Antoni Luque

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5180251/publications.pdf

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26	1,629	430874	526287
papers	citations	18 h-index	27 g-index

34	34	34	2252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lytic to temperate switching of viral communities. Nature, 2016, 531, 466-470.	27.8	440
2	Bacteriophage Transcytosis Provides a Mechanism To Cross Epithelial Cell Layers. MBio, 2017, 8, .	4.1	273
3	Entropic Splitter for Particle Separation. Physical Review Letters, 2012, 108, 020604.	7.8	142
4	Built-In Mechanical Stress in Viral Shells. Biophysical Journal, 2011, 100, 1100-1108.	0.5	75
5	The chromatin fiber: multiscale problems and approaches. Current Opinion in Structural Biology, 2015, 31, 124-139.	5.7	68
6	Structural puzzles in virology solved with an overarching icosahedral design principle. Nature Communications, 2019, 10, 4414.	12.8	66
7	Variability and host density independence in inductions-based estimates of environmental lysogeny. Nature Microbiology, 2017, 2, 17064.	13.3	57
8	Dynamic condensation of linker histone C-terminal domain regulates chromatin structure. Nucleic Acids Research, 2014, 42, 7553-7560.	14.5	56
9	The interplay between mechanics and stability of viral cages. Nanoscale, 2014, 6, 2702-2709.	5.6	51
10	The landscape of lysogeny across microbial community density, diversity and energetics. Environmental Microbiology, 2021, 23, 4098-4111.	3.8	50
11	Optimal architectures of elongated viruses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5323-5328.	7.1	44
12	The Structure of Elongated Viral Capsids. Biophysical Journal, 2010, 98, 2993-3003.	0.5	36
13	Physics of shell assembly: Line tension, hole implosion, and closure catastrophe. Journal of Chemical Physics, 2012, 136, 184507.	3.0	31
14	Correlation among DNA Linker Length, Linker Histone Concentration, and Histone Tails in Chromatin. Biophysical Journal, 2016, 110, 2309-2319.	0.5	29
15	Impact of bacteria motility in the encounter rates with bacteriophage in mucus. Scientific Reports, 2019, 9, 16427.	3.3	28
16	Quantification of Lysogeny Caused by Phage Coinfections in Microbial Communities from Biophysical Principles. MSystems, 2020, 5, .	3.8	28
17	Relevance of capsid structure in the buckling and maturation of spherical viruses. Physical Biology, 2012, 9, 036003.	1.8	26
18	Genomic and ecological attributes of marine bacteriophages encoding bacterial virulence genes. BMC Genomics, 2020, 21, 126.	2.8	26

#	Article	IF	Citations
19	Biophysical and physiological processes causing oxygen loss from coral reefs. ELife, 2019, 8, .	6.0	19
20	Theoretical Studies on Assembly, Physical Stability and Dynamics of Viruses. Sub-Cellular Biochemistry, 2013, 68, 553-595.	2.4	17
21	The Missing Tailed Phages: Prediction of Small Capsid Candidates. Microorganisms, 2020, 8, 1944.	3.6	15
22	Predicting the capsid architecture of phages from metagenomic data. Computational and Structural Biotechnology Journal, 2022, 20, 721-732.	4.1	10
23	Space-filling and benthic competition on coral reefs. PeerJ, 2021, 9, e11213.	2.0	7
24	Aligning Calculus with Life Sciences Disciplines: The Argument for Integrating Statistical Reasoning. Primus, 2022, 32, 199-217.	0.5	3
25	The International Virus Bioinformatics Meeting 2022. Viruses, 2022, 14, 973.	3.3	3
26	Empirical and Theoretical Analysis of Particle Diffusion in Mucus. Frontiers in Physics, 2021, 9, .	2.1	2