

Saverio Pascazio

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194
papers

4,586
citations

37
h-index

61
g-index

208
ext. papers

5,181
ext. citations

2.9
avg, IF

5.58
L-index

| # | Paper | IF | Citations |
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| 194 | Quantum Zeno subspaces. <i>Physical Review Letters</i> , 2002 , 89, 080401 | 7.4 | 367 |
| 193 | From the quantum zeno to the inverse quantum zeno effect. <i>Physical Review Letters</i> , 2001 , 86, 2699-7037 | 7.4 | 241 |
| 192 | Quantum Zeno dynamics: mathematical and physical aspects. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 493001 | 2 | 239 |
| 191 | Unification of dynamical decoupling and the quantum Zeno effect. <i>Physical Review A</i> , 2004 , 69, | 2.6 | 215 |
| 190 | Control of decoherence: Analysis and comparison of three different strategies. <i>Physical Review A</i> , 2005 , 71, | 2.6 | 163 |
| 189 | TEMPORAL BEHAVIOR OF QUANTUM MECHANICAL SYSTEMS. <i>International Journal of Modern Physics B</i> , 1996 , 10, 247-295 | 1.1 | 160 |
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| 187 | Maximally multipartite entangled states. <i>Physical Review A</i> , 2008 , 77, | 2.6 | 111 |
| 186 | Dynamical quantum Zeno effect. <i>Physical Review A</i> , 1994 , 50, 4582-4592 | 2.6 | 98 |
| 185 | Temporal behavior and quantum Zeno time of an excited state of the hydrogen atom. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 241, 139-144 | 2.3 | 83 |
| 184 | Phase transitions of bipartite entanglement. <i>Physical Review Letters</i> , 2008 , 101, 050502 | 7.4 | 68 |
| 183 | Wave-function collapse by measurement and its simulation. <i>Physical Review A</i> , 1991 , 44, 39-53 | 2.6 | 65 |
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| 181 | Statistical mechanics of the cluster Ising model. <i>Physical Review A</i> , 2011 , 84, | 2.6 | 61 |
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| 177 | Zeno dynamics yields ordinary constraints. <i>Physical Review A</i> , 2001 , 65, | 2.6 | 58 |
| 176 | Quantum theory of measurement based on the many-Hilbert-space approach. <i>Physics Reports</i> , 1993 , 232, 301-411 | 27.7 | 58 |
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| 174 | Phase space tweezers for tailoring cavity fields by quantum Zeno dynamics. <i>Physical Review Letters</i> , 2010 , 105, 213601 | 7.4 | 54 |
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| 172 | Long-time memory in non-Markovian evolutions. <i>Physical Review A</i> , 2010 , 81, | 2.6 | 52 |
| 171 | Probability-density-function characterization of multipartite entanglement. <i>Physical Review A</i> , 2006 , 74, | 2.6 | 51 |
| 170 | Robust gates for holonomic quantum computation. <i>Physical Review A</i> , 2006 , 73, | 2.6 | 48 |
| 169 | Bound states and entanglement generation in waveguide quantum electrodynamics. <i>Physical Review A</i> , 2016 , 94, | 2.6 | 47 |
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| 167 | Understanding the quantum Zeno effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996 , 217, 203-208 | 2.3 | 46 |
| 166 | Discrete Abelian gauge theories for quantum simulations of QED. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015 , 48, 30FT01 | 2 | 45 |
| 165 | On the quantum Zeno effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 199, 27-32 | 2.3 | 44 |
| 164 | Spontaneous emission and lifetime modification caused by an intense electromagnetic field. <i>Physical Review A</i> , 2000 , 62, | 2.6 | 43 |
| 163 | On a possible reduction of the interference term due to statistical fluctuations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990 , 147, 430-434 | 2.3 | 43 |
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| 161 | Hindered decay: Quantum Zeno effect through electromagnetic field domination. <i>Physical Review A</i> , 1997 , 56, 25-32 | 2.6 | 42 |
| 160 | Phase transitions and metastability in the distribution of the bipartite entanglement of a large quantum system. <i>Physical Review A</i> , 2010 , 81, | 2.6 | 41 |

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| 159 | Deviations from exponential law and Van Hove's limit. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999 , 271, 133-146 | 3.3 | 39 |
| 158 | Bang-bang control of a qubit coupled to a quantum critical spin bath. <i>Physical Review A</i> , 2008 , 77, | 2.6 | 38 |
| 157 | Direct experimental evidence of free-fermion antibunching. <i>Physical Review Letters</i> , 2006 , 96, 080402 | 7.4 | 35 |
| 156 | Generalized tomographic maps. <i>Physical Review A</i> , 2008 , 77, | 2.6 | 32 |
| 155 | Entanglement of two blocks of spins in the critical Ising model. <i>Physical Review A</i> , 2008 , 78, | 2.6 | 32 |
| 154 | Macroscopic limit of a solvable dynamical model. <i>Physical Review A</i> , 1993 , 48, 1066-1081 | 2.6 | 32 |
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| 147 | Decoherence and Quantum Measurements 1998 , | | 27 |
| 146 | All You Ever Wanted to Know About the Quantum Zeno Effect in 70 Minutes. <i>Open Systems and Information Dynamics</i> , 2014 , 21, 1440007 | 0.4 | 26 |
| 145 | Multipartite entanglement and frustration. <i>New Journal of Physics</i> , 2010 , 12, 025015 | 2.9 | 26 |
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| 143 | Testing of quantum phase in matter-wave optics. <i>Physical Review A</i> , 1999 , 60, 473-479 | 2.6 | 23 |
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| 136 | Entropy-driven phase transitions of entanglement. <i>Physical Review A</i> , 2013 , 87, | 2.6 | 19 |
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- 120 CHARACTERIZING AND MEASURING MULTIPARTITE ENTANGLEMENT. *International Journal of Quantum Information*, **2007**, 05, 97-103 0.8 13
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| 100 | Simulations of Lévy flights. <i>Physica Scripta</i> , 2009 , T135, 014036 | 2.6 | 9 |
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| 96 | Non-Abelian phases from quantum Zeno dynamics. <i>Physical Review A</i> , 2013 , 88, | 2.6 | 8 |
| 95 | Quantumness and entanglement witnesses. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012 , 45, 105302 | 2 | 8 |
| 94 | Emergence of a Wiener process as a result of the quantum mechanical interaction with a macroscopic medium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997 , 245, 189-211 | 3.3 | 8 |
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| 91 | Decoherence and dephasing in a quantum measurement process. <i>Physical Review A</i> , 1996 , 54, 1064-1086 | 2.6 | 8 |
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| 89 | Many-Hilbert-spaces approach to the wave-function collapse. <i>Foundations of Physics</i> , 1992 , 22, 451-466 | 1.2 | 8 |
| 88 | On the inversion of the Radon transform: standard versus M 2 approach. <i>Journal of Modern Optics</i> , 2010 , 57, 239-243 | 1.1 | 7 |

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| 84 | Decoherence in neutron interferometry at low transmission probability. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993 , 173, 87-91 | 2.3 | 7 |
| 83 | Experimental tests of bell inequalities. Are all local models really excluded?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985 , 111, 339-342 | 2.3 | 7 |
| 82 | Dynamical algebra of observables in dissipative quantum systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017 , 50, 065301 | 2 | 6 |
| 81 | A dynamical composition law for boundary conditions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 102001 | 2 | 6 |
| 80 | Optimization of a neutron-spin test of the quantum Zeno effect. <i>Physical Review A</i> , 2003 , 68, | 2.6 | 6 |
| 79 | Decoherence and Fluctuations in Quantum Interference Experiments. <i>Fortschritte Der Physik</i> , 2001 , 49, 1033 | 5.7 | 6 |
| 78 | Alternative formulation of the Wigner-Araki-Yanase theorem. <i>Physical Review A</i> , 1995 , 51, 3469-3479 | 2.6 | 6 |
| 77 | Reply to "Comment on 'Wave-function collapse by measurement and its simulation' ". <i>Physical Review A</i> , 1993 , 48, 2499-2501 | 2.6 | 6 |
| 76 | Measurement-theoretical analysis of neutron interference at low transmission probability. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992 , 167, 435-440 | 2.3 | 6 |
| 75 | On emission lifetimes in atomic cascade tests of the Bell inequality. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987 , 126, 163-167 | 2.3 | 6 |
| 74 | Can Decay Be Ascribed to Classical Noise?. <i>Open Systems and Information Dynamics</i> , 2017 , 24, 1750001 | 0.4 | 5 |
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| 71 | Hamiltonian purification. <i>Journal of Mathematical Physics</i> , 2015 , 56, 122104 | 1.2 | 5 |
| 70 | Witnessing the quantumness of a single system: From anticommutators to interference and discord. <i>Physical Review A</i> , 2013 , 87, | 2.6 | 5 |

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| 69 | Entanglement of electrons field-emitted from a superconductor. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 5 |
| 68 | Classical to quantum in large-number limit. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 4810-20 | 3 | 5 |
| 67 | Lateral effects in fermion antibunching. <i>Physical Review A</i> , 2008 , 77, | 2.6 | 5 |
| 66 | Quantum Zeno Subspaces and Decoherence. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 30-33 | 1.5 | 5 |
| 65 | On noise-induced superselection rules. <i>Journal of Modern Optics</i> , 2004 , 51, 925-932 | 1.1 | 5 |
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| 62 | Photon distribution at the output of a beam splitter for imbalanced input states. <i>Physical Review A</i> , 2016 , 93, | 2.6 | 4 |
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| 54 | Decoherence versus entropy in neutron interferometry. <i>Physical Review A</i> , 2001 , 63, | 2.6 | 4 |
| 53 | A coherent understanding of solvable models for quantum measurement processes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994 , 192, 169-174 | 2.3 | 4 |
| 52 | Potential energy of complex networks: a quantum mechanical perspective. <i>Scientific Reports</i> , 2020 , 10, 18387 | 4.9 | 4 |

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| 51 | Measuring quantumness: from theory to observability in interferometric setups. <i>European Physical Journal D</i> , 2018 , 72, 1 | 1.3 | 4 |
| 50 | Variable Detection Probability Models for Einstein-Podolsky-Rosen-Type Experiments 1988 , 391-411 | | 4 |
| 49 | Kick and Fix: The Roots of Quantum Control. <i>Proceedings (mdpi)</i> , 2019 , 12, 30 | 0.3 | 3 |
| 48 | Phase diagram of bipartite entanglement. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019 , 52, 414002 | 2 | 3 |
| 47 | Defining quantumness via the Jordan product. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014 , 47, 035301 | 2 | 3 |
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| 41 | Decoherence in neutron interferometry. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 970-972 | 2.8 | 3 |
| 40 | Quantum dephasing by chaos. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996 , 222, 130-136 | 2.3 | 3 |
| 39 | Correlated photon emission by two excited atoms in a waveguide. <i>Physical Review A</i> , 2018 , 98, | 2.6 | 3 |
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| 27 | Stationary excitation waves and multimerization in arrays of quantum emitters. <i>New Journal of Physics</i> , 2021 , 23, 103033 | 2.9 | 2 |
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| 23 | Zeno Subspaces for Coupled Superconducting Qubits. <i>Foundations of Physics</i> , 2006 , 36, 500-511 | 1.2 | 1 |
| 22 | Decoherence, fluctuations and Wigner function in neutron optics. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003 , 5, S290-S298 | | 1 |
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