Farid Ya Khalili

List of Publications by Year
in descending order

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29 papers	3,627 citations	394421 19 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	4420 citing authors

#	Article	IF	Citations
1	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
2	Trajectories Without Quantum Uncertainties in Composite Systems with Disparate Energy Spectra. PRX Quantum, 2022, 3, .	9.2	1
3	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
4	Quantum limits for stationary force sensing. Physical Review A, 2021, 103, .	2.5	3
5	Overcoming detection loss and noise in squeezing-based optical sensing. Npj Quantum Information, 2021, 7, .	6.7	28
6	Broadening the high sensitivity range of squeezing-assisted interferometers by means of two-channel detection. Optics Express, 2021, 29, 95.	3.4	9
7	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
8	Gravitational wave detection beyond the standard quantum limit using a negative-mass spin system and virtual rigidity. Physical Review D, 2019, 100, .	4.7	17
9	Advanced quantum techniques for future gravitational-wave detectors. Living Reviews in Relativity, 2019, 22, 1.	26.7	39
10	Overcoming inefficient detection in sub-shot-noise absorption measurement and imaging. Optics Express, 2019, 27, 7868.	3.4	18
11	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
12	A new quantum speed-meter interferometer: measuring speed to search for intermediate mass black holes. Light: Science and Applications, 2018, 7, 11.	16.6	24
13	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
14	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
15	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.	4.5	52
16	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225
17	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
18	Quantum Optomechanics. Progress in Optics, 2016, 61, 113-236.	0.6	17

#	Article	IF	Citations
19	Universal Decoherence under Gravity: A Perspective through the Equivalence Principle. Physical Review Letters, 2016, 117, 090401.	7.8	29
20	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1
21	Paired carriers as a way to reduce quantum noise of multicarrier gravitational-wave detectors. Physical Review D, 2015, 91, .	4.7	3
22	Observation of Generalized Optomechanical Coupling and Cooling on Cavity Resonance. Physical Review Letters, 2015, 114, 043601.	7.8	89
23	Anomalous dynamic backaction in interferometers. Physical Review A, 2013, 88, .	2.5	35
24	Quantum Measurement Theory in Gravitational-Wave Detectors. Living Reviews in Relativity, 2012, 15, 5.	26.7	134
25	Quantum back-action in measurements of zero-point mechanical oscillations. Physical Review A, 2012, 86, .	2.5	56
26	QND measurements for future gravitational-wave detectors. General Relativity and Gravitation, 2011, 43, 671-694.	2.0	43
27	Increasing the sensitivity of future gravitational-wave detectors with double squeezed-input. Physical Review D, 2009, 80, .	4.7	12
28	Noise in gravitational-wave detectors and other classical-force measurements is not influenced by test-mass quantization. Physical Review D, 2003, 67, .	4.7	62
29	Energetic quantum limit in large-scale interferometers. AIP Conference Proceedings, 2000, , .	0.4	29