

# Sijing Shen

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Magnetorotational instability with smoothed particle hydrodynamics. <i>Astronomy and Astrophysics</i> , 2022, 659, A91.	5.1	9
2	The Dawn of Disk Formation in a Milky Way-sized Galaxy Halo: Thin Stellar Disks at $z \gtrsim 4$ . <i>Astrophysical Journal</i> , 2022, 928, 106.	4.5	12
3	Ultrafaint Dwarfs in a Milky Way Context: Introducing the Mint Condition DC Justice League Simulations. <i>Astrophysical Journal</i> , 2021, 906, 96.	4.5	88
4	Smoothed particle magnetohydrodynamics with the geometric density average force expression. <i>Astronomy and Astrophysics</i> , 2020, 638, A140.	5.1	6
5	Barred galaxies in cosmological zoom-in simulations: the importance of feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1864-1877.	4.4	19
6	Cosmological simulations of dwarfs: the need for ISM physics beyond SN feedback alone. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3317-3333.	4.4	27
7	Tracing Outflowing Metals in Simulations of Dwarf and Spiral Galaxies. <i>Astrophysical Journal</i> , 2018, 867, 142.	4.5	51
8	The FABLE simulations: a feedback model for galaxies, groups, and clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 5385-5412.	4.4	86
9	Supernova feedback in numerical simulations of galaxy formation: separating physics from numerics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 302-331.	4.4	69
10	Bar resilience to flybys in a cosmological framework. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 5214-5219.	4.4	19
11	Galactic Angular Momentum in Cosmological Zoom-in Simulations. I. Disk and Bulge Components and the Galaxy-Halo Connection. <i>Astrophysical Journal</i> , 2017, 835, 289.	4.5	34
12	DDO 216-A1: A Central Globular Cluster in a Low-luminosity Transition-type Galaxy. <i>Astrophysical Journal</i> , 2017, 837, 54.	4.5	17
13	A survey of dual active galactic nuclei in simulations of galaxy mergers: frequency and properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4437-4454.	4.4	62
14	Chemical enrichment of stars due to accretion from the ISM during the Galaxy's assembly. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4012-4021.	4.4	19
15	The Contribution of Outer H I Disks to the Merging Binary Black Hole Population. <i>Astrophysical Journal Letters</i> , 2017, 850, L4.	8.3	8
16	TRANSPORT AND MIXING OF r-PROCESS ELEMENTS IN NEUTRON STAR BINARY MERGER BLAST WAVES. <i>Astrophysical Journal</i> , 2016, 830, 12.	4.5	24
17	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. II. ISOLATED DISK TEST. <i>Astrophysical Journal</i> , 2016, 833, 202.	4.5	88
18	DIRECT FORMATION OF SUPERMASSIVE BLACK HOLES IN METAL-ENRICHED GAS AT THE HEART OF HIGH-REDSHIFT GALAXY MERGERS. <i>Astrophysical Journal</i> , 2015, 810, 51.	4.5	79

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19	THE HISTORY OF $\alpha$ -PROCESS ENRICHMENT IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2015, 807, 115.	4.5	153
20	A lower fragmentation mass scale in high-redshift galaxies and its implications on giant clumps: a systematic numerical study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2491-2515.	4.4	67
21	THE BARYON CYCLE OF DWARF GALAXIES: DARK, BURSTY, GAS-RICH POLLUTERS. <i>Astrophysical Journal</i> , 2014, 792, 99.	4.5	117
22	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. <i>Astrophysical Journal</i> , Supplement Series, 2014, 210, 14.	7.7	185
23	THE PRESSURE OF THE STAR-FORMING INTERSTELLAR MEDIUM IN COSMOLOGICAL SIMULATIONS. <i>Astrophysical Journal Letters</i> , 2014, 781, L14.	8.3	6
24	DARK MATTER HEATING AND EARLY CORE FORMATION IN DWARF GALAXIES. <i>Astrophysical Journal Letters</i> , 2014, 789, L17.	8.3	97
25	THE CIRCUMGALACTIC MEDIUM OF MASSIVE GALAXIES AT $z \approx 3$ : A TEST FOR STELLAR FEEDBACK, GALACTIC OUTFLOWS, AND COLD STREAMS. <i>Astrophysical Journal</i> , 2013, 765, 89.	4.5	168
26	BARYONS MATTER: WHY LUMINOUS SATELLITE GALAXIES HAVE REDUCED CENTRAL MASSES. <i>Astrophysical Journal</i> , 2012, 761, 71.	4.5	278
27	THE ORIGIN OF METALS IN THE CIRCUMGALACTIC MEDIUM OF MASSIVE GALAXIES AT $z = 3$ . <i>Astrophysical Journal</i> , 2012, 760, 50.	4.5	87
28	magicc haloes: confronting simulations with observations of the circumgalactic medium at $z=0$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 1270-1277.	4.4	119
29	Implementing molecular hydrogen in hydrodynamic simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 3058-3076.	4.4	138
30	THE FIRST MASSIVE BLACK HOLE SEEDS AND THEIR HOSTS. <i>Astrophysical Journal</i> , 2011, 742, 13.	4.5	88
31	CONSEQUENCES OF COSMIC MICROWAVE BACKGROUND-REGULATED STAR FORMATION. <i>Astrophysical Journal</i> , 2010, 715, 194-201.	4.5	10
32	WANDERING BLACK HOLES IN BRIGHT DISK GALAXY HALOS. <i>Astrophysical Journal Letters</i> , 2010, 721, L148-L152.	8.3	99
33	THE DUAL ORIGIN OF STELLAR HALOS. II. CHEMICAL ABUNDANCES AS TRACERS OF FORMATION HISTORY. <i>Astrophysical Journal</i> , 2010, 721, 738-743.	4.5	101