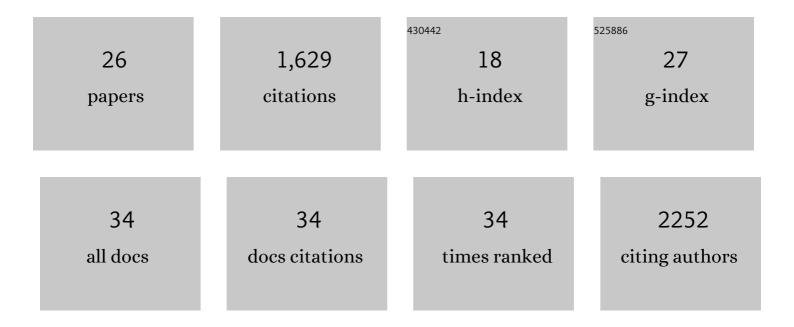
Antoni Luque

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5180251/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Aligning Calculus with Life Sciences Disciplines: The Argument for Integrating Statistical Reasoning. Primus, 2022, 32, 199-217.	0.3	3
2	Predicting the capsid architecture of phages from metagenomic data. Computational and Structural Biotechnology Journal, 2022, 20, 721-732.	1.9	10
3	The International Virus Bioinformatics Meeting 2022. Viruses, 2022, 14, 973.	1.5	3
4	The landscape of lysogeny across microbial community density, diversity and energetics. Environmental Microbiology, 2021, 23, 4098-4111.	1.8	50
5	Space-filling and benthic competition on coral reefs. PeerJ, 2021, 9, e11213.	0.9	7
6	Empirical and Theoretical Analysis of Particle Diffusion in Mucus. Frontiers in Physics, 2021, 9, .	1.0	2
7	Quantification of Lysogeny Caused by Phage Coinfections in Microbial Communities from Biophysical Principles. MSystems, 2020, 5, .	1.7	28
8	The Missing Tailed Phages: Prediction of Small Capsid Candidates. Microorganisms, 2020, 8, 1944.	1.6	15
9	Genomic and ecological attributes of marine bacteriophages encoding bacterial virulence genes. BMC Genomics, 2020, 21, 126.	1.2	26
10	Impact of bacteria motility in the encounter rates with bacteriophage in mucus. Scientific Reports, 2019, 9, 16427.	1.6	28
11	Structural puzzles in virology solved with an overarching icosahedral design principle. Nature Communications, 2019, 10, 4414.	5.8	66
12	Biophysical and physiological processes causing oxygen loss from coral reefs. ELife, 2019, 8, .	2.8	19
13	Variability and host density independence in inductions-based estimates of environmental lysogeny. Nature Microbiology, 2017, 2, 17064.	5.9	57
14	Bacteriophage Transcytosis Provides a Mechanism To Cross Epithelial Cell Layers. MBio, 2017, 8, .	1.8	273
15	Correlation among DNA Linker Length, Linker Histone Concentration, and Histone Tails in Chromatin. Biophysical Journal, 2016, 110, 2309-2319.	0.2	29
16	Lytic to temperate switching of viral communities. Nature, 2016, 531, 466-470.	13.7	440
17	The chromatin fiber: multiscale problems and approaches. Current Opinion in Structural Biology, 2015, 31, 124-139.	2.6	68
18	Dynamic condensation of linker histone C-terminal domain regulates chromatin structure. Nucleic Acids Research, 2014, 42, 7553-7560.	6.5	56

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#	Article	IF	CITATIONS
19	The interplay between mechanics and stability of viral cages. Nanoscale, 2014, 6, 2702-2709.	2.8	51
20	Theoretical Studies on Assembly, Physical Stability and Dynamics of Viruses. Sub-Cellular Biochemistry, 2013, 68, 553-595.	1.0	17
21	Physics of shell assembly: Line tension, hole implosion, and closure catastrophe. Journal of Chemical Physics, 2012, 136, 184507.	1.2	31
22	Relevance of capsid structure in the buckling and maturation of spherical viruses. Physical Biology, 2012, 9, 036003.	0.8	26
23	Entropic Splitter for Particle Separation. Physical Review Letters, 2012, 108, 020604.	2.9	142
24	Built-In Mechanical Stress in Viral Shells. Biophysical Journal, 2011, 100, 1100-1108.	0.2	75
25	Optimal architectures of elongated viruses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5323-5328.	3.3	44
26	The Structure of Elongated Viral Capsids. Biophysical Journal, 2010, 98, 2993-3003.	0.2	36