# Silvano Garnerone

List of Publications by Year
in descending order

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|---|---|---|---|
| 26 papers | 903 citations | 623188<br>14 h-index | 580395<br>25 g-index |
| 27 all docs | 27 docs citations | 27 times ranked | 1299 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | BLISS is a versatile and quantitative method for genome-wide profiling of DNA double-strand breaks. Nature Communications, 2017, 8, 15058. | 5.8 | 298 |
| 2 | Quantum algorithms for topological and geometric analysis of data. Nature Communications, 2016, 7, 10138. | 5.8 | 128 |
| 3 | Adiabatic Quantum Algorithm for Search Engine Ranking. Physical Review Letters, 2012, 108, 230506. | 2.9 | 60 |
| 4 | Fidelity Approach to the Disordered Quantum $XY$ Model. Physical Review Letters, 2009, 102, 057205. | 2.9 | 56 |
| 5 | Fidelity in topological quantum phases of matter. Physical Review A, 2009, 79, . | 1.0 | 35 |
| 6 | Typicality in random matrix product states. Physical Review A, 2010, 81, . | 1.0 | 35 |
| 7 | A recurrent chromosomal inversion suffices for driving escape from oncogene-induced senescence via subTAD reorganization. Molecular Cell, 2021, 81, 4907-4923.e8. | 4.5 | 28 |
| 8 | Scaling of the fidelity susceptibility in a disordered quantum spin chain. Physical Review B, 2009, 79, . | 1.1 | 24 |
| 9 | Statistical properties of random matrix product states. Physical Review A, 2010, 82, . | 1.0 | 24 |
| 10 | Quantification of HER2 and estrogen receptor heterogeneity in breast cancer by single-molecule RNA fluorescence in situ hybridization. Oncotarget, 2017, 8, 18680-18698. | 0.8 | 24 |
| 11 | Bipartite quantum states and random complex networks. New Journal of Physics, 2012, 14, 013011. | 1.2 | 21 |
| 12 | Phase transition of light on complex quantum networks. Physical Review E, 2013, 87, 022104. | 0.8 | 19 |
| 13 | Genome-wide detection of DNA double-strand breaks by in-suspension BLISS. Nature Protocols, 2020, 15, 3894-3941. | 5.5 | 19 |
| 14 | Thermodynamic formalism for dissipative quantum walks. Physical Review A, 2012, 86, . | 1.0 | 18 |
| 15 | Quantum geometry and quantum algorithms. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 3047-3066. | 0.7 | 17 |
| 16 | Quantum knitting. Laser Physics, 2006, 16, 1582-1594. | 0.6 | 13 |
| 17 | CUTseq is a versatile method for preparing multiplexed DNA sequencing libraries from low-input samples. Nature Communications, 2019, 10, 4732. | 5.8 | 12 |
| 18 | Efficient quantum processing of three-manifold topological invariants. Advances in Theoretical and Mathematical Physics, 2009, 13, 1601-1652. | 0.4 | 12 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 19 | Modeling double strand break susceptibility to interrogate structural variation in cancer. Genome Biology, 2019, 20, 28. | 3.8 | 11 |
| 20 | Generalized quantum microcanonical ensemble from random matrix product states. Physical Review B, 2013, 87, . | 1.1 | 10 |
| 21 | Spin networks, quantum automata and link invariants. Journal of Physics: Conference Series, 2006, 33, 95-106. | 0.3 | 9 |
| 22 | Pure state thermodynamics with matrix product states. Physical Review B, 2013, 88, . | 1.1 | 8 |
| 23 | Quantum Computation of Universal Link Invariants. Open Systems and Information Dynamics, 2006, 13, 373-382. | 0.5 | 7 |
| 24 | Entanglement and its evolution following a quench in the presence of an energy current. Physical Review A, 2011, 84, . | 1.0 | 6 |
| 25 | AN EFFICIENT QUANTUM ALGORITHM FOR COLORED JONES POLYNOMIALS. International Journal of Quantum Information, 2008, 06, 773-778. | 0.6 | 5 |
| 26 | Breaks Labeling in situ and sequencing (BLISS). Protocol Exchange, 0, , . | 0.3 | 4 |