

Ling Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	CALIBRATING THE CORRELATION BETWEEN BLACK HOLE MASS AND X-RAY VARIABILITY AMPLITUDE: X-RAY ONLY BLACK HOLE MASS ESTIMATES FOR ACTIVE GALACTIC NUCLEI AND ULTRA-LUMINOUS X-RAY SOURCES. <i>Astrophysical Journal</i> , 2010, 710, 16-23.	4.5	79
2	Orbital decomposition of CALIFA spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3000-3018.	4.4	64
3	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
4	The stellar orbit distribution in present-day galaxies inferred from the CALIFA survey. <i>Nature Astronomy</i> , 2018, 2, 233-238.	10.1	56
5	A discrete chemo-dynamical model of the dwarf spheroidal galaxy Sculptor: mass profile, velocity anisotropy and internal rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1117-1135.	4.4	47
6	EVIDENCE FOR AN INTERMEDIATE LINE REGION IN ACTIVE GALACTIC NUCLEI'S INNER TORUS REGION AND ITS EVOLUTION FROM NARROW TO BROAD LINE SEYFERT I GALAXIES. <i>Astrophysical Journal</i> , 2009, 700, 1173-1189.	4.5	46
7	Combining stellar populations with orbit-superposition dynamical modelling: the formation history of the lenticular galaxy NGC 3115. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3776-3796.	4.4	45
8	The EDGEâ€“CALIFA survey: validating stellar dynamical mass models with CO kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 254-292.	4.4	44
9	Evaluating the ability of triaxial Schwarzschild modelling to estimate properties of galaxies from the Illustris simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4753-4772.	4.4	28
10	A discrete chemo-dynamical model of the giant elliptical galaxy NGC 5846: dark matter fraction, internal rotation, and velocity anisotropy out to six effective radii. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 4001-4017.	4.4	27
11	NIHAO XVI: the properties and evolution of kinematically selected discs, bulges, and stellar haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4424-4456.	4.4	27
12	Disentangling the formation history of galaxies via population-orbit superposition: method validation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1579-1597.	4.4	24
13	Morphology and kinematics of orbital components in CALIFA galaxies across the Hubble sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	21
14	A Universal Fundamental Plane and the $M_{\text{dyn}} \propto M_{\text{star}}$ Relation for Galaxies with CALIFA and MaNGA. <i>Astrophysical Journal</i> , 2020, 900, 109.	4.5	21
15	A dynamical view on stellar metallicity gradient diversity across the Hubble sequence with CALIFA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1862-1880.	4.4	20
16	A study of stellar orbit fractions: simulated IllustrisTNG galaxies compared to CALIFA observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 842-854.	4.4	19
17	The SAMI Galaxy Survey: The Internal Orbital Structure and Mass Distribution of Passive Galaxies from Triaxial Orbit-superposition Schwarzschild Models. <i>Astrophysical Journal</i> , 2022, 930, 153.	4.5	18
18	SDSS-IV MaNGA: Internal mass distributions and orbital structures of early-type galaxies and their dependence on environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	17

#	ARTICLE	IF	CITATIONS
19	The low dark matter content of the lenticular galaxy NGC 3998. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3029-3043.	4.4	15
20	Mass of the dynamically hot inner stellar halo predicts the ancient accreted stellar mass. Astronomy and Astrophysics, 2022, 660, A20.	5.1	15
21	A discrete chemo-dynamical model of M87's globular clusters: Kinematics extending to $\sim 1/400$ kpc. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2775-2795.	4.4	12
22	Mapping the dark matter halo of early-type galaxy NGC 2974 through orbit-based models with combined stellar and cold gas kinematics. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4221-4231.	4.4	11
23	Hot and counter-rotating star-forming disc galaxies in IllustrisTNG and their real-world counterparts. Monthly Notices of the Royal Astronomical Society, 2021, 503, 726-742.	4.4	11
24	Different Formation Scenarios for Counterrotating Stellar Disks in Nearby Galaxies. Astrophysical Journal Letters, 2022, 926, L13.	8.3	6
25	Diagnostics for the structure of AGNs' broad line regions with reverberation mapping data: confirmation of the two-component broad line region model. Science China: Physics, Mechanics and Astronomy, 2010, 53, 196-201.	5.1	4
26	Deprojection of external barred galaxies from photometry. Monthly Notices of the Royal Astronomical Society, 2021, 508, 6209-6222.	4.4	3
27	RESULTS FROM LONG-TERM OPTICAL MONITORING OF THE SOFT X-RAY TRANSIENT SAX J1810.8-2609. Astrophysical Journal, 2012, 761, 118.	4.5	1
28	The relaxation of galaxy clusters at redshift $z = 0$ in IllustrisTNG simulation. Research in Astronomy and Astrophysics, 2020, 20, 198.	1.7	0