

Shih-Yuin Lin

List of Publications by Year in descending order

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papers

668
citations

623734

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552781

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33
all docs

33
docs citations

33
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Backreaction and the Unruh effect: New insights from exact solutions of uniformly accelerated detectors. <i>Physical Review D</i> , 2007, 76, .	4.7	73
2	Relativistic quantum information in detectorsâ€™field interactions. <i>Classical and Quantum Gravity</i> , 2012, 29, 224005.	4.0	71
3	Accelerated detector-quantum field correlations: From vacuum fluctuations to radiation flux. <i>Physical Review D</i> , 2006, 73, .	4.7	69
4	Entanglement creation between two causally disconnected objects. <i>Physical Review D</i> , 2010, 81, .	4.7	63
5	Disentanglement of two harmonic oscillators in relativistic motion. <i>Physical Review D</i> , 2008, 78, .	4.7	50
6	Temporal and spatial dependence of quantum entanglement from a field theory perspective. <i>Physical Review D</i> , 2009, 79, .	4.7	44
7	Entanglement dynamics between inertial and non-uniformly accelerated detectors. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	44
8	Unruh effect under non-equilibrium conditions: oscillatory motion of an Unruh-DeWitt detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	41
9	Electromagnetic and gravitational self-force on a relativistic particle from quantum fields in curved space. <i>Physical Review D</i> , 2006, 74, .	4.7	33
10	Quantum entanglement and entropy in particle creation. <i>Physical Review D</i> , 2010, 81, .	4.7	21
11	Quantum teleportation between moving detectors. <i>Physical Review D</i> , 2015, 91, .	4.7	21
12	Entanglement, recoherence and information flow in an accelerated detectorâ€™quantum field system: implications for the black hole information issue. <i>Classical and Quantum Gravity</i> , 2008, 25, 154004.	4.0	16
13	Mirror-field entanglement in a microscopic model for quantum optomechanics. <i>Physical Review A</i> , 2015, 92, .	2.5	15
14	Entanglement dynamics of detectors in an Einstein cylinder. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	15
15	Fluctuation-dissipation and correlation-propagation relations from the nonequilibrium dynamics of detector-quantum field systems. <i>Physical Review D</i> , 2019, 100, .	4.7	14
16	Fluctuation-dissipation and correlation-propagation relations in $(1+\hat{a}^3)D$ moving detector-quantum field systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 694-699.	4.1	11
17	Instantaneous spatially local projective measurements are consistent in a relativistic quantum field. <i>Annals of Physics</i> , 2012, 327, 3102-3115.	2.8	8
18	Notes on nonlocal projective measurements in relativistic systems. <i>Annals of Physics</i> , 2014, 351, 773-786.	2.8	8

#	ARTICLE	IF	CITATIONS
19	New Insights into Uniformly Accelerated Detector in a Quantum Field. Foundations of Physics, 2007, 37, 480-490.	1.3	7
20	Boundary effects on quantum entanglement and its dynamics in a detector-field system. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
21	Unruh-DeWitt-type monopole detector in (3+1)-dimensional space-time. Physical Review D, 2003, 68, .	4.7	6
22	Quantum radiation by an Unruh-DeWitt detector in oscillatory motion. Journal of High Energy Physics, 2017, 2017, 1.	4.7	6
23	Unruh-DeWitt detectors as mirrors: Dynamical reflectivity and Casimir effect. Physical Review D, 2018, 98, .	4.7	4
24	Goals and feasibility of the deep space quantum link. , 2021, , .		4
25	Relativistic quantum bouncing particles in a homogeneous gravitational field. International Journal of Modern Physics D, 0, , 2150098.	2.1	4
26	Notes on observational and radar coordinates for localized observers. Physical Review D, 2020, 101, .	4.7	3
27	Quantum teleportation and entanglement swapping with long baseline in outer space. Classical and Quantum Gravity, 2021, 38, 165002.	4.0	3
28	Dynamics of Unruh-DeWitt detectors in a relativistic quantum field. Journal of Physics: Conference Series, 2011, 306, 012060.	0.4	2
29	Late-time quantum radiation by a uniformly accelerated detector in de Sitter spacetime. Physical Review D, 2018, 98, .	4.7	2
30	Quantum states and local projective measurement in a relativistic field. Journal of Physics: Conference Series, 2011, 330, 012004.	0.4	1
31	Seeing through a nearly black star. Physical Review D, 2020, 102, .	4.7	1
32	Radiation by an Unruh-DeWitt detector in oscillatory motion. , 2017, , .		1
33	Uniformly Accelerated Detector in (3+1)D Spacetime: From Vacuum Fluctuations to Radiation Flux. , 2006, , .		0