

Chengze Liu

List of Publications by Year in descending order

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53
papers

1,871
citations

304743

22
h-index

254184

43
g-index

54
all docs

54
docs citations

54
times ranked

2084
citing authors

#	ARTICLE	IF	CITATIONS
1	THE NEXT GENERATION VIRGO CLUSTER SURVEY (NGVS). I. INTRODUCTION TO THE SURVEY*. <i>Astrophysical Journal, Supplement Series</i> , 2012, 200, 4.	7.7	306
2	GALAXIES AT THE EXTREMES: ULTRA-DIFFUSE GALAXIES IN THE VIRGO CLUSTER. <i>Astrophysical Journal Letters</i> , 2015, 809, L21.	8.3	178
3	THE NEXT GENERATION VIRGO CLUSTER SURVEY. VIII. THE SPATIAL DISTRIBUTION OF GLOBULAR CLUSTERS IN THE VIRGO CLUSTER. <i>Astrophysical Journal</i> , 2014, 794, 103.	4.5	104
4	ELUCIDATING EXPLORING THE LOCAL UNIVERSE WITH RECONSTRUCTED INITIAL DENSITY FIELD. III. CONSTRAINED SIMULATION IN THE SDSS VOLUME. <i>Astrophysical Journal</i> , 2016, 831, 164.	4.5	101
5	The Next Generation Virgo Cluster Survey. XXIII. Fundamentals of Nuclear Star Clusters over Seven Decades in Galaxy Mass. <i>Astrophysical Journal</i> , 2019, 878, 18.	4.5	83
6	THE NEXT GENERATION VIRGO CLUSTER SURVEY. VI. THE KINEMATICS OF ULTRA-COMPACT DWARFS AND GLOBULAR CLUSTERS IN M87. <i>Astrophysical Journal</i> , 2015, 802, 30.	4.5	77
7	GOLDRUSH. IV. Luminosity Functions and Clustering Revealed with $\sim 4,000,000$ Galaxies at $z \sim 7$: Galaxy AGN Transition, Star Formation Efficiency, and Implication for Evolution at $z > 10$. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 20.	7.7	73
8	THE NEXT GENERATION VIRGO CLUSTER SURVEY-INFRA-RED (NGVS-IR). I. A NEW NEAR-ULTRAVIOLET, OPTICAL, AND NEAR-INFRARED GLOBULAR CLUSTER SELECTION TOOL. <i>Astrophysical Journal, Supplement Series</i> , 2014, 210, 4.	7.7	70
9	THE NEXT GENERATION VIRGO CLUSTER SURVEY (NGVS). XIII. THE LUMINOSITY AND MASS FUNCTION OF GALAXIES IN THE CORE OF THE VIRGO CLUSTER AND THE CONTRIBUTION FROM DISRUPTED SATELLITES*. <i>Astrophysical Journal</i> , 2016, 824, 10.	4.5	65
10	THE NEXT GENERATION VIRGO CLUSTER SURVEY. V. MODELING THE DYNAMICS OF M87 WITH THE MADE-TO-MEASURE METHOD. <i>Astrophysical Journal</i> , 2014, 792, 59.	4.5	56
11	The Next Generation Virgo Cluster Survey (NGVS). XXX. Ultra-diffuse Galaxies and Their Globular Cluster Systems. <i>Astrophysical Journal</i> , 2020, 899, 69.	4.5	56
12	THE ACS FORNAX CLUSTER SURVEY. X. COLOR GRADIENTS OF GLOBULAR CLUSTER SYSTEMS IN EARLY-TYPE GALAXIES. <i>Astrophysical Journal</i> , 2011, 728, 116.	4.5	53
13	THE NEXT GENERATION VIRGO CLUSTER SURVEY. X. PROPERTIES OF ULTRA-COMPACT DWARFS IN THE M87, M49, AND M60 REGIONS. <i>Astrophysical Journal</i> , 2015, 812, 34.	4.5	53
14	The CFHT Large Area U-band Deep Survey (CLAUDS). <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	48
15	An Extended Halo-based Group/Cluster Finder: Application to the DESI Legacy Imaging Surveys DR8. <i>Astrophysical Journal</i> , 2021, 909, 143.	4.5	44
16	Mapping the Real Space Distributions of Galaxies in SDSS DR7. II. Measuring the Growth Rate, Clustering Amplitude of Matter, and Biases of Galaxies at Redshift 0.1. <i>Astrophysical Journal</i> , 2018, 861, 137.	4.5	43
17	A Machine Learning Based Morphological Classification of 14,245 Radio AGNs Selected from the Best Hecke Sample. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 34.	7.7	41
18	The Next Generation Virgo Cluster Survey (NGVS). XXIV. The Red Sequence to $z \sim 10^6$ and Comparisons with Galaxy Formation Models. <i>Astrophysical Journal</i> , 2017, 836, 120.	4.5	40

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19	The Next Generation Virgo Cluster Survey (NGVS). XIV. The Discovery of Low-mass Galaxies and a New Galaxy Catalog in the Core of the Virgo Cluster. <i>Astrophysical Journal</i> , 2020, 890, 128.	4.5	39
20	THE MOST MASSIVE ULTRA-COMPACT DWARF GALAXY IN THE VIRGO CLUSTER. <i>Astrophysical Journal Letters</i> , 2015, 812, L2.	8.3	30
21	Stellar Population Properties of Ultracompact Dwarfs in M87: A Mass-Metallicity Correlation Connecting Low-metallicity Globular Clusters and Compact Ellipticals. <i>Astrophysical Journal</i> , 2018, 858, 37.	4.5	25
22	EXPLORING THE COSMIC REIONIZATION EPOCH IN FREQUENCY SPACE: AN IMPROVED APPROACH TO REMOVE THE FOREGROUND IN 21 cm TOMOGRAPHY. <i>Astrophysical Journal</i> , 2013, 763, 90.	4.5	23
23	MAPPING THE REAL-SPACE DISTRIBUTIONS OF GALAXIES IN SDSS DR7. I. TWO-POINT CORRELATION FUNCTIONS. <i>Astrophysical Journal</i> , 2016, 833, 241.	4.5	23
24	The Next Generation Virgo Cluster Survey (NGVS). XXXI. The Kinematics of Intracluster Globular Clusters in the Core of the Virgo Cluster. <i>Astrophysical Journal</i> , 2018, 864, 36.	4.5	23
25	THE NEXT GENERATION VIRGO CLUSTER SURVEY (NGVS). XXV. FIDUCIAL PANCHROMATIC COLORS OF VIRGO CORE GLOBULAR CLUSTERS AND THEIR COMPARISON TO MODEL PREDICTIONS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 12.	7.7	20
26	NEW CONSTRAINTS ON A COMPLEX RELATION BETWEEN GLOBULAR CLUSTER COLORS AND ENVIRONMENT. <i>Astrophysical Journal Letters</i> , 2016, 829, L5.	8.3	19
27	ELUCID. V. Lighting Dark Matter Halos with Galaxies. <i>Astrophysical Journal</i> , 2018, 860, 30.	4.5	17
28	A CHANDRA STUDY OF TEMPERATURE DISTRIBUTIONS OF THE INTRACLUSTER MEDIUM IN 50 GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2016, 816, 54.	4.5	14
29	THE NEXT GENERATION VIRGO CLUSTER SURVEY XVI: THE ANGULAR MOMENTUM OF DWARF EARLY-TYPE GALAXIES FROM GLOBULAR CLUSTER SATELLITES. <i>Astrophysical Journal</i> , 2016, 822, 51.	4.5	13
30	The Next Generation Virgo Cluster Survey (NGVS). XXVI. The Issues of Photometric Age and Metallicity Estimates for Globular Clusters. <i>Astrophysical Journal</i> , 2017, 844, 104.	4.5	13
31	A discrete chemo-dynamical model of M87's globular clusters: Kinematics extending to $\sim 1/400$ kpc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2775-2795.	4.4	12
32	The Next Generation Virgo Cluster Survey. XXXIV. Ultracompact Dwarf Galaxies in the Virgo Cluster. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 17.	7.7	11
33	THE NEXT GENERATION VIRGO CLUSTER SURVEY. XIX. TOMOGRAPHY OF MILKY WAY SUBSTRUCTURES IN THE NGVS FOOTPRINT. <i>Astrophysical Journal</i> , 2016, 819, 124.	4.5	10
34	Shedding light on the formation mechanism of shell galaxy NGC 474 with MUSE. <i>Astronomy and Astrophysics</i> , 2020, 644, A164.	5.1	10
35	Chandra Detection of Intracluster X-Ray sources in Virgo. <i>Astrophysical Journal</i> , 2017, 846, 126.	4.5	9
36	Groups and Protocluster Candidates in the CLAUDS and HSC-SSP Joint Deep Surveys. <i>Astrophysical Journal</i> , 2022, 933, 9.	4.5	9

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37	Star Formation in Massive Galaxies at Redshift $z \approx 0.5$. <i>Astrophysical Journal</i> , 2020, 895, 100.	4.5	8
38	A CHANDRA STUDY OF THE IMAGE POWER SPECTRA OF 41 COOL CORE AND NON-COOL CORE GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2016, 823, 116.	4.5	7
39	The Next Generation Virgo Cluster Survey (NGVS). XXXII. A Search for Globular Cluster Substructures in the Virgo Galaxy Cluster Core. <i>Astrophysical Journal</i> , 2018, 856, 84.	4.5	7
40	Accurate Modeling of the Projected Galaxy Clustering in Photometric Surveys. I. Tests with Mock Catalogs. <i>Astrophysical Journal</i> , 2019, 879, 71.	4.5	6
41	Contribution of stripped nuclei to the ultracompact dwarf galaxy population in the Virgo cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1852-1867.	4.4	6
42	A GEMINI/GMOS STUDY OF INTERMEDIATE LUMINOSITY EARLY-TYPE VIRGO CLUSTER GALAXIES. I. GLOBULAR CLUSTER AND STELLAR KINEMATICS. <i>Astrophysical Journal</i> , 2015, 806, 133.	4.5	4
43	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. <i>Astrophysical Journal</i> , 2021, 913, 8.	4.5	4
44	A Study of the Merger History of the Galaxy Group HCG 62 Based on X-Ray Observations and Smoothed Particle Hydrodynamic Simulations. <i>Astrophysical Journal</i> , 2019, 870, 61.	4.5	3
45	A giant central red disk galaxy at redshift $z = 0.76$: Challenge to theories of galaxy formation. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	3
46	Testing the tidal stripping scenario of ultracompact dwarf galaxy formation by using internal properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2459-2470.	4.4	3
47	The Next Generation Virgo Cluster Survey. XVII. A Search for Planetary Nebulae in Virgo Cluster Globular Clusters. <i>Astrophysical Journal</i> , 2019, 885, 145.	4.5	3
48	The Next Generation Virgo Cluster Survey. XXXIII. Stellar Population Gradients in the Virgo Cluster Core Globular Cluster System. <i>Astrophysical Journal</i> , 2022, 931, 120.	4.5	3
49	Fresh Insights on the Kinematics of M49's Globular Cluster System with MMT/Hectospec Spectroscopy. <i>Astrophysical Journal</i> , 2021, 915, 83.	4.5	2
50	The Color Gradients of the Globular Cluster Systems in M87 and M49. <i>Astrophysical Journal</i> , 2022, 926, 149.	4.5	1
51	Origin of ultra-compact dwarfs: a dynamical perspective. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 264-268.	0.0	0
52	Globular Clusters, Dwarf Galaxies, and the Assembly of the M87 Halo. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 153-158.	0.0	0
53	The properties of bright globular clusters, ultra-compact dwarfs and dwarf nuclei in the Virgo core: hints on origin of ultra-compact dwarf galaxies (UCDs). <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 384-388.	0.0	0