Alan J Weinstein

List of Publications by Year
in descending order

22 papers	2,633 citations	471061 17 h-index	752256 20 g-index
22 all docs	22 docs citations	22 times ranked	3506 citing authors

#	Article	IF	Citations
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	8.2	808
2	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
3	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
4	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	225
5	Characterization of systematic error in Advanced LIGO calibration. Classical and Quantum Gravity, 2020, 37, 225008.	1.5	98
6	Calibration uncertainty for Advanced LIGOâ€™s first and second observing runs. Physical Review D, 2017, 96, .	1.6	97
7	Improving the sensitivity of a search for coalescing binary black holes with nonprecessing spins in gravitational wave data. Physical Review D, 2014, 89, .	1.6	93
8	Probing dynamical gravity with the polarization of continuous gravitational waves. Physical Review D, 2017, 96, .	1.6	66
9	The Advanced LIGO photon calibrators. Review of Scientific Instruments, 2016, 87, 114503.	0.6	65
10	Reconstructing the calibrated strain signal in the Advanced LIGO detectors. Classical and Quantum Gravity, 2018, 35, 095015.	1.5	57
11	Detecting beyond-Einstein polarizations of continuous gravitational waves. Physical Review D, 2015, 91, .	1.6	54
12	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. Astrophysical Journal, 2017, 841, 89.	1.6	52
13	Frequency response of space-based interferometric gravitational-wave detectors. Physical Review D, 2019, 99, .	1.6	29
14	Improving LIGO calibration accuracy by tracking and compensating for slow temporal variations. Classical and Quantum Gravity, 2017, 34, 015002.	1.5	25
15	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
16	Observing gravitational waves with a single detector. Classical and Quantum Gravity, 2017, 34, 155007.	1.5	19
17	Frequency response of time-delay interferometry for space-based gravitational wave antenna. Physical Review D, 2019, 100, .	1.6	18
18	Full analytical formulas for frequency response of space-based gravitational wave detectors. Physical Review D, 2020, 101, .	1.6	14

#	Article	IF	Citations
19	Astronomy and astrophysics with gravitational waves in the advanced detector era. Classical and Quantum Gravity, 2012, 29, 124012.	1.5	8
20	Investigation of the effects of non-Gaussian noise transients and their mitigation in parameterized gravitational-wave tests of general relativity. Physical Review D, 2022, 105, .	1.6	8
21	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
22	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1