

# Alessandro Tosini

## List of Publications by Year in descending order

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23  
papers

353  
citations

840776

11  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shannon theory beyond quantum: Information content of a source. <i>Physical Review A</i> , 2022, 105, .	2.5	1
2	Unambiguous discrimination of fermionic states through local operations and classical communication. <i>Physical Review A</i> , 2021, 103, .	2.5	3
3	Fermionic State Discrimination by Local Operations and Classical Communication. <i>Physical Review Letters</i> , 2020, 125, 110403.	7.8	7
4	Data-driven inference, reconstruction, and observational completeness of quantum devices. <i>Physical Review A</i> , 2020, 102, .	2.5	2
5	Thirring quantum cellular automaton. <i>Physical Review A</i> , 2018, 97, .	2.5	25
6	Solutions of a Two-Particle Interacting Quantum Walk. <i>Entropy</i> , 2018, 20, 435.	2.2	16
7	Virtually Abelian quantum walks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 035301.	2.1	5
8	Path-sum solution of the Weyl quantum walk in 3 + 1 dimensions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160394.	3.4	3
9	No-Hypersignaling Principle. <i>Physical Review Letters</i> , 2017, 119, 020401.	7.8	22
10	Discrete Time Dirac Quantum Walk in 3+1 Dimensions. <i>Entropy</i> , 2016, 18, 228.	2.2	5
11	Quantum walks with a one-dimensional coin. <i>Physical Review A</i> , 2016, 93, .	2.5	17
12	Quantum field as a quantum cellular automaton: The Dirac free evolution in one dimension. <i>Annals of Physics</i> , 2015, 354, 244-264.	2.8	57
13	Weyl, Dirac and Maxwell Quantum Cellular Automata. <i>Foundations of Physics</i> , 2015, 45, 1203-1221.	1.3	14
14	Doubly special relativity from quantum cellular automata. <i>Europhysics Letters</i> , 2015, 109, 50003.	2.0	20
15	Free Quantum Field Theory from Quantum Cellular Automata. <i>Foundations of Physics</i> , 2015, 45, 1137-1152.	1.3	12
16	Discrete Feynman propagator for the Weyl quantum walk in 2 + 1 dimensions. <i>Europhysics Letters</i> , 2015, 109, 40012.	2.0	11
17	Fermionic computation is non-local tomographic and violates monogamy of entanglement. <i>Europhysics Letters</i> , 2014, 107, 20009.	2.0	35
18	Path-integral solution of the one-dimensional Dirac quantum cellular automaton. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 3165-3168.	2.1	12

#	ARTICLE	IF	CITATIONS
19	The Feynman problem and fermionic entanglement: Fermionic theory versus qubit theory. International Journal of Modern Physics A, 2014, 29, 1430025.	1.5	33
20	Dirac quantum cellular automaton in one dimension: $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi mathvariant="italic"} \rangle \text{Zitterbewegung} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and scattering from potential. Physical Review A, 2013, 88, .	2.5	25
21	Emergence of space-time from topologically homogeneous causal networks. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2013, 44, 294-299.	1.4	6
22	Testing axioms for quantum theory on probabilistic toy-theories. Quantum Information Processing, 2010, 9, 95-141.	2.2	14
23	Information and disturbance in operational probabilistic theories. Quantum - the Open Journal for Quantum Science, 0, 4, 363.	0.0	8