

Juntai Shen

List of Publications by Year in descending order

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63
papers

2,055
citations

257450

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233421

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docs citations

63
times ranked

1647
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | OUR MILKY WAY AS A PURE-DISK GALAXYâ€”A CHALLENGE FOR GALAXY FORMATION. <i>Astrophysical Journal Letters</i> , 2010, 720, L72-L76. | 8.3 | 267 |
| 2 | THE BULGE RADIAL VELOCITY ASSAY (BRAVA). II. COMPLETE SAMPLE AND DATA RELEASE. <i>Astronomical Journal</i> , 2012, 143, 57. | 4.7 | 195 |
| 3 | The Destruction of Bars by Central Mass Concentrations. <i>Astrophysical Journal</i> , 2004, 604, 614-631. | 4.5 | 186 |
| 4 | Galactic warps induced by cosmic infall. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 2-14. | 4.4 | 87 |
| 5 | THE SUPERMASSIVE BLACK HOLE AND DARK MATTER HALO OF NGC 4649 (M60). <i>Astrophysical Journal</i> , 2010, 711, 484-494. | 4.5 | 84 |
| 6 | BEFORE THE BAR: KINEMATIC DETECTION OF A SPHEROIDAL METAL-POOR BULGE COMPONENT. <i>Astrophysical Journal Letters</i> , 2016, 821, L25. | 8.3 | 82 |
| 7 | Orbital decomposition of CALIFA spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3000-3018. | 4.4 | 64 |
| 8 | GAS DYNAMICS IN THE MILKY WAY: A LOW PATTERN SPEED MODEL. <i>Astrophysical Journal</i> , 2016, 824, 13. | 4.5 | 58 |
| 9 | THE VERTICAL X-SHAPED STRUCTURE IN THE MILKY WAY: EVIDENCE FROM A SIMPLE BOXY BULGE MODEL. <i>Astrophysical Journal Letters</i> , 2012, 757, L7. | 8.3 | 57 |
| 10 | HYDRODYNAMICAL SIMULATIONS OF NUCLEAR RINGS IN BARRED GALAXIES. <i>Astrophysical Journal</i> , 2015, 806, 150. | 4.5 | 57 |
| 11 | Long-lived Double-barred Galaxies from Pseudobulges. <i>Astrophysical Journal</i> , 2007, 654, L127-L130. | 4.5 | 51 |
| 12 | Anisotropy of the Milky Wayâ€™s Stellar Halo Using K Giants from LAMOST and Gaia. <i>Astronomical Journal</i> , 2019, 157, 104. | 4.7 | 47 |
| 13 | ORBIT-BASED DYNAMICAL MODELS OF THE SOMBRERO GALAXY (NGC 4594). <i>Astrophysical Journal</i> , 2011, 739, 21. | 4.5 | 45 |
| 14 | The X-shaped Milky Way bulge in OGLE-IIIâ€™... photometry and in N-body models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1535-1549. | 4.4 | 40 |
| 15 | Made-to-measure galaxy models â€” III. Modelling with Milky Way observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 3478-3486. | 4.4 | 38 |
| 16 | A UNIFIED FRAMEWORK FOR THE ORBITAL STRUCTURE OF BARS AND TRIAXIAL ELLIPSOIDS. <i>Astrophysical Journal</i> , 2016, 818, 141. | 4.5 | 38 |
| 17 | Tests of the Radial Tremaineâ€™Weinberg Method. <i>Astrophysical Journal</i> , 2008, 676, 899-919. | 4.5 | 33 |
| 18 | OBSERVABLE PROPERTIES OF DOUBLE-BARRED GALAXIES IN N-BODY SIMULATIONS. <i>Astrophysical Journal</i> , 2009, 690, 758-772. | 4.5 | 30 |

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|----|--|------|-----------|
| 19 | The effect of bars on the $M\text{-}\dot{M}$ relation: offset, scatter and residuals correlations. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1243-1259. | 4.4 | 30 |
| 20 | ON THE OFFSET OF BARRED GALAXIES FROM THE BLACK HOLE $M\text{-}\dot{M}$ RELATIONSHIP. Astrophysical Journal, 2013, 778, 151. | 4.5 | 28 |
| 21 | 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 |
| 22 | Dissecting the Phase Space Snail Shell. Astrophysical Journal, 2020, 890, 85. | 4.5 | 26 |
| 23 | 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 |
| 24 | The global stability of M33: still a puzzle. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4710-4723. | 4.4 | 25 |
| 25 | RESONANT ORBITS AND THE HIGH VELOCITY PEAKS TOWARD THE BULGE. Astrophysical Journal, 2015, 812, 146. | 4.5 | 24 |
| 26 | The bar and spiral arms in the Milky Way: structure and kinematics. Research in Astronomy and Astrophysics, 2020, 20, 159. | 1.7 | 24 |
| 27 | 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 |
| 28 | UNCERTAINTIES IN THE DEPROJECTION OF THE OBSERVED BAR PROPERTIES. Astrophysical Journal, 2014, 791, 11. | 4.5 | 21 |
| 29 | FORMING DOUBLE-BARRED GALAXIES FROM DYNAMICALLY COOL INNER DISKS. Astrophysical Journal, 2015, 804, 139. | 4.5 | 21 |
| 30 | KINEMATICS OF THE X-SHAPED MILKY WAY BULGE: EXPECTATIONS FROM A SELF-CONSISTENT N -BODY MODEL. Astrophysical Journal, 2015, 808, 75. | 4.5 | 21 |
| 31 | MAPPING THE THREE-DIMENSIONAL X -SHAPED STRUCTURE IN MODELS OF THE GALACTIC BULGE. Astrophysical Journal Letters, 2015, 815, L20. | 8.3 | 20 |
| 32 | Testing the Prediction of Fuzzy Dark Matter Theory in the Milky Way Center. Astrophysical Journal, 2020, 889, 88. | 4.5 | 20 |
| 33 | Gas Dynamics in the Galaxy: Total Mass Distribution and the Bar Pattern Speed. Astrophysical Journal, 2022, 925, 71. | 4.5 | 20 |
| 34 | ARE HIGH VELOCITY PEAKS IN THE MILKY WAY BULGE DUE TO THE BAR?. Astrophysical Journal Letters, 2014, 785, L17. | 8.3 | 18 |
| 35 | Testing the Tremaine-Weinberg Method Applied to Integral-field Spectroscopic Data Using a Simulated Barred Galaxy. Astrophysical Journal, 2019, 884, 23. | 4.5 | 17 |
| 36 | Fast inflows as the adjacent fuel of supermassive black hole accretion disks in quasars. Nature, 2019, 573, 83-86. | 27.8 | 17 |

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|----|---|-----|-----------|
| 37 | The Local Spiral Arm in the LAMOST-Gaia Common Stars?. <i>Astrophysical Journal Letters</i> , 2017, 835, L18. | 8.3 | 16 |
| 38 | The Blanco DECam bulge survey. I. The survey description and early results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2340-2356. | 4.4 | 14 |
| 39 | Black Hole Growth in Disk Galaxies Mediated by the Secular Evolution of Short Bars. <i>Astrophysical Journal Letters</i> , 2017, 844, L15. | 8.3 | 14 |
| 40 | KINEMATIC PROPERTIES OF DOUBLE-BARRED GALAXIES: SIMULATIONS VERSUS INTEGRAL-FIELD OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 828, 14. | 4.5 | 13 |
| 41 | Rapid Formation of Black Holes in Galaxies: A Self-limiting Growth Mechanism. <i>Astrophysical Journal</i> , 2017, 850, 67. | 4.5 | 12 |
| 42 | Kinematics of RR Lyrae stars in the Galactic bulge with OGLE-IV and Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5629-5642. | 4.4 | 12 |
| 43 | The Flattening Metallicity Gradient in the Milky Way's Thin Disk. <i>Astrophysical Journal</i> , 2021, 922, 189. | 4.5 | 12 |
| 44 | Shape of LOSVDs in Barred Disks: Implications for Future IFU Surveys. <i>Astrophysical Journal</i> , 2018, 854, 65. | 4.5 | 11 |
| 45 | Theoretical Models of the Galactic Bulge. <i>Astrophysics and Space Science Library</i> , 2016, , 233-260. | 2.7 | 11 |
| 46 | RESONANT CLUMPING AND SUBSTRUCTURE IN GALACTIC DISKS. <i>Astrophysical Journal</i> , 2015, 804, 80. | 4.5 | 10 |
| 47 | Blanco DECam Bulge Survey (BDBS) IV: Metallicity distributions and bulge structure from 2.6 million red clump stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1469-1491. | 4.4 | 10 |
| 48 | Mapping the tilt of the Milky Way bulge velocity ellipsoids with ARGOS and Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1740-1752. | 4.4 | 8 |
| 49 | Chemical Abundances and Ages of the Bulge Stars in APOGEE High-velocity Peaks. <i>Astrophysical Journal</i> , 2017, 847, 74. | 4.5 | 7 |
| 50 | Orthogonal Vertical Velocity Dispersion Distributions Produced by Bars. <i>Astrophysical Journal</i> , 2017, 836, 181. | 4.5 | 6 |
| 51 | Unravelling stellar populations in the Andromeda Galaxy. <i>Astronomy and Astrophysics</i> , 2021, 647, A131. | 5.1 | 6 |
| 52 | 3D intrinsic shapes of quiescent galaxies in observations and simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4814-4832. | 4.4 | 6 |
| 53 | Understanding the Velocity Distribution of the Galactic Bulge with APOGEE and Gaia. <i>Astrophysical Journal</i> , 2021, 908, 21. | 4.5 | 5 |
| 54 | Dynamical Modeling of the Milky Way Bulge. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 201-206. | 0.0 | 4 |

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|----|--|-----|-----------|
| 55 | A LAMOST BHB Catalog and Kinematics Therein. I. Catalog and Halo Properties. <i>Astrophysical Journal</i> , 2021, 912, 32. | 4.5 | 4 |
| 56 | Numerical study of asymmetric driven reconnection at dayside magnetopause. <i>Science in China Series D: Earth Sciences</i> , 2000, 43, 129-145. | 0.9 | 3 |
| 57 | Deprojection of external barred galaxies from photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 6209-6222. | 4.4 | 3 |
| 58 | An Empirical Proxy for the Second Integral of Motion in Rotating Barred or Tri-axial Potentials. <i>Astrophysical Journal Letters</i> , 2021, 913, L22. | 8.3 | 1 |
| 59 | Multiple bars and secular evolution. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 327-327. | 0.0 | 0 |
| 60 | Dissecting the phase space snail shell. <i>Proceedings of the International Astronomical Union</i> , 2019, 14, 10-12. | 0.0 | 0 |
| 61 | The puzzle of unbarred galaxies. <i>Proceedings of the International Astronomical Union</i> , 2019, 14, 154-154. | 0.0 | 0 |
| 62 | Galactic mass and anisotropy profile with halo K-giant and blue horizontal branch stars from LAMOST/SDSS and Gaia. <i>Proceedings of the International Astronomical Union</i> , 2019, 14, 91-95. | 0.0 | 0 |
| 63 | Split Invariant Curves in Rotating Bar Potentials. <i>Astrophysical Journal</i> , 2021, 921, 162. | 4.5 | 0 |