

The Taiji Program in Space for gravitational wave physics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Gravitational-wave astronomy: delivering on the promises. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170279.	1.6	13
2	CWs from S-stars Revolving Around SMBH at Sgr A*. Communications in Theoretical Physics, 2018, 70, 735.	1.1	4
3	Gravitational waves and the polarizations in Ho ^Å ™ava gravity after GW170817. Physical Review D, 2018, 98, .	1.6	31
4	Hyperunified field theory and Taiji program in space for GWD. International Journal of Modern Physics A, 2018, 33, 1844014.	0.5	12
5	The Development of Phasemeter for Taiji Space Gravitational Wave Detection. Microgravity Science and Technology, 2018, 30, 775-781.	0.7	25
6	Effective decrease of photoelectric emission threshold from gold plated surfaces. Review of Scientific Instruments, 2019, 90, 064501.	0.6	18
7	Detectability of gravitational waves from the coalescence of massive primordial black holes with initial clustering. Physical Review D, 2019, 100, .	1.6	16
8	Testing dispersion of gravitational waves from eccentric extreme-mass-ratio inspirals. International Journal of Modern Physics D, 2019, 28, 1950166.	0.9	3
9	Gravitational waves from extreme-mass-ratio inspirals using general parametrized metrics. Physical Review D, 2019, 100, .	1.6	11
10	Demonstration of an Ultraprecise Optical Bench for the Taiji Space Gravitational Wave Detection Pathfinder Mission. Applied Sciences (Switzerland), 2019, 9, 2087.	1.3	15
11	Dark quark nuggets. Physical Review D, 2019, 99, .	1.6	86
12	Estimation of spectrum and parameters of relic gravitational waves using space-borne interferometers. Research in Astronomy and Astrophysics, 2019, 19, 024.	0.7	5
13	Frequency response of space-based interferometric gravitational-wave detectors. Physical Review D, 2019, 99, .	1.6	29
14	Numerical simulation of time delay interferometry for TAIJI and new LISA. Research in Astronomy and Astrophysics, 2019, 19, 058.	0.7	19
15	Motion deviation of test body induced by spin and cosmological constant in extreme mass ratio inspiral binary system. European Physical Journal C, 2019, 79, 1.	1.4	7
16	Frequency response of time-delay interferometry for space-based gravitational wave antenna. Physical Review D, 2019, 100, .	1.6	18
17	Constraints on primordial curvature perturbations from primordial black hole dark matter and secondary gravitational waves. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 031-031.	1.9	55
18	Electroweak phase transition with composite Higgs models: calculability, gravitational waves and collider searches. Journal of High Energy Physics, 2019, 2019, 1.	1.6	47

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19	A Bright Electromagnetic Counterpart to Extreme Mass Ratio Inspirals. <i>Astrophysical Journal Letters</i> , 2019, 886, L22.	3.0	12
20	Analytical analysis on the orbits of Taiji spacecrafts. <i>Physical Review D</i> , 2019, 100, .	1.6	6
21	Orbit design for space atom-interferometer AIGSO. <i>International Journal of Modern Physics D</i> , 2020, 29, 1940004.	0.9	7
22	A Laser Interferometer Prototype with Pico-Meter Measurement Precision for Taiji Space Gravitational Wave Detection Mission in China. <i>Microgravity Science and Technology</i> , 2020, 32, 331-338.	0.7	11
23	Numerical modeling and experimental demonstration of pulsed charge control for the space inertial sensor used in LISA. <i>Physical Review D</i> , 2020, 102, .	1.6	15
24	Numerical simulation of sky localization for LISA-Taiji joint observation. <i>Physical Review D</i> , 2020, 102, .	1.6	31
25	Orbit design and thruster requirement for various constant arm space mission concepts for gravitational-wave observation. <i>International Journal of Modern Physics D</i> , 2020, 29, 1940006.	0.9	7
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27	A preliminary forecast for cosmological parameter estimation with gravitational-wave standard sirens from TianQin. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 012-012.	1.9	24
28	Experimental demonstration of time-delay interferometry with optical frequency comb. <i>Physical Review D</i> , 2020, 102, .	1.6	14
29	Irreducible background of gravitational waves from a cosmic defect network: Update and comparison of numerical techniques. <i>Physical Review D</i> , 2020, 102, .	1.6	25
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32	Searching for anomalous polarization modes of the stochastic gravitational wave background with LISA and Taiji. <i>Physical Review D</i> , 2020, 102, .	1.6	25
33	Very extreme mass-ratio bursts in the Galaxy and neighbouring galaxies in relation to space-borne detectors. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 498, L61-L65.	1.2	5
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36	Ultraprecision intersatellite laser interferometry. <i>International Journal of Extreme Manufacturing</i> , 2020, 2, 022003.	6.3	18

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38	Primordial black holes and secondary gravitational waves from k and G inflation. Physical Review D, 2020, 101, .	1.6	79
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47	Analytical analysis on the orbits of Taiji spacecrafts to infinite order of the orbital eccentricity. Physical Review D, 2020, 101, .	1.6	1
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61	China's first step towards probing the expanding universe and the nature of gravity using a space borne gravitational wave antenna. Communications Physics, 2021, 4, .	2.0	26
62	Successful application of optical bench in Taiji-1 laser interferometer. International Journal of Modern Physics A, 2021, 36, 2140001.	0.5	3
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64	Effects of the Space Plasma Density Oscillation on the Interspacecraft Laser Ranging for TianQin Gravitational Wave Observatory. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028579.	0.8	6
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75	Performance tests and simulations for Taiji-1 inertial sensor. International Journal of Modern Physics A, 2021, 36, 2140011.	0.5	1
76	System modeling in data processing of Taiji-1 mission. International Journal of Modern Physics A, 2021, 36, 2140026.	0.5	3
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93	A low-noise analog frontend design for the Taiji phasemeter prototype. <i>Review of Scientific Instruments</i> , 2021, 92, 054501.	0.6	6
94	Accuracy of parameter estimations with a spaceborne gravitational wave observatory. <i>Physical Review D</i> , 2021, 103, .	1.6	10
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102	Sensitivity functions of space-borne gravitational wave detectors for arbitrary time-delay interferometry combinations regarding nontensorial polarizations. <i>Physical Review D</i> , 2021, 104, .	1.6	10
103	Qualifying ringdown and shadow of black holes under general parametrized metrics with photon orbits. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	10
104	Alternative LISA-TAIJI networks. <i>Physical Review D</i> , 2021, 104, .	1.6	16
105	Drop tower tests of Taiji-1 inertial sensor substitute. <i>Npj Microgravity</i> , 2021, 7, 25.	1.9	3
106	Thermal Noise Decoupling of Micro-Newton Thrust Measured in a Torsion Balance. <i>Symmetry</i> , 2021, 13, 1357.	1.1	3
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129	Cosmological collider signatures of massive vectors from non-Gaussian gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 049-049.	1.9	28
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141	Forecast for cosmological parameter estimation with gravitational-wave standard sirens from the LISA-Taiji network. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	2.0	30
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177	Massive black hole binaries and where to find them with dual detector networks. <i>Physical Review D</i> , 2022, 105, .	1.6	14
178	Circularization versus eccentricification in intermediate mass ratio inspirals inside dark matter spikes. <i>Physical Review D</i> , 2022, 105, .	1.6	11
179	Tracing astrophysical black hole seeds and primordial black holes with LISA-Taiji network. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 6217-6224.	1.6	2
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