

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	Non-star-forming molecular gas in the Abell 1367 intra-cluster multiphase orphan cloud. <i>Astronomy and Astrophysics</i> , 2022, 658, L5.	5.1	2
2	MUSE sneaks a peek at extreme ram-pressure stripping events in V. 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
3	Chandra view of Abell 407: the central compact group of galaxies and the interaction between the radio AGN and the ICM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3994-4004.	4.4	3
4	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
5	Relationships between Stellar Velocity Dispersion and the Atmospheres of Early-type Galaxies. <i>Astrophysical Journal</i> , 2022, 926, 181.	4.5	0
6	Probing Multiphase Gas in Local Massive Elliptical Galaxies via Multiwavelength Observations. <i>Astrophysical Journal</i> , 2022, 928, 150.	4.5	17
7	Ram pressure stripping in high-density environments. <i>Astronomy and Astrophysics Review</i> , 2022, 30, .	25.5	102
8	An H α 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
9	The BIG X-ray tail. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 508, L69-L73.	3.3	6
10	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
11	Chandra and XMM-Newton 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
12	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
13	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2020, 634, L1.	5.1	11
14	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
15	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
16	A Black Hole Feedback Valve in Massive Galaxies. <i>Astrophysical Journal</i> , 2020, 899, 70.	4.5	22
17	Suzaku Measurements of Hot Halo Emission at Outskirts for Two Poor Galaxy Groups: NGC 3402 and NGC 5129. <i>Astrophysical Journal</i> , 2020, 899, 160.	4.5	3
18	Properties of the Hot Ambient Medium of Early-type Galaxies Hosting Powerful Radio Sources. <i>Astrophysical Journal</i> , 2020, 899, 159.	4.5	8

#	ARTICLE	IF	CITATIONS
19	Powerful AGN jets and unbalanced cooling in the hot atmosphere of IC 4296. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1917-1925.	4.4	18
20	Building a cluster: shocks, cavities, and cooling filaments in the group merger NGC 6338. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2925-2946.	4.4	13
21	Cooling in the X-ray halo of the rotating, massive early-type galaxy NGC 7049. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2886-2895.	4.4	16
22	MUSE sneaks a peek at extreme ram-pressure stripping events – IV. Hydrodynamic and gravitational interactions in the Blue Infalling Group. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2212-2228.	4.4	24
23	A merger shock in Abell 1367. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 486, L36-L40.	3.3	14
24	Spectacular Hubble Space Telescope Observations of the Coma Galaxy D100 and Star Formation in Its Ram Pressure-stripped Tail. Astrophysical Journal, 2019, 870, 63.	4.5	51
25	AGN feedback in galaxy group 3C 88: cavities, shock, and jet reorientation. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3376-3392.	4.4	20
26	The X-Ray Halo Scaling Relations of Supermassive Black Holes. Astrophysical Journal, 2019, 884, 169.	4.5	64
27	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2019, 623, A52.	5.1	17
28	ALMA Unveils Widespread Molecular Gas Clumps in the Ram Pressure Stripped Tail of the Norma Jellyfish Galaxy. Astrophysical Journal, 2019, 883, 145.	4.5	78
29	Supermassive Black Hole feedback in early type galaxies. Proceedings of the International Astronomical Union, 2019, 15, 119-125.	0.0	1
30	Shaken Snow Globes: Kinematic Tracers of the Multiphase Condensation Cascade in Massive Galaxies, Groups, and Clusters. Astrophysical Journal, 2018, 854, 167.	4.5	123
31	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2018, 614, A56.	5.1	70
32	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
33	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2018, 614, A57.	5.1	63
34	Orbital decay in binaries containing post-main-sequence stars. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4077-4092.	4.4	31
35	A Galaxy-scale Fountain of Cold Molecular Gas Pumped by a Black Hole. Astrophysical Journal, 2018, 865, 13.	4.5	85
36	Thermodynamic properties, multiphase gas, and AGN feedback in a large sample of giant ellipticals. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4472-4504.	4.4	61

#	ARTICLE	IF	CITATIONS
37	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2018, 615, A114.	5.1	29
38	A General Precipitation-limited L_X - R Relation among Early-type Galaxies. <i>Astrophysical Journal</i> , 2018, 853, 78.	4.5	23
39	Molecular Gas Dominated 50 kpc Ram Pressure Stripped Tail of the Coma Galaxy D100 [*] . <i>Astrophysical Journal</i> , 2017, 839, 114.	4.5	68
40	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
41	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
42	SLIZAKU 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
43	Spectacular tails of ionized gas in the Virgo cluster galaxy NGC 4569. <i>Astronomy and Astrophysics</i> , 2016, 587, A68.	5.1	99
44	Shocking features in the merging galaxy cluster RXJ0334.2 ⁺ 0111. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 681-694.	4.4	28
45	A STRONG MERGER SHOCK IN ABELL 665. <i>Astrophysical Journal Letters</i> , 2016, 820, L20.	8.3	39
46	Probing dark energy via galaxy cluster outskirts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3266-3284.	4.4	10
47	MUSE sneaks a peek at extreme ram-pressure stripping events 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
48	SUPERNOVA SWEEPING AND BLACK HOLE FEEDBACK IN ELLIPTICAL GALAXIES. <i>Astrophysical Journal Letters</i> , 2015, 803, L21.	8.3	56
49	A VERY DEEP CHANDRA OBSERVATION OF THE GALAXY GROUP NGC 5813: AGN SHOCKS, FEEDBACK, AND OUTBURST HISTORY. <i>Astrophysical Journal</i> , 2015, 805, 112.	4.5	101
50	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
51	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
52	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
53	MUSE sneaks a peek at extreme ram-pressure stripping events 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
54	SCALING RELATIONS AND X-RAY PROPERTIES OF MODERATE-LUMINOSITY GALAXY CLUSTERS FROM 0.3 z 0.6 WITH XMM-NEWTON. <i>Astrophysical Journal</i> , 2014, 794, 48.	4.5	14

#	ARTICLE	IF	CITATIONS
55	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
56	MOLECULAR GAS IN THE X-RAY BRIGHT GROUP NGC 5044 AS REVEALED BY ALMA. <i>Astrophysical Journal</i> , 2014, 792, 94.	4.5	72
57	Abundant molecular gas and inefficient SF in intra-cluster regions of a ram pressure stripped tail. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 227-229.	0.0	0
58	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
59	THE NARROW X-RAY TAIL AND DOUBLE H β TAILS OF ESO 137-002 IN A3627. <i>Astrophysical Journal</i> , 2013, 777, 122.	4.5	40
60	Hot gas in galaxy groups: recent observations. <i>New Journal of Physics</i> , 2012, 14, 045004.	2.9	85
61	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
62	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
63	DEEP CHANDRA OBSERVATIONS OF EDGES AND BUBBLES IN THE NGC 5846 GALAXY GROUP. <i>Astrophysical Journal</i> , 2011, 743, 15.	4.5	46
64	CHANDRA AND ROSAT 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
65	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
66	Violent interaction between the active galactic nucleus and the hot gas in the core of the galaxy cluster SÅrsic 159â€³03. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 3369-3379.	4.4	28
67	SPECTACULAR X-RAY TAILS, INTRACLUSTER STAR FORMATION, AND ULXs IN A3627. <i>Astrophysical Journal</i> , 2010, 708, 946-964.	4.5	134
68	CHANDRA STUDIES OF THE X-RAY GAS PROPERTIES OF GALAXY GROUPS. <i>Astrophysical Journal</i> , 2009, 693, 1142-1172.	4.5	459
69	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
70	INTRACLUSTER MEDIUM ENTROPY PROFILES FOR A CHANDRA ARCHIVAL SAMPLE OF GALAXY CLUSTERS. <i>Astrophysical Journal</i> , Supplement Series, 2009, 182, 12-32.	7.7	444
71	An Entropy Threshold for Strong H β and Radio Emission in the Cores of Galaxy Clusters. <i>Astrophysical Journal</i> , 2008, 683, L107-L110.	4.5	192
72	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

#	ARTICLE	IF	CITATIONS
73	H α Tail, Intracluster H α Regions, and Star Formation: ESO 137-001 in Abell 3627. <i>Astrophysical Journal</i> , 2007, 671, 190-202.	4.5	163
74	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
75	A 70 Kiloparsec X-Ray Tail in the Cluster A3627. <i>Astrophysical Journal</i> , 2006, 637, L81-L84.	4.5	98
76	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
77	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
78	Chandra View of the Dynamically Young Cluster of Galaxies A1367. I. Small-Scale Structures. <i>Astrophysical Journal</i> , 2002, 576, 708-719.	4.5	25
79	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