Juntai Shen

List of Publications by Year
in descending order

63	2,055	257450	233421
papers	citations	24 h-index	45 g-index

63	63	63	1647
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gas Dynamics in the Galaxy: Total Mass Distribution and the Bar Pattern Speed. Astrophysical Journal, 2022, 925, 71.	4.5	20
2	3D intrinsic shapes of quiescent galaxies in observations and simulations. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4814-4832.	4.4	6
3	Blanco DECam Bulge Survey (BDBS) IV: Metallicity distributions and bulge structure from 2.6 million red clump stars. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1469-1491.	4.4	10
4	Understanding the Velocity Distribution of the Galactic Bulge with APOGEE and Gaia. Astrophysical Journal, 2021, 908, 21.	4.5	5
5	Unravelling stellar populations in the Andromeda Galaxy. Astronomy and Astrophysics, 2021, 647, A131.	5.1	6
6	A LAMOST BHB Catalog and Kinematics Therein. I. Catalog and Halo Properties. Astrophysical Journal, 2021, 912, 32.	4.5	4
7	An Empirical Proxy for the Second Integral of Motion in Rotating Barred or Tri-axial Potentials. Astrophysical Journal Letters, 2021, 913, L22.	8.3	1
8	Constraints on the Assembly History of the Milky Way's Smooth, Diffuse Stellar Halo from the Metallicity-dependent, Radially Dominated Velocity Anisotropy Profiles Probed with K Giants and BHB Stars Using LAMOST, SDSS/SEGUE, and Gaia. Astrophysical Journal, 2021, 919, 66.	4.5	23
9	Mapping the tilt of the Milky Way bulge velocity ellipsoids with ARGOS and Gaia DR2. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1740-1752.	4.4	8
10	Deprojection of external barred galaxies from photometry. Monthly Notices of the Royal Astronomical Society, 2021, 508, 6209-6222.	4.4	3
11	Split Invariant Curves in Rotating Bar Potentials. Astrophysical Journal, 2021, 921, 162.	4.5	0
12	The Flattening Metallicity Gradient in the Milky Wayâ€™s Thin Disk. Astrophysical Journal, 2021, 922, 189.	4.5	12
13	Kinematics of RR Lyrae stars in the Galactic bulge with OGLE-IV and Gaia DR2. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5629-5642.	4.4	12
14	The Blanco DECam bulge survey. I. The survey description and early results. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2340-2356.	4.4	14
15	The bar and spiral arms in the Milky Way: structure and kinematics. Research in Astronomy and Astrophysics, 2020, 20, 159.	1.7	24
16	Testing the Prediction of Fuzzy Dark Matter Theory in the Milky Way Center. Astrophysical Journal, 2020, 889, 88.	4.5	20
17	Dissecting the Phase Space Snail Shell. Astrophysical Journal, 2020, 890, 85.	4.5	26
18	Testing the Tremaineâ€“Weinberg Method Applied to Integral-field Spectroscopic Data Using a Simulated Barred Galaxy. Astrophysical Journal, 2019, 884, 23.	4.5	17

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19	Fast inflows as the adjacent fuel of supermassive black hole accretion disks in quasars. Nature, 2019, 573, 83-86.	27.8	17
20	The global stability of M33: still a puzzle. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4710-4723.	4.4	25
21	Anisotropy of the Milky Wayâ€™s Stellar Halo Using K Giants from LAMOST and Gaia. Astronomical Journal, 2019, 157, 104.	4.7	47
22	Dissecting the phase space snail shell. Proceedings of the International Astronomical Union, 2019, 14, 10-12.	0.0	0
23	The puzzle of unbarred galaxies. Proceedings of the International Astronomical Union, 2019, 14, 154-154.	0.0	0
24	Galactic mass and anisotropy profile with halo K-giant and blue horizontal branch stars from LAMOST/SDSS and Gaia. Proceedings of the International Astronomical Union, 2019, 14, 91-95.	0.0	0
25	Shape of LOSVDs in Barred Disks: Implications for Future IFU Surveys. Astrophysical Journal, 2018, 854, 65.	4.5	11
26	Orbital decomposition of CALIFA spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3000-3018.	4.4	64
27	The Local Spiral Arm in the LAMOST-Gaia Common Stars?. Astrophysical Journal Letters, 2017, 835, L18.	8.3	16
28	Orthogonal Vertical Velocity Dispersion Distributions Produced by Bars. Astrophysical Journal, 2017, 836, 181.	4.5	6
29	Chemical Abundances and Ages of the Bulge Stars in APOGEE High-velocity Peaks. Astrophysical Journal, 2017, 847, 74.	4.5	7
30	Rapid Formation of Black Holes in Galaxies: A Self-limiting Growth Mechanism. Astrophysical Journal, 2017, 850, 67.	4.5	12
31	On the orbits that generate the X-shape in the Milky Way bulge. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1526-1541.	4.4	28
32	Black Hole Growth in Disk Galaxies Mediated by the Secular Evolution of Short Bars. Astrophysical Journal Letters, 2017, 844, L15.	8.3	14
33	BEFORE THE BAR: KINEMATIC DETECTION OF A SPHEROIDAL METAL-POOR BULGE COMPONENT. Astrophysical Journal Letters, 2016, 821, L25.	8.3	82
34	GAS DYNAMICS IN THE MILKY WAY: A LOW PATTERN SPEED MODEL. Astrophysical Journal, 2016, 824, 13.	4.5	58
35	A UNIFIED FRAMEWORK FOR THE ORBITAL STRUCTURE OF BARS AND TRIAXIAL ELLIPSOIDS. Astrophysical Journal, 2016, 818, 141.	4.5	38
36	Theoretical Models of the Galactic Bulge. Astrophysics and Space Science Library, 2016, , 233-260.	2.7	11

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37	KINEMATIC PROPERTIES OF DOUBLE-BARRED GALAXIES: SIMULATIONS VERSUS INTEGRAL-FIELD OBSERVATIONS. Astrophysical Journal, 2016, 828, 14.	4.5	13
38	MAPPING THE THREE-DIMENSIONAL â€œX-SHAPED STRUCTUREâ€•IN MODELS OF THE GALACTIC BULGE. Astrophysical Journal Letters, 2015, 815, L20.	8.3	20
39	RESONANT ORBITS AND THE HIGH VELOCITY PEAKS TOWARD THE BULGE. Astrophysical Journal, 2015, 812, 146.	4.5	24
40	FORMING DOUBLE-BARRED GALAXIES FROM DYNAMICALLY COOL INNER DISKS. Astrophysical Journal, 2015, 804, 139.	4.5	21
41	The X-shaped Milky Way bulge in OGLE-IIIâ˜… photometry and in N-body models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1535-1549.	4.4	40
42	KINEMATICS OF THE X-SHAPED MILKY WAY BULGE: EXPECTATIONS FROM A SELF-CONSISTENTN-BODY MODEL. Astrophysical Journal, 2015, 808, 75.	4.5	21
43	HYDRODYNAMICAL SIMULATIONS OF NUCLEAR RINGS IN BARRED GALAXIES. Astrophysical Journal, 2015, 806, 150.	4.5	57
44	RESONANT CLUMPING AND SUBSTRUCTURE IN GALACTIC DISKS. Astrophysical Journal, 2015, 804, 80.	4.5	10
45	The effect of bars on the Mâ€¢Ïƒe relation: offset, scatter and residuals correlations. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1243-1259.	4.4	30
46	ARE HIGH VELOCITY PEAKS IN THE MILKY WAY BULGE DUE TO THE BAR?. Astrophysical Journal Letters, 2014, 785, L17.	8.3	18
47	UNCERTAINTIES IN THE DEPROJECTION OF THE OBSERVED BAR PROPERTIES. Astrophysical Journal, 2014, 791, 11.	4.5	21
48	A Schwarzschild model of the Galactic bar with initial density from N-body simulations. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3437-3443.	4.4	25
49	Made-to-measure galaxy models â€“ III. Modelling with Milky Way observations. Monthly Notices of the Royal Astronomical Society, 2013, 428, 3478-3486.	4.4	38
50	ON THE OFFSET OF BARRED GALAXIES FROM THE BLACK HOLEM_{BH}Ïƒ RELATIONSHIP. Astrophysical Journal, 2013, 778, 151.	4.5	28
51	Dynamical Modeling of the Milky Way Bugle. Proceedings of the International Astronomical Union, 2013, 9, 201-206.	0.0	4
52	Multiple bars and secular evolution. Proceedings of the International Astronomical Union, 2012, 10, 327-327.	0.0	0
53	THE BULGE RADIAL VELOCITY ASSAY (BRAVA). II. COMPLETE SAMPLE AND DATA RELEASE. Astronomical Journal, 2012, 143, 57.	4.7	195
54	THE VERTICAL X-SHAPED STRUCTURE IN THE MILKY WAY: EVIDENCE FROM A SIMPLE BOXY BULGE MODEL. Astrophysical Journal Letters, 2012, 757, L7.	8.3	57

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55	ORBIT-BASED DYNAMICAL MODELS OF THE SOMBRERO GALAXY (NGC 4594). Astrophysical Journal, 2011, 739, 21.	4.5	45
56	OUR MILKY WAY AS A PURE-DISK GALAXYâ€"A CHALLENGE FOR GALAXY FORMATION. Astrophysical Journal Letters, 2010, 720, L72-L76.	8.3	267
57	THE SUPERMASSIVE BLACK HOLE AND DARK MATTER HALO OF NGC 4649 (M60). Astrophysical Journal, 2010, 711, 484-494.	4.5	84
58	OBSERVABLE PROPERTIES OF DOUBLE-BARRED GALAXIES INN-BODY SIMULATIONS. Astrophysical Journal, 2009, 690, 758-772.	4.5	30
59	Tests of the Radial Tremaineâ€Weinberg Method. Astrophysical Journal, 2008, 676, 899-919.	4.5	33
60	Long-lived Double-barred Galaxies from Pseudobulges. Astrophysical Journal, 2007, 654, L127-L130.	4.5	51
61	Galactic warps induced by cosmic infall. Monthly Notices of the Royal Astronomical Society, 2006, 370, 2-14.	4.4	87
62	The Destruction of Bars by Central Mass Concentrations. Astrophysical Journal, 2004, 604, 614-631.	4.5	186
63	Numerical study of asymmetric driven reconnection at dayside magnetopause. Science in China Series D: Earth Sciences, 2000, 43, 129-145.	0.9	3