## Jonathan Barrett

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	No Signaling and Quantum Key Distribution. Physical Review Letters, 2005, 95, 010503.	7.8	656
2	On the reality of the quantum state. Nature Physics, 2012, 8, 475-478.	16.7	497
3	Information processing in generalized probabilistic theories. Physical Review A, 2007, 75, .	2.5	483
4	Nonlocal correlations as an information-theoretic resource. Physical Review A, 2005, 71, .	2.5	434
5	Generalized No-Broadcasting Theorem. Physical Review Letters, 2007, 99, 240501.	7.8	198
6	Nonsequential positive-operator-valued measurements on entangled mixed states do not always violate a Bell inequality. Physical Review A, 2002, 65, .	2.5	192
7	Many Worlds?. , 2010, , .		153
8	Maximally Nonlocal and Monogamous Quantum Correlations. Physical Review Letters, 2006, 97, 170409.	7.8	145
9	Definitions of multipartite nonlocality. Physical Review A, 2013, 88, .	2.5	138
10	Quantum Common Causes and Quantum Causal Models. Physical Review X, 2017, 7, .	8.9	124
11	Distinct Quantum States Can Be Compatible with a Single State of Reality. Physical Review Letters, 2012, 109, 150404.	7.8	110
12	Popescu-Rohrlich Correlations as a Unit of Nonlocality. Physical Review Letters, 2005, 95, 140401.	7.8	109
13	Memory Attacks on Device-Independent Quantum Cryptography. Physical Review Letters, 2013, 110, 010503.	7.8	108
14	How Much Measurement Independence Is Needed to Demonstrate Nonlocality?. Physical Review Letters, 2011, 106, 100406.	7.8	107
15	Noise Robustness of the Nonlocality of Entangled Quantum States. Physical Review Letters, 2007, 99, 040403.	7.8	101
16	No <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"&gt;<mml:mrow><mml:mi>l^</mml:mi></mml:mrow></mml:math> -Epistemic Model Can Fully Explain the Indistinguishability of Quantum States. Physical Review Letters, 2014, 112, 250403.	7.8	99
17	Entropy and information causality in general probabilistic theories. New Journal of Physics, 2010, 12, 033024.	2.9	90
18	Quantum nonlocality, Bell inequalities, and the memory loophole. Physical Review A, 2002, 66, .	2.5	67

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#	Article	IF	CITATIONS
19	Limits on nonlocal correlations from the structure of the local state space. New Journal of Physics, 2011, 13, 063024.	2.9	58
20	Can different quantum state vectors correspond to the same physical state? An experimental test. New Journal of Physics, 2016, 18, 013007.	2.9	54
21	Unconditionally secure device-independent quantum key distribution with only two devices. Physical Review A, 2012, 86, .	2.5	53
22	Non-contextuality, finite precision measurement and the Kochen–Specker theorem. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2004, 35, 151-176.	1.4	42
23	Strong nonlocality: a trade-off between states and measurements. New Journal of Physics, 2010, 12, 033034.	2.9	42
24	Cyclic quantum causal models. Nature Communications, 2021, 12, 885.	12.8	36
25	Full Security of Quantum Key Distribution From No-Signaling Constraints. IEEE Transactions on Information Theory, 2014, 60, 4973-4986.	2.4	34
26	Computation in generalised probabilisitic theories. New Journal of Physics, 2015, 17, 083001.	2.9	31
27	Can a quantum state over time resemble a quantum state at a single time?. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170395.	2.1	31
28	Thermodynamics and the structure of quantum theory. New Journal of Physics, 2017, 19, 043025.	2.9	28
29	Quantum coin tossing and bit-string generation in the presence of noise. Physical Review A, 2004, 69, .	2.5	23
30	Certified Quantum Random Numbers from Untrusted Light. Physical Review X, 2020, 10, .	8.9	23
31	Modeling Pauli measurements on graph states with nearest-neighbor classical communication. Physical Review A, 2007, 75, .	2.5	16
32	The computational landscape of general physical theories. Npj Quantum Information, 2019, 5, .	6.7	16
33	The de Finetti theorem for test spaces. New Journal of Physics, 2009, 11, 033024.	2.9	15
34	Entropy, majorization and thermodynamics in general probabilistic theories. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 195, 43-58.	0.8	14
35	Implications of teleportation for nonlocality. Physical Review A, 2001, 64, .	2.5	13
36	Security of quantum bit-string generation. Physical Review A, 2004, 70, .	2.5	11

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#	Article	IF	CITATIONS
37	Entropy and information causality in general probabilistic theories. New Journal of Physics, 2012, 14, 129401.	2.9	11
38	Routed quantum circuits. Quantum - the Open Journal for Quantum Science, 0, 5, 503.	0.0	8
39	Causal and compositional structure of unitary transformations. Quantum - the Open Journal for Quantum Science, 0, 5, 511.	0.0	7
40	Countering quantum noise with supplementary classical information. Physical Review A, 2003, 68, .	2.5	3
41	Simple communication complexity separation from quantum state antidistinguishability. Physical Review Research, 2020, 2, .	3.6	3
42	Reply to "Testing the reality of the quantum state". Nature Physics, 2014, 10, 174-175.	16.7	0