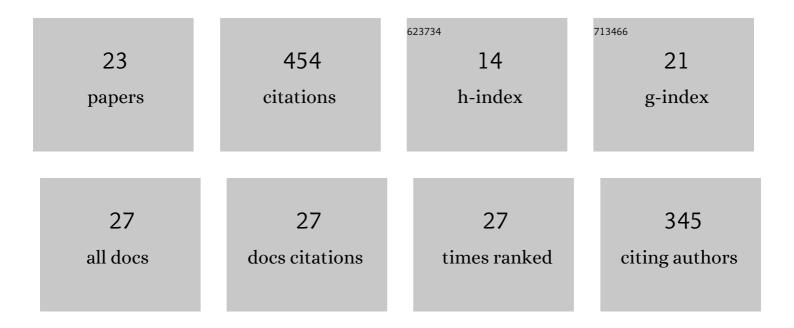
## Daniel M Busiello

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5628113/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Dissipation-driven selection of states in non-equilibrium chemical networks. Communications Chemistry, 2021, 4, .	4.5	19
2	Equilibrium and non-equilibrium furanose selection in the ribose isomerisation network. Nature Communications, 2021, 12, 2749.	12.8	17
3	Light‧witchable Buffers. Angewandte Chemie, 2021, 133, 21905-21908.	2.0	3
4	Lightâ€Switchable Buffers. Angewandte Chemie - International Edition, 2021, 60, 21737-21740.	13.8	23
5	Dissipation-Driven Selection under Finite Diffusion: Hints from Equilibrium and Separation of Time Scales. Entropy, 2021, 23, 1068.	2.2	1
6	Inducing and optimizing Markovian Mpemba effect with stochastic reset. New Journal of Physics, 2021, 23, 103012.	2.9	21
7	Emergence of synchronised and amplified oscillations in neuromorphic networks with long-range interactions. Neurocomputing, 2021, 461, 716-726.	5.9	2
8	Mutual Information Disentangles Interactions from Changing Environments. Physical Review Letters, 2021, 127, 228301.	7.8	17
9	Thermodynamics and kinetics of protonated merocyanine photoacids in water. Chemical Science, 2020, 11, 8457-8468.	7.4	53
10	Tighter thermodynamic bound on the speed limit in systems with unidirectional transitions. Physical Review E, 2020, 102, 062121.	2.1	17
11	How Complex Molecules Could Possibly be Stable at the Dawn of Life: Out of Equilibrium Dissipation Shapes Selection. Biophysical Journal, 2020, 118, 611a.	0.5	0
12	Entropy production in systems with unidirectional transitions. Physical Review Research, 2020, 2, .	3.6	23
13	Coarse-grained entropy production with multiple reservoirs: Unraveling the role of time scales and detailed balance in biology-inspired systems. Physical Review Research, 2020, 2, .	3.6	14
14	Entropy production in master equations and Fokker–Planck equations: facing the coarse-graining and recovering the information loss. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 104013.	2.3	15
15	Entropy production for coarse-grained dynamics. New Journal of Physics, 2019, 21, 073004.	2.9	22
16	Hyperaccurate currents in stochastic thermodynamics. Physical Review E, 2019, 100, 060102.	2.1	26
17	Similarities and differences between non-equilibrium steady states and time-periodic driving in diffusive systems. New Journal of Physics, 2018, 20, 093015.	2.9	20
18	Homogeneous-per-layer patterns in multiplex networks. Europhysics Letters, 2018, 121, 48006.	2.0	8

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#	Article	IF	CITATIONS
19	Explorability and the origin of network sparsity in living systems. Scientific Reports, 2017, 7, 12323.	3.3	34
20	Entropy production in systems with random transition rates close to equilibrium. Physical Review E, 2017, 96, 062110.	2.1	7
21	Turing instabilities on Cartesian product networks. Scientific Reports, 2015, 5, 12927.	3.3	20
22	Pattern formation for reactive species undergoing anisotropic diffusion. European Physical Journal B, 2015, 88, 1.	1.5	7
23	Turing patterns in multiplex networks. Physical Review E, 2014, 90, 042814.	2.1	82