

# Ming Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/421264/publications.pdf>

Version: 2024-02-01

79  
papers

4,704  
citations

101543

36  
h-index

95266

68  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2650  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>CHANDRA</i> STUDIES OF THE X-RAY GAS PROPERTIES OF GALAXY GROUPS. <i>Astrophysical Journal</i> , 2009, 693, 1142-1172.	4.5	459
2	INTRACLUSTER MEDIUM ENTROPY PROFILES FOR A <i>CHANDRA</i> ARCHIVAL SAMPLE OF GALAXY CLUSTERS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 12-32.	7.7	444
3	An Entropy Threshold for Strong H $\beta$ and Radio Emission in the Cores of Galaxy Clusters. <i>Astrophysical Journal</i> , 2008, 683, L107-L110.	4.5	192
4	H $\beta$ Tail, Intracluster H $\alpha$ Regions, and Star Formation: ESO 137-001 in Abell 3627. <i>Astrophysical Journal</i> , 2007, 671, 190-202.	4.5	163
5	MUSE sneaks a peek at extreme ram-pressure stripping events â€” I. A kinematic study of the archetypal galaxy ESO137-001. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 4335-4344.	4.4	157
6	SHOCKS AND CAVITIES FROM MULTIPLE OUTBURSTS IN THE GALAXY GROUP NGC 5813: A WINDOW TO ACTIVE GALACTIC NUCLEUS FEEDBACK. <i>Astrophysical Journal</i> , 2011, 726, 86.	4.5	142
7	X-ray Thermal Coronae of Galaxies in Hot Clusters: Ubiquity of Embedded Mini-cooling Cores. <i>Astrophysical Journal</i> , 2007, 657, 197-231.	4.5	140
8	EVERY BCG WITH A STRONG RADIO AGN HAS AN X-RAY COOL CORE: IS THE COOL CORE-NONCOOL CORE DICHOTOMY TOO SIMPLE?. <i>Astrophysical Journal</i> , 2009, 704, 1586-1604.	4.5	134
9	SPECTACULAR X-RAY TAILS, INTRACLUSTER STAR FORMATION, AND ULXs IN A3627. <i>Astrophysical Journal</i> , 2010, 708, 946-964.	4.5	134
10	The origin of cold gas in giant elliptical galaxies and its role in fuelling radio-mode AGN feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2291-2306.	4.4	123
11	Shaken Snow Globes: Kinematic Tracers of the Multiphase Condensation Cascade in Massive Galaxies, Groups, and Clusters. <i>Astrophysical Journal</i> , 2018, 854, 167.	4.5	123
12	ABUNDANT MOLECULAR GAS AND INEFFICIENT STAR FORMATION IN INTRACLUSTER REGIONS: RAM PRESSURE STRIPPED TAIL OF THE NORMA GALAXY ESO137-001. <i>Astrophysical Journal</i> , 2014, 792, 11.	4.5	114
13	MUSE sneaks a peek at extreme ram-pressure stripping events â€” II. The physical properties of the gas tail of ESO137-001. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 2028-2041.	4.4	112
14	MUSTANG HIGH ANGULAR RESOLUTION SUNYAEV-ZEL'DOVICH EFFECT IMAGING OF SUBSTRUCTURE IN FOUR GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2011, 734, 10.	4.5	103
15	Ram pressure stripping in high-density environments. <i>Astronomy and Astrophysics Review</i> , 2022, 30, .	25.5	102
16	A VERY DEEP <i>CHANDRA</i> OBSERVATION OF THE GALAXY GROUP NGC 5813: AGN SHOCKS, FEEDBACK, AND OUTBURST HISTORY. <i>Astrophysical Journal</i> , 2015, 805, 112.	4.5	101
17	Spectacular tails of ionized gas in the Virgo cluster galaxy NGC 4569. <i>Astronomy and Astrophysics</i> , 2016, 587, A68.	5.1	99
18	A 70 Kiloparsec X-Ray Tail in the Cluster A3627. <i>Astrophysical Journal</i> , 2006, 637, L81-L84.	4.5	98

#	ARTICLE	IF	CITATIONS
19	Hot gas in galaxy groups: recent observations. <i>New Journal of Physics</i> , 2012, 14, 045004.	2.9	85
20	A Galaxy-scale Fountain of Cold Molecular Gas Pumped by a Black Hole. <i>Astrophysical Journal</i> , 2018, 865, 13.	4.5	85
21	ALMA Unveils Widespread Molecular Gas Clumps in the Ram Pressure Stripped Tail of the Norma Jellyfish Galaxy. <i>Astrophysical Journal</i> , 2019, 883, 145.	4.5	78
22	MOLECULAR GAS IN THE X-RAY BRIGHT GROUP NGC 5044 AS REVEALED BY ALMA. <i>Astrophysical Journal</i> , 2014, 792, 94.	4.5	72
23	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2018, 614, A56.	5.1	70
24	Molecular Gas Dominated 50 kpc Ram Pressure Stripped Tail of the Coma Galaxy D100 <sup>*</sup> . <i>Astrophysical Journal</i> , 2017, 839, 114.	4.5	68
25	The X-Ray Halo Scaling Relations of Supermassive Black Holes. <i>Astrophysical Journal</i> , 2019, 884, 169.	4.5	64
26	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2018, 614, A57.	5.1	63
27	Star formation in shocked cluster spirals and their tails. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 443, L114-L118.	3.3	61
28	Thermodynamic properties, multiphase gas, and AGN feedback in a large sample of giant ellipticals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4472-4504.	4.4	61
29	Revealing the Interaction between the X-ray Gas of Starburst Galaxy UGC 6697 and the Hot Intracluster Medium of A1367. <i>Astrophysical Journal</i> , 2005, 621, 718-724.	4.5	60
30	SUPERNOVA SWEEPING AND BLACK HOLE FEEDBACK IN ELLIPTICAL GALAXIES. <i>Astrophysical Journal Letters</i> , 2015, 803, L21.	8.3	56
31	ACTIVE-GALACTIC-NUCLEUS-DRIVEN WEATHER AND MULTIPHASE GAS IN THE CORE OF THE NGC 5044 GALAXY GROUP. <i>Astrophysical Journal</i> , 2011, 728, 162.	4.5	54
32	Spectacular Hubble Space Telescope Observations of the Coma Galaxy D100 and Star Formation in Its Ram Pressure-stripped Tail. <i>Astrophysical Journal</i> , 2019, 870, 63.	4.5	51
33	Chandra Observations of the NGC 1550 Galaxy Group: Implication for the Temperature and Entropy Profiles of 1 keV Galaxy Groups. <i>Astrophysical Journal</i> , 2003, 598, 250-259.	4.5	49
34	DEEP CHANDRA OBSERVATIONS OF EDGES AND BUBBLES IN THE NGC 5846 GALAXY GROUP. <i>Astrophysical Journal</i> , 2011, 743, 15.	4.5	46
35	THE NARROW X-RAY TAIL AND DOUBLE H $\beta$ TAILS OF ESO 137-002 IN A3627. <i>Astrophysical Journal</i> , 2013, 777, 122.	4.5	40
36	A STRONG MERGER SHOCK IN ABELL 665. <i>Astrophysical Journal Letters</i> , 2016, 820, L20.	8.3	39

#	ARTICLE	IF	CITATIONS
37	The ram pressure stripped radio tails of galaxies in the Coma cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4654-4673.	4.4	37
38	A multiwavelength view of cooling versus AGN heating in the X-ray luminous cool-core of Abell 3581â€¦... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1108-1125.	4.4	35
39	Orbital decay in binaries containing post-main-sequence stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4077-4092.	4.4	31
40	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2018, 615, A114.	5.1	29
41	Violent interaction between the active galactic nucleus and the hot gas in the core of the galaxy cluster SÅ©rsic 159â€³03. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 3369-3379.	4.4	28
42	Shocking features in the merging galaxy cluster RXJ0334.2â€³0111. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 681-694.	4.4	28
43	ChandraView of the Dynamically Young Cluster of Galaxies A1367. I. Smallâ€šscale Structures. <i>Astrophysical Journal</i> , 2002, 576, 708-719.	4.5	25
44	The Presence of Thermally Unstable X-Ray Filaments and the Production of Cold Gas in the NGC 5044 Group. <i>Astrophysical Journal</i> , 2017, 842, 84.	4.5	24
45	MUSE sneaks a peek at extreme ram-pressure stripping events â€“ IV. Hydrodynamic and gravitational interactions in the Blue Infalling Group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2212-2228.	4.4	24
46	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.	4.7	24
47	A General Precipitation-limited $L_X$ â€“ $R$ Relation among Early-type Galaxies. <i>Astrophysical Journal</i> , 2018, 853, 78.	4.5	23
48	A universal correlation between warm and hot gas in the stripped tails of cluster galaxies. <i>Nature Astronomy</i> , 2022, 6, 270-274.	10.1	23
49	A Black Hole Feedback Valve in Massive Galaxies. <i>Astrophysical Journal</i> , 2020, 899, 70.	4.5	22
50	<i>CHANDRA</i>AND<i>ROSAT</i>OBSERVATIONS OF A194: DETECTION OF AN X-RAY CAVITY AND MAPPING THE DYNAMICS OF THE CLUSTER. <i>Astrophysical Journal</i> , 2011, 743, 59.	4.5	20
51	AGN feedback in galaxy group 3Câ€š88: cavities, shock, and jet reorientation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3376-3392.	4.4	20
52	Powerful AGN jets and unbalanced cooling in the hot atmosphere of IC 4296. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1917-1925.	4.4	18
53	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2019, 623, A52.	5.1	17
54	Probing Multiphase Gas in Local Massive Elliptical Galaxies via Multiwavelength Observations. <i>Astrophysical Journal</i> , 2022, 928, 150.	4.5	17

#	ARTICLE	IF	CITATIONS
55	The X-ray coronae of the two brightest galaxies in the Coma cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1182-1192.	4.4	16
56	Cooling in the X-ray halo of the rotating, massive early-type galaxy NGC 7049. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2886-2895.	4.4	16
57	SCALING RELATIONS AND X-RAY PROPERTIES OF MODERATE-LUMINOSITY GALAXY CLUSTERS FROM 0.3 <math>z</math> <math>< i>z</i></math> 0.6 WITH <math>XMM-NEWTON</math>. <i>Astrophysical Journal</i> , 2014, 794, 48.	4.5	14
58	A merger shock in Abell 1367. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 486, L36-L40.	3.3	14
59	Atacama Compact Array Measurements of the Molecular Mass in the NGC 5044 Cooling-flow Group. <i>Astrophysical Journal</i> , 2020, 894, 72.	4.5	14
60	Building a cluster: shocks, cavities, and cooling filaments in the group merger NGC 6338. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2925-2946.	4.4	13
61	An <math>H\alpha</math>/X-ray orphan cloud as a signpost of intracluster medium clumping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4702-4716.	4.4	13
62	SUZAKU X-RAY OBSERVATIONS OF THE NEAREST NON-COOL CORE CLUSTER, ANTLIA: DYNAMICALLY YOUNG BUT WITH REMARKABLY RELAXED OUTSKIRTS. <i>Astrophysical Journal</i> , 2016, 829, 49.	4.5	12
63	X-ray scaling relations from a complete sample of the richest maxBCG clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	12
64	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2020, 634, L1.	5.1	11
65	Probing dark energy via galaxy cluster outskirts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3266-3284.	4.4	10
66	<math>Chandra</math> and <math>XMM-Newton</math> observations of A2256: cold fronts, merger shocks, and constraint on the IC emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4704-4717.	4.4	10
67	AGN feedback in the FR II galaxy 3C 220.1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3156-3168.	4.4	9
68	ESO 137-002: a large spiral undergoing edge-on ram-pressure stripping with little star formation in the tail. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3938-3956.	4.4	9
69	Gas distribution and clumpiness in the galaxy group NGC 2563. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2423-2433.	4.4	8
70	Properties of the Hot Ambient Medium of Early-type Galaxies Hosting Powerful Radio Sources. <i>Astrophysical Journal</i> , 2020, 899, 159.	4.5	8
71	MUSE sneaks a peek at extreme ram-pressure stripping events <math>V</math>. Towards a complete view of the galaxy cluster A1367. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5180-5197.	4.4	8
72	The BIG X-ray tail. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 508, L69-L73.	3.3	6

#	ARTICLE	IF	CITATIONS
73	Probing the dynamical state, baryon content, and multiphase nature of galaxy clusters with bright background QSOs. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4111-4122.	4.4	5
74	Suzaku Measurements of Hot Halo Emission at Outskirts for Two Poor Galaxy Groups: NGC 3402 and NGC 5129. Astrophysical Journal, 2020, 899, 160.	4.5	3
75	<i>Chandra</i> view of Abell 407: the central compact group of galaxies and the interaction between the radio AGN and the ICM. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3994-4004.	4.4	3
76	Non-star-forming molecular gas in the Abell 1367 intra-cluster multiphase orphan cloud. Astronomy and Astrophysics, 2022, 658, L5.	5.1	2
77	Supermassive Black Hole feedback in early type galaxies. Proceedings of the International Astronomical Union, 2019, 15, 119-125.	0.0	1
78	Abundant molecular gas and inefficient SF in intra-cluster regions of a ram pressure stripped tail. Proceedings of the International Astronomical Union, 2014, 10, 227-229.	0.0	0
79	Relationships between Stellar Velocity Dispersion and the Atmospheres of Early-type Galaxies. Astrophysical Journal, 2022, 926, 181.	4.5	0