

# Ryszard Horodecki

## List of Publications by Year in descending order

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54  
papers

16,298  
citations

147566

31  
h-index

174990

52  
g-index

55  
all docs

55  
docs citations

55  
times ranked

5735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Perfect Propagation of Information to a Noisy Environment with Self-Evolution. Entropy, 2022, 24, 467.	1.1	1
2	Activating Hidden Metrological Usefulness. Physical Review Letters, 2020, 125, 020402.	2.9	14
3	Closed timelike curves and the second law of thermodynamics. Physical Review A, 2019, 99, .	1.0	4
4	Do black holes create polyamory?. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
5	Measurement uncertainty from no-signaling and nonlocality. Physical Review A, 2017, 96, .	1.0	5
6	Nonsignaling quantum random access-code boxes. Physical Review A, 2015, 92, .	1.0	8
7	Intrinsic asymmetry with respect to adversary: a new feature of Bell inequalities. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 424016.	0.7	2
8	Can Communication Power of Separable Correlations Exceed That of Entanglement Resource?. Physical Review Letters, 2014, 112, 140507.	2.9	21
9	Separability in terms of a single entanglement witness. Physical Review A, 2013, 88, .	1.0	9
10	Conjectured strong complementary-correlations tradeoff. Physical Review A, 2013, 88, .	1.0	15
11	Postulates for measures of genuine multipartite correlations. Physical Review A, 2011, 83, .	1.0	67
12	Inseparability criteria based on matrices of moments. Physical Review A, 2009, 80, .	1.0	60
13	Quantum entanglement. Reviews of Modern Physics, 2009, 81, 865-942.	16.4	6,975
14	No-Local-Broadcasting Theorem for Multipartite Quantum Correlations. Physical Review Letters, 2008, 100, 090502.	2.9	361
15	Entanglement-redistribution boxes. Physical Review A, 2008, 78, .	1.0	0
16	Entanglement-swapping boxes and their communication properties. Physical Review A, 2008, 77, .	1.0	3
17	Publisher's Note: No-Local-Broadcasting Theorem for Multipartite Quantum Correlations [Phys. Rev. Lett.100, 090502 (2008)]. Physical Review Letters, 2008, 100, .	2.9	5
18	QUANTUMNESS OF ENSEMBLE FROM NO-BROADCASTING PRINCIPLE. International Journal of Quantum Information, 2006, 04, 105-118.	0.6	16

#	ARTICLE	IF	CITATIONS
19	Separability of Mixed Quantum States: Linear Contractions and Permutation Criteria. Open Systems and Information Dynamics, 2006, 13, 103-111.	0.5	78
20	Common Origin of No-Cloning and No-Deleting Principles Conservation of Information. Foundations of Physics, 2005, 35, 2041-2049.	0.6	19
21	Irreversibility for All Bound Entangled States. Physical Review Letters, 2005, 95, 190501.	2.9	66
22	Local versus nonlocal information in quantum-information theory: Formalism and phenomena. Physical Review A, 2005, 71, .	1.0	389
23	Optimal strategy for a single-qubit gate and the trade-off between opposite types of decoherence. Physical Review A, 2004, 70, .	1.0	51
24	Thermodynamics of Quantum Information Systems – Hamiltonian Description. Open Systems and Information Dynamics, 2004, 11, 205-217.	0.5	96
25	Mutually exclusive aspects of information carried by physical systems: Complementarity between local and nonlocal information. Physical Review A, 2003, 68, .	1.0	38
26	Are There Phase Transitions in Information Space?. Physical Review Letters, 2003, 90, 010404.	2.9	9
27	Local Information as a Resource in Distributed Quantum Systems. Physical Review Letters, 2003, 90, 100402.	2.9	135
28	Are the Laws of Entanglement Theory Thermodynamical?. Physical Review Letters, 2002, 89, 240403.	2.9	83
29	Dynamical description of quantum computing: Generic nonlocality of quantum noise. Physical Review A, 2002, 65, .	1.0	82
30	Thermodynamical Approach to Quantifying Quantum Correlations. Physical Review Letters, 2002, 89, 180402.	2.9	442
31	Concurrence in arbitrary dimensions. Journal of Modern Optics, 2002, 49, 1289-1297.	0.6	46
32	Balance of information in bipartite quantum-communication systems: Entanglement-energy analogy. Physical Review A, 2001, 63, .	1.0	18
33	Dynamics of quantum entanglement. Physical Review A, 2001, 65, .	1.0	285
34	Separability of n-particle mixed states: necessary and sufficient conditions in terms of linear maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 283, 1-7.	0.9	143
35	Asymptotic Manipulations of Entanglement Can Exhibit Genuine Irreversibility. Physical Review Letters, 2000, 84, 4260-4263.	2.9	33
36	Local environment can enhance fidelity of quantum teleportation. Physical Review A, 2000, 62, .	1.0	140

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37	Unified Approach to Quantum Capacities: Towards Quantum Noisy Coding Theorem. Physical Review Letters, 2000, 85, 433-436.	2.9	52
38	Limits for Entanglement Measures. Physical Review Letters, 2000, 84, 2014-2017.	2.9	283
39	Binding entanglement channels. Journal of Modern Optics, 2000, 47, 347-354.	0.6	58
40	Einstein-Podolsky-Rosen paradox without entanglement. Physical Review A, 1999, 60, 4144-4145.	1.0	13
41	Entanglement processing and statistical inference: The Jaynes principle can produce fake entanglement. Physical Review A, 1999, 59, 1799-1803.	1.0	62
42	Bound Entanglement Can Be Activated. Physical Review Letters, 1999, 82, 1056-1059.	2.9	292
43	General teleportation channel, singlet fraction, and quasidistillation. Physical Review A, 1999, 60, 1888-1898.	1.0	713
44	Are there basic laws of quantum information processing?. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 473-481.	0.9	25
45	Mixed-State Entanglement and Distillation: Is there a "Bound" Entanglement in Nature?. Physical Review Letters, 1998, 80, 5239-5242.	2.9	942
46	Generalized quantum measurements and local realism. Physical Review A, 1998, 58, 1694-1698.	1.0	17
47	Universal Quantum Information Compression. Physical Review Letters, 1998, 81, 1714-1717.	2.9	79
48	Inseparable Two Spin-1/2 Density Matrices Can Be Distilled to a Singlet Form. Physical Review Letters, 1997, 78, 574-577.	2.9	345
49	Information-theoretic aspects of inseparability of mixed states. Physical Review A, 1996, 54, 1838-1843.	1.0	419
50	Teleportation, Bell's inequalities and inseparability. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 222, 21-25.	0.9	190
51	Separability of mixed states: necessary and sufficient conditions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 223, 1-8.	0.9	3,050
52	Informationally coherent quantum systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 187, 145-150.	0.9	26
53	Binding entanglement channels. , 0, .		4
54	Zero-knowledge convincing protocol on quantum bit is impossible. Quantum - the Open Journal for Quantum Science, 0, 1, 41.	0.0	2