

Costantino Budroni

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,069
citations

471509

17
h-index

414414

32
g-index

40
all docs

40
docs citations

40
times ranked

635
citing authors

#	ARTICLE	IF	CITATIONS
1	Device-independent quantification of measurement incompatibility. <i>Physical Review Research</i> , 2021, 3, .	3.6	6
2	Ticking-clock performance enhanced by nonclassical temporal correlations. <i>Physical Review Research</i> , 2021, 3, .	3.6	7
3	Disease control as an optimization problem. <i>PLoS ONE</i> , 2021, 16, e0257958.	2.5	3
4	Quantum Temporal Superposition: The Case of Quantum Field Theory. <i>Physical Review Letters</i> , 2020, 125, 131602.	7.8	32
5	Simulating extremal temporal correlations. <i>New Journal of Physics</i> , 2020, 22, 103037.	2.9	10
6	Device-Independent Tests of Structures of Measurement Incompatibility. <i>Physical Review Letters</i> , 2019, 123, 180401.	7.8	9
7	Leggett-Garg macrorealism and the quantum nondisturbance conditions. <i>Physical Review A</i> , 2019, 100, .	2.5	21
8	Memory cost of temporal correlations. <i>New Journal of Physics</i> , 2019, 21, 093018.	2.9	18
9	Contextuality, memory cost and non-classicality for sequential measurements. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190141.	3.4	3
10	Theoretical research without projects. <i>PLoS ONE</i> , 2019, 14, e0214026.	2.5	0
11	Composition rules for quantum processes: a no-go theorem. <i>New Journal of Physics</i> , 2019, 21, 012001.	2.9	4
12	Einstein-Podolsky-Rosen steering: Its geometric quantification and witness. <i>Physical Review A</i> , 2018, 97, .	2.5	28
13	Structure of temporal correlations of a qubit. <i>New Journal of Physics</i> , 2018, 20, 102001.	2.9	31
14	Exploring the framework of assemblage moment matrices and its applications in device-independent characterizations. <i>Physical Review A</i> , 2018, 98, .	2.5	12
15	Continuous-variable steering and incompatibility via state-channel duality. <i>Physical Review A</i> , 2017, 96, .	2.5	41
16	The entropic approach to causal correlations. <i>New Journal of Physics</i> , 2017, 19, 113041.	2.9	12
17	Natural Framework for Device-Independent Quantification of Quantum Steerability, Measurement Incompatibility, and Self-Testing. <i>Physical Review Letters</i> , 2016, 116, 240401.	7.8	68
18	Entropic Nonsignaling Correlations. <i>Physical Review Letters</i> , 2016, 116, 240501.	7.8	20

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19	Extreme Violation of Local Realism in Quantum Hypergraph States. Physical Review Letters, 2016, 116, 070401.	7.8	37
20	Indistinguishability of causal relations from limited marginals. Physical Review A, 2016, 94, .	2.5	12
21	Quantum Bounds for Temporal Correlations. Springer Theses, 2016, , 57-72.	0.1	0
22	Dimension Witnesses. Springer Theses, 2016, , 73-106.	0.1	0
23	Noncontextuality Inequalities from Variable Elimination. Springer Theses, 2016, , 35-45.	0.1	0
24	Optimal Tests for State-Independent Contextuality. Springer Theses, 2016, , 47-56.	0.1	0
25	Necessary and Sufficient Condition for Quantum State-Independent Contextuality. Physical Review Letters, 2015, 114, 250402.	7.8	40
26	Contextuality in Phase Space. Physical Review Letters, 2015, 114, 250403.	7.8	22
27	Quantum Nondemolition Measurement Enables Macroscopic Leggett-Garg Tests. Physical Review Letters, 2015, 115, 200403.	7.8	38
28	One-to-One Mapping between Steering and Joint Measurability Problems. Physical Review Letters, 2015, 115, 230402.	7.8	131
29	Temporal Quantum Correlations and Leggett-Garg Inequalities in Multilevel Systems. Physical Review Letters, 2014, 113, 050401.	7.8	106
30	Bounding the quantum dimension with contextuality. Physical Review A, 2014, 89, .	2.5	47
31	All noncontextuality inequalities for the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{ cycle scenario} \rangle$. Physical Review A, 2013, 88, .	2.5	121
32	Bounding Temporal Quantum Correlations. Physical Review Letters, 2013, 111, 020403.	7.8	78
33	Bell inequalities from variable-elimination methods. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 385304.	2.1	19
34	Optimal Inequalities for State-Independent Contextuality. Physical Review Letters, 2012, 109, 250402.	7.8	66
35	Bell Inequalities as Constraints on Unmeasurable Correlations. Foundations of Physics, 2012, 42, 544-554.	1.3	5
36	The extension problem for partial Boolean structures in quantum mechanics. Journal of Mathematical Physics, 2010, 51, 122205.	1.1	11

#	ARTICLE	IF	CITATIONS
37	Temporal correlations in the simplest measurement sequences. Quantum - the Open Journal for Quantum Science, 0, 6, 623.	0.0	8