

# Costantino Budroni

## List of Publications by Year in descending order

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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	One-to-One Mapping between Steering and Joint Measurability Problems. Physical Review Letters, 2015, 115, 230402.	7.8	131
2	All noncontextuality inequalities for the $n$ -cycle scenario. Physical Review A, 2013, 88, .	2.5	121
3	Temporal Quantum Correlations and Leggett-Garg Inequalities in Multilevel Systems. Physical Review Letters, 2014, 113, 050401.	7.8	106
4	Bounding Temporal Quantum Correlations. Physical Review Letters, 2013, 111, 020403.	7.8	78
5	Natural Framework for Device-Independent Quantification of Quantum Steerability, Measurement Incompatibility, and Self-Testing. Physical Review Letters, 2016, 116, 240401.	7.8	68
6	Optimal Inequalities for State-Independent Contextuality. Physical Review Letters, 2012, 109, 250402.	7.8	66
7	Bounding the quantum dimension with contextuality. Physical Review A, 2014, 89, .	2.5	47
8	Continuous-variable steering and incompatibility via state-channel duality. Physical Review A, 2017, 96, .	2.5	41
9	Necessary and Sufficient Condition for Quantum State-Independent Contextuality. Physical Review Letters, 2015, 114, 250402.	7.8	40
10	Quantum Nondemolition Measurement Enables Macroscopic Leggett-Garg Tests. Physical Review Letters, 2015, 115, 200403.	7.8	38
11	Extreme Violation of Local Realism in Quantum Hypergraph States. Physical Review Letters, 2016, 116, 070401.	7.8	37
12	Quantum Temporal Superposition: The Case of Quantum Field Theory. Physical Review Letters, 2020, 125, 131602.	7.8	32
13	Structure of temporal correlations of a qubit. New Journal of Physics, 2018, 20, 102001.	2.9	31
14	Einstein-Podolsky-Rosen steering: Its geometric quantification and witness. Physical Review A, 2018, 97, .	2.5	28
15	Contextuality in Phase Space. Physical Review Letters, 2015, 114, 250403.	7.8	22
16	Leggett-Garg macrorealism and the quantum nondisturbance conditions. Physical Review A, 2019, 100, .	2.5	21
17	Entropic Nonsignaling Correlations. Physical Review Letters, 2016, 116, 240501.	7.8	20
18	Bell inequalities from variable-elimination methods. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 385304.	2.1	19

#	ARTICLE	IF	CITATIONS
19	Memory cost of temporal correlations. <i>New Journal of Physics</i> , 2019, 21, 093018.	2.9	18
20	Indistinguishability of causal relations from limited marginals. <i>Physical Review A</i> , 2016, 94, .	2.5	12
21	The entropic approach to causal correlations. <i>New Journal of Physics</i> , 2017, 19, 113041.	2.9	12
22	Exploring the framework of assemblage moment matrices and its applications in device-independent characterizations. <i>Physical Review A</i> , 2018, 98, .	2.5	12
23	The extension problem for partial Boolean structures in quantum mechanics. <i>Journal of Mathematical Physics</i> , 2010, 51, 122205.	1.1	11
24	Simulating extremal temporal correlations. <i>New Journal of Physics</i> , 2020, 22, 103037.	2.9	10
25	Device-Independent Tests of Structures of Measurement Incompatibility. <i>Physical Review Letters</i> , 2019, 123, 180401.	7.8	9
26	Temporal correlations in the simplest measurement sequences. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 6, 623.	0.0	8
27	Ticking-clock performance enhanced by nonclassical temporal correlations. <i>Physical Review Research</i> , 2021, 3, .	3.6	7
28	Device-independent quantification of measurement incompatibility. <i>Physical Review Research</i> , 2021, 3, .	3.6	6
29	Bell Inequalities as Constraints on Unmeasurable Correlations. <i>Foundations of Physics</i> , 2012, 42, 544-554.	1.3	5
30	Composition rules for quantum processes: a no-go theorem. <i>New Journal of Physics</i> , 2019, 21, 012001.	2.9	4
31	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
32	Disease control as an optimization problem. <i>PLoS ONE</i> , 2021, 16, e0257958.	2.5	3
33	Theoretical research without projects. <i>PLoS ONE</i> , 2019, 14, e0214026.	2.5	0
34	Quantum Bounds for Temporal Correlations. <i>Springer Theses</i> , 2016, , 57-72.	0.1	0
35	Dimension Witnesses. <i>Springer Theses</i> , 2016, , 73-106.	0.1	0
36	Noncontextuality Inequalities from Variable Elimination. <i>Springer Theses</i> , 2016, , 35-45.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Optimal Tests for State-Independent Contextuality. Springer Theses, 2016, , 47-56.	0.1	0