

# Chandra Observation of Abell 2142: Survival of Dense Su

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Off-axis Cluster Mergers: Effects of a Strongly Peaked Dark Matter Profile. <i>Astrophysical Journal</i> , 2001, 561, 621-644.	1.6	346
2	[ITAL]Chandra[/ITAL] Estimate of the Magnetic Field Strength near the Cold Front in A3667. <i>Astrophysical Journal</i> , 2001, 549, L47-L50.	1.6	141
3	A systematic study of X-ray substructure of galaxy clusters detected in the ROSAT All-Sky Survey. <i>Astronomy and Astrophysics</i> , 2001, 378, 408-427.	2.1	146
4	Optical and X-Ray Clusters as Tracers of the Supercluster-Void Network. I. Superclusters of Abell and X-Ray Clusters. <i>Astronomical Journal</i> , 2001, 122, 2222-2242.	1.9	138
5	Chandra X-ray Observations of the X-ray Faint Elliptical Galaxy NGC 4697. <i>Astrophysical Journal</i> , 2001, 556, 533-555.	1.6	152
6	Temperature Map of the Perseus Cluster of Galaxies Observed with [ITAL]ASCA[/ITAL]. <i>Astrophysical Journal</i> , 2001, 561, L165-L169.	1.6	25
7	Merger Shocks in Galaxy Clusters A665 and A2163 and Their Relation to Radio Halos. <i>Astrophysical Journal</i> , 2001, 563, 95-102.	1.6	128
8	Thermal Conduction in Clusters of Galaxies. <i>Astrophysical Journal</i> , 2001, 562, L129-L132.	1.6	375
9	A Moving Cold Front in the Intergalactic Medium of A3667. <i>Astrophysical Journal</i> , 2001, 551, 160-171.	1.6	328
10	Metallicity Gradients in X-ray Clusters of Galaxies. <i>Astrophysical Journal</i> , 2001, 551, 153-159.	1.6	207
11	On the soft X-ray spectrum of cooling flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 321, L20-L24.	1.6	139
12	The steady-state conduction-driven temperature profile in clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 323, 930-938.	1.6	5
13	Chandra measurements of the distribution of mass in the luminous lensing cluster Abell 2390. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 324, 877-890.	1.6	132
14	Chandra observations of the galaxy cluster Abell 1835. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 1057-1070.	1.6	100
15	Determining the Cosmic Distance Scale from Interferometric Measurements of the Sunyaev-Zeldovich Effect. <i>Astrophysical Journal</i> , 2002, 581, 53-85.	1.6	192
16	A Textbook Example of a Bow Shock in the Merging Galaxy Cluster 1E 0657-56. <i>Astrophysical Journal</i> , 2002, 567, L27-L31.	1.6	503
17	Chandra Observations of NGC 4636--an Elliptical Galaxy in Turmoil. <i>Astrophysical Journal</i> , 2002, 567, L115-L118.	1.6	156
18	The 2001 Australian Galaxy Cluster Workshop. <i>Publications of the Astronomical Society of Australia</i> , 2002, 19, 265-276.	1.3	0

#	ARTICLE	IF	CITATIONS
19	Radio Halos in Merging Clusters. <i>Highlights of Astronomy</i> , 2002, 12, 513-515.	0.0	2
20	Chandra Observation of A2256: A Cluster at the Early Stage of Merging. <i>Astrophysical Journal</i> , 2002, 565, 867-876.	1.6	75
21	A Cold Front in a Preheated Galaxy Cluster. <i>Astrophysical Journal</i> , 2002, 578, L9-L13.	1.6	36
22	[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.	1.6	46
23	[ITAL]Chandra[/ITAL] Observations of Abell 2029: No Cooling Flow and a Steep Abundance Gradient. <i>Astrophysical Journal</i> , 2002, 573, L13-L17.	1.6	51
24	Analytical Approach to the Mass Distribution Function of Subhalos and Cold Fronts in Galaxy Clusters. <i>Astrophysical Journal</i> , 2002, 577, 11-21.	1.6	21
25	ASCA Observations of Groups at Radii of Low Overdensity: Implications for the Cosmic Preheating. <i>Astrophysical Journal</i> , 2002, 578, 74-89.	1.6	54
26	Constraining the Collisional Nature of the Dark Matter through Observations of Gravitational Wakes. <i>Astrophysical Journal</i> , 2002, 565, 854-866.	1.6	27
27	Untangling the X-ray Emission from the Sa Galaxy NGC 1291 with Chandra. <i>Astrophysical Journal</i> , 2002, 570, 152-164.	1.6	60
28	Spectroscopic Deprojection Analysis of [ITAL]Chandra[/ITAL] Data of the Galaxy Cluster 3C 129. <i>Astrophysical Journal</i> , 2002, 569, L27-L30.	1.6	9
29	Chandra Observations of the Disruption of the Cool Core in A133. <i>Astrophysical Journal</i> , 2002, 575, 764-778.	1.6	56
30	Modified Entropy Models for the Intracluster Medium. <i>Astrophysical Journal</i> , 2002, 576, 601-624.	1.6	171
31	Cluster Magnetic Fields. <i>Annual Review of Astronomy and Astrophysics</i> , 2002, 40, 319-348.	8.1	585
32	The Evolution of X-Ray Clusters of Galaxies. <i>Annual Review of Astronomy and Astrophysics</i> , 2002, 40, 539-577.	8.1	375
33	Cosmology with the Sunyaev-Zel'dovich Effect. <i>Annual Review of Astronomy and Astrophysics</i> , 2002, 40, 643-680.	8.1	732
34	An Overview of the Performance and Scientific Results from the Chandra X-ray Observatory. <i>Publications of the Astronomical Society of the Pacific</i> , 2002, 114, 1-24.	1.0	600
35	Are X-ray clusters cooled by heat conduction to the surrounding intergalactic medium?. <i>New Astronomy</i> , 2002, 7, 279-282.	0.8	22
36	The hydrodynamics of dead radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 332, 271-282.	1.6	164

#	ARTICLE	IF	CITATIONS
37	Hydrodynamic simulations of merging clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2002, 329, 675-688.	1.6	97
38	The properties of the X-ray holes in the intracluster medium of the Perseus cluster. Monthly Notices of the Royal Astronomical Society, 2002, 331, 369-375.	1.6	163
39	Spatially resolved X-ray spectroscopy of the core of the Centaurus cluster. Monthly Notices of the Royal Astronomical Society, 2002, 331, 273-283.	1.6	126
40	Deep inside the core of Abell 1795: the Chandraview. Monthly Notices of the Royal Astronomical Society, 2002, 331, 635-648.	1.6	164
41	The missing soft X-ray luminosity in cluster cooling flows. Monthly Notices of the Royal Astronomical Society, 2002, 332, L50-L54.	1.6	65
42	Conduction and cooling flows. Monthly Notices of the Royal Astronomical Society, 2002, 335, L7-L11.	1.6	91
43	The effect of non-gravitational gas heating in groups and clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2002, 336, 409-424.	1.6	112
44	Chandra temperature and metallicity maps of the Perseus cluster core. Monthly Notices of the Royal Astronomical Society, 2002, 337, 71-78.	1.6	106
45	On conduction, cooling flows and galaxy formation. Monthly Notices of the Royal Astronomical Society, 2002, 335, L71-L74.	1.6	66
46	A cold front in the galaxy cluster A3667: Hydrodynamics, heat conduction, and magnetic field in the intergalactic medium. Astronomy Letters, 2002, 28, 495-508.	0.1	43
47	An Overview of the Performance of the Chandra X-ray Observatory. Experimental Astronomy, 2003, 16, 1-68.	1.6	49
48	Metal distribution in clusters of galaxies and the prospect of Astro-E2. Nuclear Physics A, 2003, 718, 61-68.	0.6	0
49	A deep Chandra observation of 3C294. New Astronomy Reviews, 2003, 47, 239-242.	5.2	3
50	Ram pressure stripping and the formation of cold fronts. Monthly Notices of the Royal Astronomical Society, 2003, 346, 13-17.	1.6	64
51	An XMM-Newton observation of the galaxy group MKW 4. Monthly Notices of the Royal Astronomical Society, 2003, 346, 525-539.	1.6	26
52	Some effects of small-scale metallicity variations in cooling flows. Monthly Notices of the Royal Astronomical Society, 2003, 338, 824-836.	1.6	34
53	A deep Chandra observation of the cluster environment of the $z=1.786$ radio galaxy 3C 294. Monthly Notices of the Royal Astronomical Society, 2003, 341, 729-738.	1.6	57
54	Simulated X-ray cluster temperature maps. Monthly Notices of the Royal Astronomical Society, 2003, 341, 1246-1252.	1.6	12

#	ARTICLE	IF	CITATIONS
55	Simulations of the effects of stripping and accretion on galaxy haloes in clusters. Monthly Notices of the Royal Astronomical Society, 2003, 341, 1333-1348.	1.6	50
56	Are we missing baryons in galaxy clusters?. Monthly Notices of the Royal Astronomical Society, 2003, 344, L13-L16.	1.6	64
57	A deep Chandra observation of the Perseus cluster: shocks and ripples. Monthly Notices of the Royal Astronomical Society, 2003, 344, L43-L47.	1.6	492
58	A possible shock wave in the intergalactic medium of the cluster of galaxies A754. Astronomy Letters, 2003, 29, 425-428.	0.1	16
59	Infant Galaxy Clusters at Low Redshifts?. Publication of the Astronomical Society of Japan, 2003, 55, 593-598.	1.0	2
60	XMM-Newton Observation of the Cluster of Galaxies Abell 1650. Publication of the Astronomical Society of Japan, 2003, 55, 1105-1113.	1.0	12
61	Spontaneous Generation of the Magnetic Field and Suppression of the Heat Conduction in Cold Fronts. Astrophysical Journal, 2003, 599, 964-970.	1.6	47
62	Equilibrium Models of Galaxy Clusters with Cooling, Heating, and Conduction. Astrophysical Journal, 2003, 593, 700-704.	1.6	16
63	A Chandra Study of the Complex Structure in the Core of 2A 0335+096. Astrophysical Journal, 2003, 596, 190-203.	1.6	68
64	A Comprehensive Radio and Optical Study of Abell 2256: Activity from an Infalling Group. Astronomical Journal, 2003, 125, 2393-2410.	1.9	30
65	On the Origin of Intracluster Entropy. Astrophysical Journal, 2003, 593, 272-290.	1.6	135
66	Abell 2255: Increased Star Formation and AGN Activity in a Cluster-Cluster Merger. Astronomical Journal, 2003, 125, 2427-2446.	1.9	72
67	High-Resolution X-Ray Spectroscopic Constraints on Cooling-Flow Models for Clusters of Galaxies. Astrophysical Journal, 2003, 590, 207-224.	1.6	463
68	Chandra Observations of Extended X-Ray Emission in Arp 220. Astrophysical Journal, 2003, 591, 154-166.	1.6	60
69	Chandra Observation of the Merging Cluster A2034. Astrophysical Journal, 2003, 593, 291-300.	1.6	33
70	Spatial Distributions of A3558 in the Core Region of the Shapley Supercluster. Astrophysical Journal, 2003, 596, 170-180.	1.6	7
71	Kinetic Sunyaev-Zel'dovich Effect and Cosmic Microwave Background Polarization from Subsonic Bulk Motions of Dense Gas Clouds in Galaxy Cluster Cores. Astrophysical Journal, 2003, 597, L1-L4.	1.6	18
72	Cold Fronts in Cold Dark Matter Clusters. Astrophysical Journal, 2003, 587, 514-523.	1.6	52

#	ARTICLE	IF	CITATIONS
73	Feedback Heating in Cluster and Galactic Cooling Flows. <i>Astrophysical Journal</i> , 2003, 587, 580-588.	1.6	70
74	[ITAL]Chandra[/ITAL] Temperature Map of A754 and Constraints on Thermal Conduction. <i>Astrophysical Journal</i> , 2003, 586, L19-L23.	1.6	94
75	XMM-Newton Observations of the Perseus Cluster. I. The Temperature and Surface Brightness Structure. <i>Astrophysical Journal</i> , 2003, 590, 225-237.	1.6	310
76	[ITAL]Chandra[/ITAL] Analysis of A496: No Chemical Gradients across Cold Fronts. <i>Astrophysical Journal</i> , 2003, 583, L13-L16.	1.6	45
77	Effect of Internal Flows on Sunyaev-Zeldovich Measurements of Cluster Peculiar Velocities. <i>Astrophysical Journal</i> , 2003, 587, 524-532.	1.6	75
78	Thermal Instability in Clusters of Galaxies with Conduction. <i>Astrophysical Journal</i> , 2003, 596, 889-902.	1.6	68
79	Models of Galaxy Clusters with Thermal Conduction. <i>Astrophysical Journal</i> , 2003, 582, 162-169.	1.6	186
80	Measuring the cluster magnetic field power spectra from Faraday rotation maps of Abell 400, Abell 2634 and Hydra A. <i>Astronomy and Astrophysics</i> , 2003, 412, 373-385.	2.1	115
81	Chandra Observations of A2029: The Dark Matter Profile Down to below 0.01 r <sub>vir</sub> in an Unusually Relaxed Cluster. <i>Astrophysical Journal</i> , 2003, 586, 135-142.	1.6	129
82	Abundance constraints and direct redshift measurement of the diffuse X-ray emission from a distant cluster of galaxies. <i>Astronomy and Astrophysics</i> , 2004, 417, 819-825.	2.1	30
83	Exploring Cluster Physics with High-Resolution Sunyaev-Zeldovich Effect Images and X-Ray Data: The Case of the Most X-Ray-Luminous Galaxy Cluster RX J1347-1145. <i>Publication of the Astronomical Society of Japan</i> , 2004, 56, 17-28.	1.0	81
84	MAGNETIC FIELDS IN CLUSTERS OF GALAXIES. <i>International Journal of Modern Physics D</i> , 2004, 13, 1549-1594.	0.9	406
85	SIMULATIONS OF HOT BUBBLES IN THE ICM. <i>Modern Physics Letters A</i> , 2004, 19, 2317-2329.	0.5	9
86	Cold filaments in galaxy clusters: effects of heat conduction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 349, 1509-1515.	1.6	38
87	Simulating Chandra observations of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 351, 505-514.	1.6	55
88	Thermal conduction in cosmological SPH simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 351, 423-435.	1.6	89
89	Stability of cold fronts in clusters: is magnetic field necessary?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, L52-L56.	1.6	25
90	XMM-Newton observations of the binary cluster system Abell 399/401. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 351, 1439-1456.	1.6	48

#	ARTICLE	IF	CITATIONS
91	Excess ionization and soft X-ray emission from cooling flow clusters. Monthly Notices of the Royal Astronomical Society, 2004, 353, 468-476.	1.6	6
92	Comparing the temperatures of galaxy clusters from hydrodynamical N-body simulations to Chandra and XMM-Newton observations. Monthly Notices of the Royal Astronomical Society, 2004, 354, 10-24.	1.6	340
93	Scaling Properties of X-ray Clusters: The Chandra View. Astrophysics and Space Science, 2004, 294, 45-50.	0.5	0
94	Properties of the intra cluster medium at high redshift. Nuclear Physics, Section B, Proceedings Supplements, 2004, 132, 48-53.	0.5	0
95	The Insignificance of Global Reheating in the A1068 Cluster: X-ray Analysis. Astrophysical Journal, 2004, 601, 184-196.	1.6	45
96	XMM-Newton Observation of the Merging Galaxy Cluster A1644. Astrophysical Journal, 2004, 608, 179-188.	1.6	40
97	AC 114: A Cluster with a Soft X-ray Tail. Astrophysical Journal, 2004, 611, 164-174.	1.6	18
98	Chandra and XMM-Newton Observations of the Double Cluster A1758. Astrophysical Journal, 2004, 613, 831-840.	1.6	42
99	Feedback in Active Galactic Nucleus Heating of Galaxy Clusters. Astrophysical Journal, 2004, 617, 896-902.	1.6	24
100	Formation of Cool Cores in Galaxy Clusters via Hierarchical Mergers. Astrophysical Journal, 2004, 606, 635-653.	1.6	58
101	A Chandra Study of the Effects of a Major Merger on the Structure of A2319. Astrophysical Journal, 2004, 604, 604-613.	1.6	25
102	Chandra Observation of the Merging Cluster A168: A Late Stage in the Evolution of a Cold Front. Astrophysical Journal, 2004, 610, L81-L84.	1.6	54
103	Chandra Temperature Maps for Galaxy Clusters with Radio Halos. Astrophysical Journal, 2004, 605, 695-708.	1.6	150
104	Observations of A4059 with Chandra, Hubble Space Telescope, and the Very Large Array: Unraveling a Complex Cluster/Radio Galaxy Interaction. Astrophysical Journal, 2004, 606, 185-195.	1.6	38
105	A Chandra Study of the Core of the Nearby Cluster A576. Astrophysical Journal, 2004, 607, 220-225.	1.6	11
106	Four years of operation of the Chandra X-Ray Observatory. , 2004, , .		1
107	A Chandra X-ray Observation of A1991: The Late Stages of Infall?. Astrophysical Journal, 2004, 613, 180-188.	1.6	16
108	An Unusual Discontinuity in the X-ray Surface Brightness Profile of NGC 507: Evidence of an Abundance Gradient?. Astrophysical Journal, 2004, 601, 221-227.	1.6	35

#	ARTICLE	IF	CITATIONS
109	Magnetohydrodynamic Simulations of the Formation of Cold Fronts in Clusters of Galaxies Including Heat Conduction. <i>Astrophysical Journal</i> , 2004, 606, L105-L108.	1.6	35
110	A Direct Method for Measuring Heat Conductivity in Intracluster Medium. <i>Astrophysical Journal</i> , 2005, 625, 741-747.	1.6	5
111	Hydrodynamic Simulations of a Moving Substructure in a Cluster of Galaxies: Cold Fronts and Turbulence Generation. <i>Astrophysical Journal</i> , 2005, 629, 791-796.	1.6	67
112	Strong $\gamma$ -Lensing Analysis of A1689 from Deep Advanced Camera Images. <i>Astrophysical Journal</i> , 2005, 621, 53-88.	1.6	287
113	The Off $\gamma$ -Axis Galaxy Cluster Merger A115. <i>Astrophysical Journal</i> , 2005, 619, 161-168.	1.6	33
114	Constraints on Intracluster Gas Bulk Motions in Clusters of Galaxies with ASCA. <i>Astrophysical Journal, Supplement Series</i> , 2005, 161, 224-239.	3.0	20
115	Cluster Mergers, Core Oscillations, and Cold Fronts. <i>Astrophysical Journal</i> , 2005, 618, 227-236.	1.6	78
116	Infall of the Elliptical Galaxy NGC 1404 into the Fornax Cluster. <i>Astrophysical Journal</i> , 2005, 621, 663-672.	1.6	84
117	Mergers and Non-Thermal Processes in Clusters. <i>Highlights of Astronomy</i> , 2005, 13, 291-295.	0.0	1
118	The Chandra Fornax Survey. I. The Cluster Environment. <i>Astrophysical Journal</i> , 2005, 633, 154-164.	1.6	46
119	Multi-fluid shocks in clusters of galaxies: Entropy, $\Gamma$ , $M$ and $L$ scalings. <i>Advances in Space Research</i> , 2005, 36, 738-746.	1.2	11
120	Non-thermal emission from the intracluster medium. <i>Advances in Space Research</i> , 2005, 36, 729-737.	1.2	31
121	Three-dimensional MHD simulations of X-ray emitting subcluster plasmas in cluster of galaxies. <i>Advances in Space Research</i> , 2005, 36, 636-642.	1.2	29
122	Chandra observations of the central cool region of galaxy clusters. <i>Advances in Space Research</i> , 2005, 36, 605-610.	1.2	0
123	A Chandra observation of the disturbed cluster core of Abell 2204. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 1022-1028.	1.6	43
124	On the formation of cold fronts in massive mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 357, 801-818.	1.6	33
125	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.	1.6	232
126	Non-thermal X-rays, a high-abundance ridge and fossil bubbles in the core of the Perseus cluster of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 133-140.	1.6	79



#	ARTICLE	IF	CITATIONS
127	A deep Chandra observation of the Centaurus cluster: bubbles, filaments and edges. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 360, L20-L24.	1.2	91
128	Merging clusters of galaxies observed with XMM-Newton. Advances in Space Research, 2005, 36, 630-635.	1.2	13
129	Turbulence generation by substructure motion in clusters of galaxies. Advances in Space Research, 2005, 36, 626-629.	1.2	4
130	Tracing the X-ray emitting intra-cluster medium of clusters of galaxies beyond $z_{200}$ . Astronomy and Astrophysics, 2005, 439, 465-477.	2.1	41
131	An XMM-Newton view of the cluster of galaxies Abell 85. Astronomy and Astrophysics, 2005, 432, 809-821.	2.1	91
132	XMM-Newton Observation of IC 310 in the Outer Region of the Perseus Cluster of Galaxies. Publication of the Astronomical Society of Japan, 2005, 57, 743-749.	1.0	15
133	Chandra Temperature Profiles for a Sample of Nearby Relaxed Galaxy Clusters. Astrophysical Journal, 2005, 628, 655-672.	1.6	437
134	XMM-Newton spectroscopy of the cluster of galaxies 2A 0335+096. Astronomy and Astrophysics, 2006, 449, 475-491.	2.1	69
135	Absolute Measurement of the Unresolved Cosmic X-ray Background in the 0.5–8 keV Band with Chandra. Astrophysical Journal, 2006, 645, 95-114.	1.6	296
136	Deep 1.4 GHz Very Large Array Observations of the Radio Halo and Relic in Abell 2256. Astronomical Journal, 2006, 131, 2900-2912.	1.9	117
137	LX-T Relation and Related Properties of Galaxy Clusters. Astrophysical Journal, 2006, 640, 673-690.	1.6	27
138	Chandra Observations of Nuclear Outflows in the Elliptical Galaxy NGC 4552 in the Virgo Cluster. Astrophysical Journal, 2006, 648, 947-955.	1.6	58
139	The Complex X-ray Morphology of NGC 7618: A Major Group-Group Merger in the Local Universe?. Astrophysical Journal, 2006, 640, 762-767.	1.6	21
140	The Origin of Cold Fronts in the Cores of Relaxed Galaxy Clusters. Astrophysical Journal, 2006, 650, 102-127.	1.6	273
141	XMM-Newton Observes Cl J0152.7+1357: A Massive Galaxy Cluster Forming at Merger Crossroads at $z=0.83$ . Astrophysical Journal, 2006, 640, 219-227.	1.6	24
142	Chandra Observations of Gas Stripping in the Elliptical Galaxy NGC 4552 in the Virgo Cluster. Astrophysical Journal, 2006, 644, 155-166.	1.6	69
143	Determination of the Cosmic Distance Scale from Sunyaev-Zeldovich Effect and Chandra X-ray Measurements of High-Redshift Galaxy Clusters. Astrophysical Journal, 2006, 647, 25-54.	1.6	292
144	Isothermal shocks in Abell 2199 and 2A 0335+096?. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 371, L65-L69.	1.2	26

#	ARTICLE	IF	CITATIONS
145	A very deep Chandra observation of the Perseus cluster: shocks, ripples and conduction. Monthly Notices of the Royal Astronomical Society, 2006, 366, 417-428.	1.6	527
146	Galaxy orbits and the intracluster gas temperature in clusters. Monthly Notices of the Royal Astronomical Society, 2006, 370, 427-434.	1.6	22
147	Simulating galaxy clusters - I. Thermal and chemical properties of the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2006, 371, 548-568.	1.6	47
148	Magnetic draping of merging cores and radio bubbles in clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 373, 73-78.	1.6	113
149	The impact of mergers on relaxed X-ray clusters – I. Dynamical evolution and emergent transient structures. Monthly Notices of the Royal Astronomical Society, 2006, 373, 881-905.	1.6	239
150	A statistically selected Chandra sample of 20 galaxy clusters - I. Temperature and cooling time profiles. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1496-1508.	1.6	126
151	Effect of turbulent diffusion on iron abundance profiles. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1840-1850.	1.6	81
152	X-ray temperature spectroscopy of simulated cooling clusters. New Astronomy, 2006, 12, 71-93.	0.8	19
153	X-ray spectroscopy of cooling clusters. Physics Reports, 2006, 427, 1-39.	10.3	419
154	Chandra and XMM-Newton Observations of a Group of Galaxies, HCG 62. Publication of the Astronomical Society of Japan, 2006, 58, 719-742.	1.0	35
155	Chandra Observations of A 2670 and A 2107: A Comet Galaxy and cDs with Large Peculiar Velocities. Publication of the Astronomical Society of Japan, 2006, 58, 131-141.	1.0	20
156	Non-Uniform Temperature Distribution in the Galaxy Clusters 2A 0335+096 and Abell 496 Observed by XMM-Newton. Publication of the Astronomical Society of Japan, 2006, 58, 703-718.	1.0	18
157	Detailed XMM-Newton Observation of the Cluster of Galaxies Abell 1060. Publication of the Astronomical Society of Japan, 2006, 58, 695-702.	1.0	37
158	X-ray Constraints on Galaxy-Gas-Jet Interactions in the Dumbbell Galaxies NGC 4782 and NGC 4783 in the LGG 316 Galaxy Group. Astrophysical Journal, 2007, 664, 804-819.	1.6	12
159	Saturation of the Magnetothermal Instability in Three Dimensions. Astrophysical Journal, 2007, 664, 135-148.	1.6	62
160	Three-dimensional Magnetohydrodynamic Simulations of Cold Fronts in Magnetically Turbulent ICM. Astrophysical Journal, 2007, 663, 816-823.	1.6	52
161	The Cluster-Merger Shock in 1E 0657-56: Faster than a Speeding Bullet?. Astrophysical Journal, 2007, 661, L131-L134.	1.6	53
162	Smoothed Particle Inference: A Kilo-Parametric Method for X-ray Galaxy Cluster Modeling. Astrophysical Journal, 2007, 655, 109-127.	1.6	22

#	ARTICLE	IF	CITATIONS
163	The Virial Mass Function of Nearby SDSS Galaxy Clusters. <i>Astrophysical Journal</i> , 2007, 657, 183-196.	1.6	48
164	Application of an XMM-Newton EPIC Monte Carlo Technique to Analysis and Interpretation of Data for the Abell 1689, RX J0658+55, and Centaurus Clusters of Galaxies. <i>Astrophysical Journal</i> , 2007, 670, 1010-1026.	1.6	12
165	Different Methods of Forming Cold Fronts in Nonmerging Clusters. <i>Astrophysical Journal</i> , 2007, 671, 181-189.	1.6	43
166	A cluster in a crowded environment: XMM-Newton and Chandra observations of A3558. <i>Astronomy and Astrophysics</i> , 2007, 463, 839-851.	2.1	45
167	Shocks and cold fronts in galaxy clusters. <i>Physics Reports</i> , 2007, 443, 1-53.	10.3	548
168	On the width of cold fronts in clusters of galaxies due to conduction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 1325-1332.	1.6	20
169	Observations of Extended Radio Emission in Clusters. <i>Space Science Reviews</i> , 2008, 134, 93-118.	3.7	276
170	Measuring the non-thermal pressure in early-type galaxy atmospheres: a comparison of X-ray and optical potential profiles in M87 and NGC 1399. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1062-1078.	1.6	131
171	The impact of mergers on relaxed X-ray clusters - III. Effects on compact cool cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 1163-1175.	1.6	65
172	Suzaku Observation of the Ophiuchus Galaxy Cluster: One of the Hottest Cool Core Clusters. <i>Publication of the Astronomical Society of Japan</i> , 2008, 60, 1133-1142.	1.0	51
173	Subaru Weak Lensing Study of Seven Merging Clusters: Distributions of Mass and Baryons. <i>Publication of the Astronomical Society of Japan</i> , 2008, 60, 345-375.	1.0	147
174	MUSTANG: 90 GHz science with the Green Bank Telescope. <i>Proceedings of SPIE</i> , 2008, , .	0.8	23
175	Images, Structural Properties, and Metal Abundances of Galaxy Clusters Observed with Chandra ACIS-I at 0.1 <math>z</math> <math>1.3</math>. <i>Astrophysical Journal, Supplement Series</i> , 2008, 174, 117-135.	3.0	230
176	A Deep Chandra Observation of Abell 4059: A New Face to "Radio" AGN Feedback?. <i>Astrophysical Journal</i> , 2008, 679, 1181-1191.	1.6	22
177	Trouble for AGN Feedback? The Puzzle of the Core of the Galaxy Cluster AWM 4. <i>Astrophysical Journal</i> , 2008, 673, L17-L20.	1.6	13
178	Extracting Galaxy Cluster Gas Inhomogeneity from X-Ray Surface Brightness: A Statistical Approach and Application to Abell 3667. <i>Astrophysical Journal</i> , 2008, 687, 936-950.	1.6	17
179	Active galactic nuclei and massive galaxy cores. <i>Astronomy and Astrophysics</i> , 2008, 479, 123-129.	2.1	50
180	A HIGH FIDELITY SAMPLE OF COLD FRONT CLUSTERS FROM THE CHANDRA ARCHIVE. <i>Astrophysical Journal</i> , 2009, 704, 1349-1370.	1.6	91

#	ARTICLE	IF	CITATIONS
181	ABELL 1201: THE ANATOMY OF A COLD FRONT CLUSTER FROM COMBINED OPTICAL AND X-RAY DATA. <i>Astrophysical Journal</i> , 2009, 692, 702-722.	1.6	25
182	GALAXY CLUSTERS IN THE <i>SWIFT</i> /BURST ALERT TELESCOPE ERA: HARD X-RAYS IN THE INTRACLUSTER MEDIUM. <i>Astrophysical Journal</i> , 2009, 690, 367-388.	1.6	83
183	Testing the radio halo-cluster merger scenario. <i>Astronomy and Astrophysics</i> , 2009, 505, 45-53.	2.1	23
184	MERGING COLD FRONTS IN THE GALAXY PAIR NGC 7619 AND NGC 7626. <i>Astrophysical Journal</i> , 2009, 696, 1431-1440.	1.6	28
185	CHARACTERIZING THE PROPERTIES OF CLUSTERS OF GALAXIES AS A FUNCTION OF LUMINOSITY AND REDSHIFT. <i>Astrophysical Journal</i> , 2009, 696, 1029-1050.	1.6	24
186	ON THE ORIGIN OF COOL CORE GALAXY CLUSTERS: COMPARING X-RAY OBSERVATIONS WITH NUMERICAL SIMULATIONS. <i>Astrophysical Journal</i> , 2009, 697, 1597-1620.	1.6	18
187	MASS AND HOT BARYONS IN MASSIVE GALAXY CLUSTERS FROM SUBARU WEAK-LENSING AND AMiBA SUNYAEV-ZEL'DOVICH EFFECT OBSERVATIONS. <i>Astrophysical Journal</i> , 2009, 694, 1643-1663.	1.6	99
188	NoSOCS in SDSS - I. Sample definition and comparison of mass estimates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 135-152.	1.6	42
189	A statistically selected <i>Chandra</i> sample of 20 galaxy clusters - II. Gas properties and cool core/non-cool core bimodality. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 764-776.	1.6	78
190	Constraints on turbulent pressure in the X-ray haloes of giant elliptical galaxies from resonant scattering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 23-32.	1.6	94
191	The relationship between substructure in 2D X-ray surface brightness images and weak-lensing mass maps of galaxy clusters: a simulation study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 705-730.	1.6	7
192	THE YUAN-TSEH LEE ARRAY FOR MICROWAVE BACKGROUND ANISOTROPY. <i>Astrophysical Journal</i> , 2009, 694, 1610-1618.	1.6	35
193	RADIATIVE AND DYNAMIC STABILITY OF A DILUTE PLASMA. <i>Astrophysical Journal Letters</i> , 2010, 720, L97-L101.	3.0	25
194	THE PROPERTIES OF X-RAY COLD FRONTS IN A STATISTICAL SAMPLE OF SIMULATED GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2010, 725, 1053-1068.	1.6	10
195	AMiBA: SCALING RELATIONS BETWEEN THE INTEGRATED COMPTON- $\gamma$ AND X-RAY-DERIVED TEMPERATURE, MASS, AND LUMINOSITY. <i>Astrophysical Journal</i> , 2010, 716, 758-765.	1.6	14
196	Cold fronts in galaxy clusters. <i>Astronomy and Astrophysics</i> , 2010, 516, A32.	2.1	90
197	What is a cool-core cluster? a detailed analysis of the cores of the X-ray flux-limited <i>HIFLUGCS</i> cluster sample. <i>Astronomy and Astrophysics</i> , 2010, 513, A37.	2.1	321
198	CORE GAS SLOSHING IN ABELL 1644. <i>Astrophysical Journal</i> , 2010, 710, 1776-1785.	1.6	42

#	ARTICLE	IF	CITATIONS
199	<i>XMM-NEWTON</i> OBSERVATION OF THE NORTHWEST RADIO RELIC REGION IN A3667. <i>Astrophysical Journal</i> , 2010, 715, 1143-1151.	1.6	133
200	DYNAMICS AND MAGNETIZATION IN GALAXY CLUSTER CORES TRACED BY X-RAY COLD FRONTS. <i>Astrophysical Journal Letters</i> , 2010, 719, L74-L78.	3.0	42
201	CONSTRAINING THE OUTBURST PROPERTIES OF THE SMBH IN FORNAX A THROUGH X-RAY, INFRARED, AND RADIO OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 721, 1702-1713.	1.6	40
202	Cold fronts by merging of shocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 408, 199-212.	1.6	24
203	The Sunyaev-Zel'dovich effect in <i>Wilkinson Microwave Anisotropy Probe</i> data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1179-1194.	1.6	22
204	The X-ray luminous cluster underlying the bright radio-quiet quasar H1821+643. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1561-1579.	1.6	63
205	A joint <i>Chandra</i> and <i>XMM-Newton</i> view of Abell 3158: a massive off-centre cool gas clump as a robust diagnostic of a merger stage. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 1909-1918.	1.6	8
206	Chandra observation of two shock fronts in the merging galaxy cluster Abell 2146. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	51
207	THE AXIS RATIO DISTRIBUTION OF X-RAY CLUSTERS OBSERVED BY <i>XMM-NEWTON</i>. <i>Astrophysical Journal</i> , 2010, 719, 1926-1931.	1.6	32
208	A SHOCK FRONT IN THE MERGING GALAXY CLUSTER A754: X-RAY AND RADIO OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 728, 82.	1.6	122
209	SDSS DR7 superclusters. <i>Astronomy and Astrophysics</i> , 2011, 532, A5.	2.1	44
210	Merging history of three bimodal clusters. <i>Astronomy and Astrophysics</i> , 2011, 525, A79.	2.1	26
212	MINOR MERGER-INDUCED COLD FRONTS IN ABELL 2142 AND RXJ1720.1+2638. <i>Astrophysical Journal</i> , 2011, 741, 122.	1.6	64
213	SUZAKU OBSERVATION OF A NEW MERGING GROUP OF GALAXIES AT A FILAMENTARY JUNCTION. <i>Astrophysical Journal Letters</i> , 2011, 727, L38.	3.0	8
214	X-RAY EMISSION FROM THE SOMBRERO GALAXY: A GALACTIC-SCALE OUTFLOW. <i>Astrophysical Journal</i> , 2011, 730, 84.	1.6	37
215	Gas sloshing, cold front formation and metal redistribution: the Virgo cluster as a quantitative test case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 2057-2077.	1.6	111
216	X-Ray Study of the Outer Region of Abell 2142 with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2011, 63, S1019-S1033.	1.0	70
217	Suzaku Observation of Nearby On-Going Merger Cluster Abell 3627. <i>Publication of the Astronomical Society of Japan</i> , 2012, 64, 16.	1.0	7

#	ARTICLE	IF	CITATIONS
218	Dominance of magnetic cataclysmic variables in the resolved Galactic ridge X-ray emission of the limiting window. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1633-1650.	1.6	34
219	ABELL 1201: A MINOR MERGER AT SECOND CORE PASSAGE. <i>Astrophysical Journal</i> , 2012, 752, 139.	1.6	11
220	SLOSHING GAS IN THE CORE OF THE MOST LUMINOUS GALAXY CLUSTER RXJ1347.5-1145. <i>Astrophysical Journal</i> , 2012, 751, 95.	1.6	29
221	THE CHANDRA VIEW OF THE LARGEST QUASAR LENS SDSS J1029+2623. <i>Astrophysical Journal</i> , 2012, 758, 26.	1.6	12
222	LARGE-SCALE MOTIONS IN THE PERSEUS GALAXY CLUSTER. <i>Astrophysical Journal</i> , 2012, 757, 182.	1.6	64
223	Gas sloshing, cold fronts, Kelvin-Helmholtz instabilities and the merger history of the cluster of galaxies Abell 496. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 3632-3648.	1.6	66
224	The duty cycle of radio-mode feedback in complete samples of clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 3468-3488.	1.6	85
225	Multimodality of rich clusters from the SDSS DR8 within the supercluster-void network. <i>Astronomy and Astrophysics</i> , 2012, 542, A36.	2.1	41
226	IRREGULAR SLOSHING COLD FRONTS IN THE NEARBY MERGING GROUPS NGC 7618 AND UGC 12491: EVIDENCE FOR KELVIN-HELMHOLTZ INSTABILITIES. <i>Astrophysical Journal</i> , 2012, 754, 147.	1.6	31
227	Fast simulations of gas sloshing and cold front formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 1338-1349.	1.6	22
228	Shock fronts, electron-ion equilibration and intracluster medium transport processes in the merging cluster Abell 2146. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 236-255.	1.6	79
229	Substructure and dynamical state of 2092 rich clusters of galaxies derived from photometric data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 275-293.	1.6	81
230	KELVIN-HELMHOLTZ INSTABILITIES AT THE SLOSHING COLD FRONTS IN THE VIRGO CLUSTER AS A MEASURE FOR THE EFFECTIVE INTRACLUSTER MEDIUM VISCOSITY. <i>Astrophysical Journal</i> , 2013, 764, 60.	1.6	51
231	Pre-processing and post-processing in group cluster mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 2713-2735.	1.6	85
232	DISCOVERY OF A GIANT RADIO HALO IN A NEW PLANCK GALAXY CLUSTER PLCKG171.9+40.7. <i>Astrophysical Journal</i> , 2013, 766, 18.	1.6	17
233	MAGNETOHYDRODYNAMIC SIMULATIONS OF THE FORMATION OF COLD FRONTS IN CLUSTERS OF GALAXIES: EFFECTS OF ANISOTROPIC VISCOSITY. <i>Astrophysical Journal</i> , 2013, 768, 175.	1.6	19
234	DEEP CHANDRA OBSERVATIONS OF A2199: THE INTERPLAY BETWEEN MERGER-INDUCED GAS MOTIONS AND NUCLEAR OUTBURSTS IN A COOL CORE CLUSTER. <i>Astrophysical Journal</i> , 2013, 775, 117.	1.6	30
235	THE BURST CLUSTER: DARK MATTER IN A CLUSTER MERGER ASSOCIATED WITH THE SHORT GAMMA-RAY BURST, GRB 050509B. <i>Astrophysical Journal</i> , 2013, 772, 23.	1.6	9

#	ARTICLE	IF	CITATIONS
236	Viscous Kelvin-Helmholtz instabilities in highly ionized plasmas. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1721-1740.	1.6	42
237	Metal jumps across sloshing cold fronts: The case of A 496. Astronomische Nachrichten, 2013, 334, 422-425.	0.6	9
238	GALAXY AND MASS ASSEMBLY (GAMA): WITNESSING THE ASSEMBLY OF THE CLUSTER ABELL 1882. Astrophysical Journal, 2013, 772, 104.	1.6	15
239	DISCOVERY OF MEGAPARSEC-SCALE, LOW SURFACE BRIGHTNESS NONTHERMAL EMISSION IN MERGING GALAXY CLUSTERS USING THE GREEN BANK TELESCOPE. Astrophysical Journal, 2013, 779, 189.	1.6	51
240	MEASURING THE MASS DISTRIBUTION IN GALAXY CLUSTERS. Astrophysical Journal, 2013, 764, 58.	1.6	58
241	Radio emission at the centre of the galaxy cluster Abell 3560: evidence for core sloshing?. Astronomy and Astrophysics, 2013, 558, A146.	2.1	13
242	Abell 2142 at large scales: An extreme case for sloshing?. Astronomy and Astrophysics, 2013, 556, A44.	2.1	81
243	Mass, velocity anisotropy, and pseudo phase-space density profiles of Abell 2142. Astronomy and Astrophysics, 2014, 566, A68.	2.1	46
244	The stripping of a galaxy group diving into the massive cluster A2142. Astronomy and Astrophysics, 2014, 570, A119.	2.1	70
245	Metal distribution in the intracluster medium: a comprehensive numerical study of twelve galaxy clusters. Astronomy and Astrophysics, 2014, 569, A31.	2.1	5
246	A MERGER SHOCK IN A2034. Astrophysical Journal, 2014, 780, 163.	1.6	27
247	The bow shock, cold fronts and disintegrating cool core in the merging galaxy group RX J0751.3+5012. Monthly Notices of the Royal Astronomical Society, 2014, 444, 629-641.	1.6	22
248	Strong Magnetization Measured in the Cool Cores of Galaxy Clusters. Physical Review Letters, 2014, 113, 071302.	2.9	11
249	Highlights and discoveries from the Chandra X-ray Observatory. Reports on Progress in Physics, 2014, 77, 066902.	8.1	29
250	OFFSETS BETWEEN THE X-RAY AND THE SUNYAEV-ZEL'DOVICH-EFFECT PEAKS IN MERGING GALAXY CLUSTERS AND THEIR COSMOLOGICAL IMPLICATIONS. Astrophysical Journal, 2014, 796, 138.	1.6	21
251	HOW MUCH CAN WE LEARN FROM A MERGING COLD FRONT CLUSTER? INSIGHTS FROM X-RAY TEMPERATURE AND RADIO MAPS OF A3667. Astrophysical Journal, 2014, 793, 80.	1.6	19
252	The impact of sloshing on the intragroup medium and old radio lobe of NGC 5044. Monthly Notices of the Royal Astronomical Society, 2014, 437, 730-739.	1.6	25
253	The Chandra X-ray galaxy clusters at $z < 1.4$ : constraints on the evolution of $L_X - T_{500} - M_g$ relations. Astrophysics and Space Science, 2014, 349, 415-421.	0.5	15



#	ARTICLE	IF	CITATIONS
254	CONSTRAINED SIMULATION OF THE BULLET CLUSTER. <i>Astrophysical Journal</i> , 2014, 787, 144.	1.6	43
255	The growth of the galaxy cluster Abell 85: mergers, shocks, stripping and seeding of clumping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 2971-2986.	1.6	67
256	Another shock for the Bullet cluster, and the source of seed electrons for radio relics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1486-1494.	1.6	96
257	Unusual A2142 supercluster with a collapsing core: distribution of light and mass. <i>Astronomy and Astrophysics</i> , 2015, 580, A69.	2.1	26
258	Cosmology and astrophysics from relaxed galaxy clusters – I. Sample selection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 199-219.	1.6	86
259	Structures and Components in Galaxy Clusters: Observations and Models. <i>Space Science Reviews</i> , 2015, 188, 141-185.	3.7	24
260	THE EFFECT OF ANISOTROPIC VISCOSITY ON COLD FRONTS IN GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2015, 798, 90.	1.6	51
261	CHANDRA AND XMM-NEWTON OBSERVATIONS OF THE MERGING CLUSTER OF GALAXIES PLCK G036.7+14.9. <i>Astrophysical Journal</i> , 2015, 804, 129.	1.6	2
262	SEARCHING FOR BULK MOTIONS IN THE INTRACLUSTER MEDIUM OF MASSIVE, MERGING CLUSTERS WITH CHANDRA CCD DATA. <i>Astrophysical Journal</i> , 2016, 821, 29.	1.6	18
263	Thermodynamic perturbations in the X-ray halo of 33 clusters of galaxies observed with Chandra ACIS. <i>Astronomy and Astrophysics</i> , 2016, 585, A130.	2.1	53
264	X-ray observations of a subhalo associated with the NGC 4839 group infalling toward the Coma cluster. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	1.0	7
265	Detail studies of the physical properties in the outer regions of galaxy clusters using Suzaku observations. <i>Astronomy Reports</i> , 2016, 60, 542-562.	0.2	5
266	A textbook example of ram-pressure stripping in the Hydra A/A780 cluster. <i>Astronomy and Astrophysics</i> , 2016, 592, A154.	2.1	31
267	THE MERGING GALAXY CLUSTER A520 – A BROKEN-UP COOL CORE, A DARK SUBCLUSTER, AND AN X-RAY CHANNEL. <i>Astrophysical Journal</i> , 2016, 833, 99.	1.6	30
268	NUMERICAL SIMULATIONS CHALLENGED ON THE PREDICTION OF MASSIVE SUBHALO ABUNDANCE IN GALAXY CLUSTERS: THE CASE OF ABELL 2142. <i>Astrophysical Journal Letters</i> , 2016, 827, L5.	3.0	17
269	Cold fronts: probes of plasma astrophysics in galaxy clusters. <i>Journal of Plasma Physics</i> , 2016, 82, .	0.7	51
270	The XMM Cluster Outskirts Project (X-COP): Physical conditions of Abell 2142 up to the virial radius. <i>Astronomy and Astrophysics</i> , 2016, 595, A42.	2.1	51
271	Polarization of thermal bremsstrahlung emission due to electron pressure anisotropy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2162-2173.	1.6	3



#	ARTICLE	IF	CITATIONS
272	The role of penetrating gas streams in setting the dynamical state of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 412-432.	1.6	30
273	Thermal conduction in a mirror-unstable plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 467-477.	1.6	36
274	Applications for edge detection techniques using <i>Chandra</i> and <i>XMM</i> $\nu$ <i>Newton</i> data: galaxy clusters and beyond. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 684-697.	1.6	21
275	Shocking features in the merging galaxy cluster RXJ0334.2 $\nu$ 0111. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 681-694.	1.6	28
276	Search for gas bulk motions in eight nearby clusters of galaxies with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	1.0	15
277	Deep Chandra observation and numerical studies of the nearest cluster cold front in the sky. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 846-858.	1.6	38
278	Embedded Spiral Patterns in the Cool Core of the Massive Cluster of Galaxies Abell 1835. <i>Astrophysical Journal</i> , 2017, 837, 34.	1.6	14
279	Occurrence of Radio Minihalos in a Mass-limited Sample of Galaxy Clusters. <i>Astrophysical Journal</i> , 2017, 841, 71.	1.6	73
280	Gas Sloshing in Abell 2204: Constraining the Properties of the Magnetized Intracluster Medium. <i>Astrophysical Journal</i> , 2017, 838, 38.	1.6	9
281	Evolution of vorticity and enstrophy in the intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3212-3225.	1.6	27
282	Witnessing the growth of the nearest galaxy cluster: thermodynamics of the Virgo Cluster outskirts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1476-1495.	1.6	61
283	Is there a giant Kelvin-Helmholtz instability in the sloshing cold front of the Perseus cluster?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 2506-2516.	1.6	50
284	The two-component giant radio halo in the galaxy cluster Abell 2142. <i>Astronomy and Astrophysics</i> , 2017, 603, A125.	2.1	45
285	Polarization of Sunyaev-Zel'dovich signal due to electron pressure anisotropy in galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2389-2400.	1.6	2
286	The split in the ancient cold front in the Perseus cluster. <i>Nature Astronomy</i> , 2018, 2, 292-296.	4.2	34
287	SDSS-IV MaNGA: the spatial distribution of star formation and its dependence on mass, structure, and environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 580-600.	1.6	48
288	An off-axis galaxy cluster merger: Abell 0141. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2870-2877.	1.6	10
289	The Megaparsec-scale Gas-sloshing Spiral in the Remnant Cool Core Cluster Abell 1763. <i>Astrophysical Journal</i> , 2018, 868, 121.	1.6	19

#	ARTICLE	IF	CITATIONS
290	Inside a Beehive: The Multiple Merging Processes in the Galaxy Cluster Abell 2142. <i>Astrophysical Journal</i> , 2018, 863, 102.	1.6	21
291	Supercluster A2142 and collapse in action: infalling and merging groups and galaxy transformations. <i>Astronomy and Astrophysics</i> , 2018, 620, A149.	2.1	14
292	The kinematics of cluster galaxies via velocity dispersion profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1507-1521.	1.6	11
293	The Gemini/Hubble Space Telescope Galaxy Cluster Project: Stellar Populations in the Low-redshift Reference Cluster Galaxies. <i>Astronomical Journal</i> , 2018, 156, 224.	1.9	6
294	A Deep X-Ray Look at Abell 2142: Viscosity Constraints From Kelvin-Helmholtz Eddies, a Displaced Cool Peak That Makes a Warm Core, and A Possible Plasma Depletion Layer. <i>Astrophysical Journal</i> , 2018, 868, 45.	1.6	16
295	Infalling groups and galaxy transformations in the cluster A2142. <i>Astronomy and Astrophysics</i> , 2018, 610, A82.	2.1	20
296	Shocks and cold fronts in merging and massive galaxy clusters: new detections with Chandra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 5591-5620.	1.6	47
297	Temperature structure in the Perseus cluster core observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	20
298	Cold fronts and shocks formed by gas streams in galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 56-70.	1.6	23
299	Properties of Merger Shocks in Merging Galaxy Clusters. <i>Astrophysical Journal</i> , 2018, 857, 26.	1.6	70
300	Self-inhibiting thermal conduction in a high-, whistler-unstable plasma. <i>Journal of Plasma Physics</i> , 2018, 84, .	0.7	44
301	Chandra observation of a cold front in Abell 2554. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2917-2924.	1.6	2
302	Expanding the Sample of Radio Minihalos in Galaxy Clusters. <i>Astrophysical Journal</i> , 2019, 880, 70.	1.6	36
303	Extended Radio Structures and a Compact X-Ray Cool-core in the Cluster Source PKS 1353+341. <i>Astrophysical Journal</i> , 2019, 875, 108.	1.6	3
304	Physical properties of the X-ray gas as a dynamical diagnosis for galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2807-2830.	1.6	20
305	A pre-merger stage galaxy cluster: Abell 3733. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4550-4558.	1.6	2
306	X-ray scaling relations from a complete sample of the richest maxBCG clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	12
307	Cavities, shocks and a cold front around 3C 320. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1981-1989.	1.6	16

#	ARTICLE	IF	CITATIONS
308	Merging cold front and AGN feedback in the peculiar galaxy cluster Abell 2626. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4113-4126.	1.6	9
309	Constraining Gas Motions in the Intra-Cluster Medium. Space Science Reviews, 2019, 215, 1.	3.7	49
310	Sloshing of Galaxy Cluster Core Plasma in the Presence of Self-interacting Dark Matter. Astrophysical Journal, 2019, 882, 119.	1.6	8
311	Deprojecting galaxy-cluster cold fronts: evidence for bulk, magnetized spiral flows. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4392-4418.	1.6	5
312	LOFAR observations of X-ray cavity systems. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2613-2635.	1.6	32
313	Chandra Observations of Abell 2261 Brightest Cluster Galaxy, a Candidate Host to a Recoiling Black Hole. Astrophysical Journal, 2021, 906, 48.	1.6	7
314	A Chandra study of Abell 795 – a sloshing cluster with an FRO radio galaxy at its centre. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4627-4645.	1.6	15
315	Radio halos in a mass-selected sample of 75 galaxy clusters. Astronomy and Astrophysics, 2021, 647, A51.	2.1	36
316	Substructures in the core of Abell 2319. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2800-2810.	1.6	6
317	Jets from MRC 0600-399 bent by magnetic fields in the cluster Abell 3376. Nature, 2021, 593, 47-50.	13.7	16
318	Evolution of splashback boundaries and gaseous outskirts: insights from mergers of self-similar galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 506, 839-863.	1.6	10
319	The Merger Dynamics of the Galaxy Cluster A1775: New Insights from Chandra and XMM-Newton for a Cluster Simultaneously Hosting a Wide-angle Tail and a Narrow-angle Tail Radio Source. Astrophysical Journal, 2021, 913, 8.	1.6	4
320	An extreme case of galaxy and cluster co-evolution at $z \approx 0.7$ . Monthly Notices of the Royal Astronomical Society, 2021, 508, 3663-3671.	1.6	2
321	The Physics of Cluster Mergers. , 2002, , 1-38.		90
322	High Angular Resolution Cluster Observations with Chandra. , 2002, , 109-132.		4
323	Diffuse Radio Sources and Cluster Mergers. , 2002, , 197-227.		44
324	Mergers of Galaxy Clusters in Numerical Simulations. , 2002, , 229-251.		13
325	Observations of Extended Radio Emission in Clusters. , 2008, , 93-118.		2

#	ARTICLE	IF	CITATIONS
326	Gas Dynamics in Clusters of Galaxies. , 2008, , 1-30.		4
327	Clusters of Galaxies in the Radio: Relativistic Plasma and ICM/Radio Galaxy Interaction Processes. , 2008, , 143-176.		33
328	Cosmological Parameters from Galaxy Clusters: An Introduction. Lecture Notes in Physics, 2007, , 125-156.	0.3	3
329	Cold Fronts in Cool Core Clusters. , 2007, , 33-38.		2
330	Rotation measures of radio sources in hot galaxy clusters. Astronomy and Astrophysics, 2010, 522, A105.	2.1	68
331	A radio minihalo in the extreme cool-core galaxy cluster RXCâ€™%J1504.1â€™“0248. Astronomy and Astrophysics, 2011, 525, L10.	2.1	38
332	Metal distribution in sloshing galaxy clusters: the case of A496. Astronomy and Astrophysics, 2014, 570, A117.	2.1	31
333	Discovery of large scale shock fronts correlated with the radio halo and radio relic in the A2163 galaxy cluster. Astronomy and Astrophysics, 2018, 619, A68.	2.1	6
334	Multiscale cosmic web detachments, connectivity, and preprocessing in the supercluster SCl A2142 cocoon. Astronomy and Astrophysics, 2020, 641, A172.	2.1	25
335	The new emerging model for the structure of cooling cores in clusters of galaxies. Astronomy and Astrophysics, 2002, 382, 804-820.	2.1	153
336	A wide-field spectroscopic survey of the cluster of galaxies Cl0024+1654. Astronomy and Astrophysics, 2002, 386, 31-41.	2.1	77
337	On the iron content in rich nearby clusters of galaxies. Astronomy and Astrophysics, 2004, 419, 7-18.	2.1	167
338	AnXMM-Newtonobservation of the dynamically active binary cluster A1750. Astronomy and Astrophysics, 2004, 415, 821-838.	2.1	44
339	Dynamical state and star formation properties of the merging galaxy cluster Abell 3921. Astronomy and Astrophysics, 2005, 430, 19-38.	2.1	59
340	Chandra observation of the multiple merger cluster Abell 521. Astronomy and Astrophysics, 2006, 446, 417-428.	2.1	37
341	X-ray detection of the proto supermassive binary black hole at the centre of Abell 400. Astronomy and Astrophysics, 2006, 453, 433-446.	2.1	66
342	Temperature structure of the intergalactic medium within seven nearby and bright clusters of galaxies observed with XMM-Newton. Astronomy and Astrophysics, 2008, 479, 307-320.	2.1	71
343	Evidence of unrelaxed IGM around IC 1262. Astronomy and Astrophysics, 2007, 463, 153-164.	2.1	9

#	ARTICLE	IF	CITATIONS
344	Buoyant bubbles in a cooling intracluster medium. <i>Astronomy and Astrophysics</i> , 2007, 464, 143-154.	2.1	20
345	Low heat conduction in white dwarf boundary layers?. <i>Astronomy and Astrophysics</i> , 2008, 483, 231-237.	2.1	4
346	The complex galaxy cluster Abell 514: New results obtained with the XMM-Newton satellite. <i>Astronomy and Astrophysics</i> , 2008, 490, 537-545.	2.1	3
347	The dynamical state of A548 from XMM-Newton data: X-ray and radio connection. <i>Astronomy and Astrophysics</i> , 2008, 484, 621-630.	2.1	10
348	Shock acceleration as origin of the radio relic in A $\epsilon$ 521?. <i>Astronomy and Astrophysics</i> , 2008, 486, 347-358.	2.1	109
349	Velocity Gradients in the Intracluster Gas of the Perseus Cluster. <i>Astrophysical Journal</i> , 2001, 547, 705-713.	1.6	32
350	Diffuse Gas and Low-Mass X-Ray Binaries in the Chandra Observation of the S0 Galaxy NGC 1553. <i>Astrophysical Journal</i> , 2001, 552, 106-119.	1.6	92
351	Chandra Observation of RX J1720.1+2638: a Nearly Relaxed Cluster with a Fast-Moving Core?. <i>Astrophysical Journal</i> , 2001, 555, 205-214.	1.6	116
352	FUSE Observations of Cooling-Flow Gas in the Galaxy Clusters A1795 and A2597. <i>Astrophysical Journal</i> , 2001, 560, 187-193.	1.6	49
353	1WGA J1226.9+3332: A High-Redshift Cluster Discovered by Chandra. <i>Astrophysical Journal</i> , 2001, 560, 86-91.	1.6	17
354	Merging Binary Clusters. <i>Astrophysical Journal</i> , 2001, 562, 254-265.	1.6	48
355	Preheating the Intracluster Medium in High-Resolution Simulations: The Effect on the Gas Entropy. <i>Astrophysical Journal</i> , 2001, 559, L71-L74.	1.6	80
356	A Chandra X-Ray Study of Cygnus A. III. The Cluster of Galaxies. <i>Astrophysical Journal</i> , 2002, 565, 195-207.	1.6	117
357	Nonhydrostatic Gas in the Core of the Relaxed Galaxy Cluster A1795. <i>Astrophysical Journal</i> , 2001, 562, L153-L156.	1.6	186
358	Nonthermal X-Ray Emission: An Alternative to Cluster Cooling Flows?. <i>Astrophysical Journal</i> , 2002, 567, 762-771.	1.6	6
359	Multiple Merging Events in the Double Cluster A3128/A3125. <i>Astronomical Journal</i> , 2002, 123, 1216-1246.	1.9	30
360	Chandra View of the Dynamically Young Cluster of Galaxies A1367. I. Small-Scale Structures. <i>Astrophysical Journal</i> , 2002, 576, 708-719.	1.6	25
361	Chandra Observations of A85: Merger of the South Subcluster. <i>Astrophysical Journal</i> , 2002, 579, 236-246.	1.6	74

#	ARTICLE	IF	CITATIONS
362	Chandra X-Ray Analysis of the Massive High-Redshift Galaxy Clusters Cl J1113.1+2615 and Cl J0152.7+1357. <i>Astrophysical Journal</i> , 2003, 587, 589-604.	1.6	66
363	Chandra Observations of the Galaxy Cluster A478: The Interaction of Hot Gas and Radio Plasma in the Core, and an Improved Determination of the Compton $\tau$ Parameter. <i>Astrophysical Journal</i> , 2003, 587, 619-624.	1.6	51
364	Constraints on the Cardassian Scenario from the Expansion Turnaround Redshift and the Sunyaev-Zeldovich/X-Ray Data. <i>Astrophysical Journal</i> , 2004, 602, 12-17.	1.6	42
365	Hot Gas Structure in the Elliptical Galaxy NGC 4472. <i>Astrophysical Journal</i> , 2004, 613, 238-246.	1.6	49
366	Models of the Intracluster Medium with Heating and Cooling: Explaining the Global and Structural X-Ray Properties of Clusters. <i>Astrophysical Journal</i> , 2004, 613, 811-830.	1.6	87
367	Star Formation, Radio Sources, Cooling X-Ray Gas, and Galaxy Interactions in the Brightest Cluster Galaxy in 2A0335+096. <i>Astronomical Journal</i> , 2007, 134, 14-25.	1.9	24
368	X-RAY CAVITIES, FILAMENTS, AND COLD FRONTS IN THE CORE OF THE GALAXY GROUP NGC 5044. <i>Astrophysical Journal</i> , 2009, 693, 43-55.	1.6	55
369	Pairs of giant shock waves ( $\langle i \rangle N \langle /i \rangle$ -waves) in merging galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1038-1045.	1.6	9
370	The Massive and Distant Clusters of WISE Survey. IX. High Radio Activity in a Merging Cluster. <i>Astrophysical Journal</i> , 2020, 898, 145.	1.6	6
371	POSSIBLE MERGER SIGNATURE IN SZ MAPS. <i>Journal of the Korean Astronomical Society</i> , 2004, 37, 471-476.	1.5	7
372	A GRADIENT-T SZE. <i>Journal of the Korean Astronomical Society</i> , 2004, 37, 543-546.	1.5	1
373	COLORS, AGES, AND METALLICITIES OF GALAXIES IN SIX NEARBY GALAXY CLUSTERS. <i>Journal of the Korean Astronomical Society</i> , 2008, 41, 109-119.	1.5	1
374	High-Resolution Simulations of Clusters of Galaxies. <i>Astrophysics and Space Science Library</i> , 2004, , 163-170.	1.0	0
375	GENERATION OF MAGNETIC FIELDS BY TEMPERATURE GRADIENTS. <i>Journal of the Korean Astronomical Society</i> , 2004, 37, 547-551.	1.5	7
376	Chemical Gradients in Galaxy Clusters and the Multiple Ways of Making a Cold Front. <i>Globular Clusters - Guides To Galaxies</i> , 2007, , 303-305.	0.1	0
377	Feedback and Environmental Effects in Elliptical Galaxies. <i>Astrophysics and Space Science Library</i> , 2012, , 55-82.	1.0	0
378	Structures and Components in Galaxy Clusters: Observations and Models. <i>Space Sciences Series of ISSI</i> , 2016, , 141-185.	0.0	0
380	Introduction to Cluster Cooling Cores. , 2007, , 3-12.		0

#	ARTICLE	IF	CITATIONS
381	A Novel Machine Learning Approach to Disentangle Multitemperature Regions in Galaxy Clusters. <i>Astronomical Journal</i> , 2020, 160, 202.	1.9	2
382	Radio and X-ray Observations of the Restarted Radio Galaxy in the Galaxy Cluster CL 0838+1948. <i>Galaxies</i> , 2021, 9, 108.	1.1	4
383	MeerKAT view of the diffuse radio sources in Abell 3667 and their interactions with the thermal plasma. <i>Astronomy and Astrophysics</i> , 2022, 659, A146.	2.1	27
384	The galaxy group NGC 507: Newly detected AGN remnant plasma transported by sloshing. <i>Astronomy and Astrophysics</i> , 2022, 661, A92.	2.1	20
385	Resilience of sloshing cold fronts against subsequent minor mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 518-534.	1.6	2
386	Galaxy Cluster A 2142: Halo Boundary, "Red Sequence", Properties of Galaxies Based on SDSS. <i>Astrophysical Bulletin</i> , 2022, 77, 22-30.	0.3	0
387	A Candle in the Wind: A Radio Filament in the Core of the A3562 Galaxy Cluster. <i>Astrophysical Journal</i> , 2022, 934, 49.	1.6	11
388	Discovery of a Premerger Shock in an Intercluster Filament in Abell 98. <i>Astrophysical Journal Letters</i> , 2022, 935, L23.	3.0	8
389	The Merger Dynamics of the X-Ray-Emitting Plasma in Clusters of Galaxies. , 2022, , 1-44.		3
390	The NuSTAR and Chandra View of CL 0217+70 and Its Tell-tale Radio Halo. <i>Astrophysical Journal</i> , 2023, 942, 79.	1.6	2
391	Gas Sloshing and Cold Fronts in Pre-merging Galaxy Cluster A98. <i>Astrophysical Journal</i> , 2023, 944, 132.	1.6	6
392	Surface brightness discontinuities in radio halos. <i>Astronomy and Astrophysics</i> , 2023, 674, A53.	2.1	6
402	The Merger Dynamics of the X-ray- Emitting Plasma in Clusters of Galaxies. , 2024, , 5005-5048.		0