Sijing Shen

List of Publications by Year
in descending order

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33 papers	2,430 citations	279798 23 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	2698 citing authors

#	Article	IF	Citations
1	BARYONS MATTER: WHY LUMINOUS SATELLITE GALAXIES HAVE REDUCED CENTRAL MASSES. Astrophysical Journal, 2012, 761, 71.	4.5	278
2	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. Astrophysical Journal, Supplement Series, 2014, 210, 14.	7.7	185
3	THE CIRCUMGALACTIC MEDIUM OF MASSIVE GALAXIES ATzâˆ¼ 3: A TEST FOR STELLAR FEEDBACK, GALACTIC OUTFLOWS, AND COLD STREAMS. Astrophysical Journal, 2013, 765, 89.	4.5	168
4	THE HISTORY OFR-PROCESS ENRICHMENT IN THE MILKY WAY. Astrophysical Journal, 2015, 807, 115.	4.5	153
5	Implementing molecular hydrogen in hydrodynamic simulations of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2012, 425, 3058-3076.	4.4	138
6	magicc haloes: confronting simulations with observations of the circumgalactic medium at z=0. Monthly Notices of the Royal Astronomical Society, 2012, 425, 1270-1277.	4.4	119
7	THE BARYON CYCLE OF DWARF GALAXIES: DARK, BURSTY, GAS-RICH POLLUTERS. Astrophysical Journal, 2014, 792, 99.	4.5	117
8	THE DUAL ORIGIN OF STELLAR HALOS. II. CHEMICAL ABUNDANCES AS TRACERS OF FORMATION HISTORY. Astrophysical Journal, 2010, 721, 738-743.	4.5	101
9	WANDERING BLACK HOLES IN BRIGHT DISK GALAXY HALOS. Astrophysical Journal Letters, 2010, 721, L148-L152.	8.3	99
10	DARK MATTER HEATING AND EARLY CORE FORMATION IN DWARF GALAXIES. Astrophysical Journal Letters, 2014, 789, L17.	8.3	97
11	THE FIRST MASSIVE BLACK HOLE SEEDS AND THEIR HOSTS. Astrophysical Journal, 2011, 742, 13.	4.5	88
12	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. II. ISOLATED DISK TEST. Astrophysical Journal, 2016, 833, 202.	4.5	88
13	Ultrafaint Dwarfs in a Milky Way Context: Introducing the Mint Condition DC Justice League Simulations. Astrophysical Journal, 2021, 906, 96.	4.5	88
14	THE ORIGIN OF METALS IN THE CIRCUMGALACTIC MEDIUM OF MASSIVE GALAXIES ATz= 3. Astrophysical Journal, 2012, 760, 50.	4.5	87
15	The FABLE simulations: a feedback model for galaxies, groups, and clusters. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5385-5412.	4.4	86
16	DIRECT FORMATION OF SUPERMASSIVE BLACK HOLES IN METAL-ENRICHED GAS AT THE HEART OF HIGH-REDSHIFT GALAXY MERGERS. Astrophysical Journal, 2015, 810, 51.	4.5	79
17	Supernova feedback in numerical simulations of galaxy formation: separating physics from numerics. Monthly Notices of the Royal Astronomical Society, 2018, 478, 302-331.	4.4	69
18	A lower fragmentation mass scale in high-redshift galaxies and its implications on giant clumps: a systematic numerical study. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2491-2515.	4.4	67

#	Article	IF	Citations
19	A survey of dual active galactic nuclei in simulations of galaxy mergers: frequency and properties. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4437-4454.	4.4	62
20	Tracing Outflowing Metals in Simulations of Dwarf and Spiral Galaxies. Astrophysical Journal, 2018, 867, 142.	4.5	51
21	Galactic Angular Momentum in Cosmological Zoom-in Simulations. I. Disk and Bulge Components and the Galaxyâ€“Halo Connection. Astrophysical Journal, 2017, 835, 289.	4.5	34
22	Cosmological simulations of dwarfs: the need for ISM physics beyond SN feedback alone. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3317-3333.	4.4	27
23	TRANSPORT AND MIXING OF r-PROCESS ELEMENTS IN NEUTRON STAR BINARY MERGER BLAST WAVES. Astrophysical Journal, 2016, 830, 12.	4.5	24
24	Chemical enrichment of stars due to accretion from the ISM during the Galaxy's assembly. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4012-4021.	4.4	19
25	Bar resilience to flybys in a cosmological framework. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5214-5219.	4.4	19
26	Barred galaxies in cosmological zoom-in simulations: the importance of feedback. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1864-1877.	4.4	19
27	DDO 216-A1: A Central Globular Cluster in a Low-luminosity Transition-type Galaxy^{âˆ—}. Astrophysical Journal, 2017, 837, 54.	4.5	17
28	The Dawn of Disk Formation in a Milky Way-sized Galaxy Halo: Thin Stellar Disks at z > 4. Astrophysical Journal, 2022, 928, 106.	4.5	12
29	CONSEQUENCES OF COSMIC MICROWAVE BACKGROUND-REGULATED STAR FORMATION. Astrophysical Journal, 2010, 715, 194-201.	4.5	10
30	Magnetorotational instability with smoothed particle hydrodynamics. Astronomy and Astrophysics, 2022, 659, A91.	5.1	9
31	The Contribution of Outer H i Disks to the Merging Binary Black Hole Population. Astrophysical Journal Letters, 2017, 850, L4.	8.3	8
32	THE PRESSURE OF THE STAR-FORMING INTERSTELLAR MEDIUM IN COSMOLOGICAL SIMULATIONS. Astrophysical Journal Letters, 2014, 781, L14.	8.3	6
33	Smoothed particle magnetohydrodynamics with the geometric density average force expression. Astronomy and Astrophysics, 2020, 638, A140.	5.1	6