	67
93	<i>Planck</i> intermediate results. XV. A study of anomalous microwave emission in Galactic clouds. <i>Astronomy and Astrophysics</i> , 2014, 565, A103.	5.1	67
94	X–MAS2: Study Systematics on the ICM Metallicity Measurements. <i>Astrophysical Journal</i> , 2008, 674, 728-741.	4.5	65
95	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A6.	5.1	62
96	Planck early results. XIV. ERCSC validation and extreme radio sources. <i>Astronomy and Astrophysics</i> , 2011, 536, A14.	5.1	61
97	LoCuSS: hydrostatic mass measurements of the high-LX cluster sample â€“ cross-calibration of Chandra and XMMâ€“Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 2342-2360.	4.4	60
98	Chandra Study of an Overdensity of X–Ray Sources around Two Distant ($z \approx 0.5$) Clusters. <i>Astrophysical Journal</i> , 2001, 548, 624-638.	4.5	59
99	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A4.	5.1	56
100	Simulating Chandra observations of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 351, 505-514.	4.4	55
101	TEMPERATURE STRUCTURE OF THE INTRACLUSTER MEDIUM FROM SMOOTHED-PARTICLE HYDRODYNAMICS AND ADAPTIVE-MESH REFINEMENT SIMULATIONS. <i>Astrophysical Journal</i> , 2014, 791, 96.	4.5	55
102	<i>Planck</i> intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. <i>Astronomy and Astrophysics</i> , 2014, 564, A45.	5.1	55
103	<i>Planck</i> 2013 results. III. LFI systematic uncertainties. <i>Astronomy and Astrophysics</i> , 2014, 571, A3.	5.1	54
104	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2012, 543, A102.	5.1	50
105	SUBARU WEAK-LENSING STUDY OF A2163: BIMODAL MASS STRUCTURE. <i>Astrophysical Journal</i> , 2011, 741, 116.	4.5	48
106	MAPPING THE PARTICLE ACCELERATION IN THE COOL CORE OF THE GALAXY CLUSTER RX J1720.1+2638. <i>Astrophysical Journal</i> , 2014, 795, 73.	4.5	47
107	<i>Chandra</i> ACIS-I particle background: an analytical model. <i>Astronomy and Astrophysics</i> , 2014, 566, A25.	5.1	47
108	[ITAL]Chandra[/ITAL] Observation of a 300 Kiloparsec Hydrodynamic Instability in the Intergalactic Medium of the Merging Cluster of Galaxies A3667. <i>Astrophysical Journal</i> , 2002, 569, L31-L34.	4.5	46

#	ARTICLE	IF	CITATIONS
109	<i>Planck</i> intermediate results. XXVI. Optical identification and redshifts of <i>Planck</i> clusters with the RTT150 telescope. <i>Astronomy and Astrophysics</i> , 2015, 582, A29.	5.1	46
110	Shapley Supercluster Survey: ram-pressure stripping versus tidal interactions in the Shapley supercluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3345-3369.	4.4	43
111	<i>Planck</i> 2013 results. IV. Low Frequency Instrument beams and window functions. <i>Astronomy and Astrophysics</i> , 2014, 571, A4.	5.1	41
112	Detection of anti-correlation of hot and cold baryons in galaxy clusters. <i>Nature Communications</i> , 2019, 10, 2504.	12.8	38
113	Radio morphology and spectral analysis of cD galaxies in rich and poor galaxy clusters. <i>Astronomy and Astrophysics</i> , 2007, 476, 99-119.	5.1	37
114	ON THE DISCREPANCY BETWEEN THEORETICAL AND X-RAY CONCENTRATION-MASS RELATIONS FOR GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2013, 776, 39.	4.5	33
115	LoCuSS: scaling relations between galaxy cluster mass, gas, and stellar content. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 60-80.	4.4	33
116	Discovery of an exceptionally bright giant arc at $z = 2.369$, gravitationally lensed by the <i>Planck</i> cluster PSZ1 $\hat{\epsilon}\%G311.65\hat{\sim}18.48$. <i>Astronomy and Astrophysics</i> , 2016, 590, L4.	5.1	32
117	Is the Cluster Temperature Function a Reliable Test for $\hat{\text{C}}0$?. <i>Astrophysical Journal</i> , 1997, 488, 566-571.	4.5	30
118	Updating of ionization data for ionization balance evaluations of atoms and ions for the elements hydrogen to germanium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 3569-3599.	1.5	30
119	Intracluster Comptonization of the Cosmic Microwave Background: Mean Spectral Distortion and Cluster Number Counts. <i>Astrophysical Journal</i> , 1997, 479, 1-16.	4.5	28
120	SCALING RELATION IN TWO SITUATIONS OF EXTREME MERGERS. <i>Astrophysical Journal</i> , 2011, 729, 45.	4.5	28
121	A2163: Merger events in the hottest Abell galaxy cluster. <i>Astronomy and Astrophysics</i> , 2011, 527, A21.	5.1	27
122	Cosmic microwave background anisotropy induced by gas in clusters of galaxies. <i>Astrophysical Journal</i> , 1994, 433, 454.	4.5	26
123	Shapley Supercluster Survey: Galaxy evolution from filaments to cluster cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 803-822.	4.4	25
124	Tracing the warm-hot intergalactic medium in the local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 1110-1122.	4.4	24
125	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A101.	5.1	24
126	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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 753-762.	4.4	23

#	ARTICLE	IF	CITATIONS
127	Testing the radio halo-cluster merger scenario. <i>Astronomy and Astrophysics</i> , 2009, 505, 45-53.	5.1	23
128	A comparison of algorithms for the construction of SZ cluster catalogues. <i>Astronomy and Astrophysics</i> , 2012, 548, A51.	5.1	23
129	Discovery of the correspondence between intra-cluster radio emission and a high pressure region detected through the Sunyaev-Zel'dovich effect. <i>Astronomy and Astrophysics</i> , 2011, 534, L12.	5.1	22
130	Is the Sunyaev-Zeldovich effect responsible for the observed steepening in the spectrum of the Coma radio halo?. <i>Astronomy and Astrophysics</i> , 2013, 558, A52.	5.1	21
131	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. <i>Experimental Astronomy</i> , 2009, 23, 67-89.	3.7	19
132	<i>Planck</i> intermediate results. XII: Diffuse Galactic components in the Gould Belt system. <i>Astronomy and Astrophysics</i> , 2013, 557, A53.	5.1	19
133	A MULTI-WAVELENGTH MASS ANALYSIS OF RCS2 J232727.6-020437, A $\sim 1/43 \text{ \AA}$ – $10^{15} M_{\odot}$ GALAXY CLUSTER AT $z = 0.7$. <i>Astrophysical Journal</i> , 2015, 814, 4.5–21.	4.5	19
134	Deriving the Hubble constant using <i>Planck</i> and <i>XMM-Newton</i> observations of galaxy clusters. <i>Astronomy and Astrophysics</i> , 2019, 621, A34.	5.1	19
135	Kinetic Sunyaev-Zel'dovich Effect and Cosmic Microwave Background Polarization from Subsonic Bulk Motions of Dense Gas Clouds in Galaxy Cluster Cores. <i>Astrophysical Journal</i> , 2003, 597, L1-L4.	4.5	18
136	Fast weak-lensing simulations with halo model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3574-3590.	4.4	18
137	The faint X-ray source population near 3C295. <i>Astronomy and Astrophysics</i> , 2004, 422, 11-21.	5.1	18
138	A Giant Metrewave Radio Telescope Multifrequency Radio Study of the Isothermal Core of the Poor Galaxy Cluster AWM 4. <i>Astrophysical Journal</i> , 2008, 682, 186-198.	4.5	17
139	1WGA J1226.9+3332: A High-Redshift Cluster Discovered by Chandra. <i>Astrophysical Journal</i> , 2001, 560, 86-91.	4.5	17
140	Detecting X-ray filaments in the low-redshift Universe with XEUS and Constellation-X. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 341, 792-804.	4.4	16
141	<i>Planck</i> intermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae. <i>Astronomy and Astrophysics</i> , 2015, 573, A6.	5.1	13
142	HEATED INTRACLUSTER GAS AND RADIO CONNECTIONS: THE SINGULAR CASE OF MKW 3S. <i>Journal of the Korean Astronomical Society</i> , 2004, 37, 381-385.	1.5	13
143	Discovery of large-scale diffuse radio emission and of a new galaxy cluster in the surroundings of MACSJ0520.7-1328. <i>Astronomy and Astrophysics</i> , 2014, 565, A13.	5.1	12
144	Chandra Observations of the <i>Planck</i> Early Sunyaev-Zeldovich Sample: A Reexamination of Masses and Mass Proxies. <i>Astrophysical Journal</i> , 2021, 914, 58.	4.5	11

#	ARTICLE	IF	CITATIONS
145	SPECTRAL IMAGING OF GALAXY CLUSTERS WITH PLANCK. <i>Astrophysical Journal</i> , 2015, 815, 92.	4.5	10
146	A weak lensing analysis of the PLCK G100.2-30.4 cluster. <i>Astronomy and Astrophysics</i> , 2015, 579, A7.	5.1	9
147	ORIGIN: metal creation and evolution from the cosmic dawn. <i>Experimental Astronomy</i> , 2012, 34, 519-549.	3.7	6
148	ESTREMO/WFXRT: Extreme physics in the TRansient and Evolving COsmos. , 2006, , .		5
149	The importance of merging activity for the kinetic polarization of the Sunyaev-Zel'dovich signal from galaxy clusters. <i>Astronomy and Astrophysics</i> , 2007, 475, 71-81.	5.1	4
150	Selecting background galaxies in weak-lensing analysis of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2776-2792.	4.4	4
151	The stellar and hot gas content of low-mass galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	4.4	2
152	X-ray sources overdensity around the 3C 295 galaxy cluster. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 132, 54-57.	0.4	1
153	Evidence of gas heating by the central AGN in MKW 3s. <i>Astronomische Nachrichten</i> , 2006, 327, 573-574.	1.2	1
154	X-ray spectra from hot thin plasmas: First results from a new, updated plasma code. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 69, 585-588.	0.4	0
155	Evolution of distant X-ray clusters of galaxies: the BeppoSAX data. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 69, 573-580.	0.4	0
156	Bias on Estimates of X-ray Cluster Mass. <i>EAS Publications Series</i> , 2006, 20, 295-296.	0.3	0
157	Temperature structure of the intra-cluster medium within relaxed clusters of galaxies. <i>EAS Publications Series</i> , 2006, 20, 267-268.	0.3	0
158	Observing Metallicity in Simulated Clusters with X-MAS2. <i>Globular Clusters - Guides To Galaxies</i> , 2007, , 365-367.	0.1	0
159	High Sensitivity Low Frequency Radio Observations of cD Galaxies. , 2007, , 130-132.		0