

Julius B Kirkegaard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7563536/publications.pdf>

Version: 2024-02-01

21
papers

1,603
citations

759233

12
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

2295
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultant: simultaneous curve fitting of functions and differential equations using analytical gradient calculations. BMC Bioinformatics, 2022, 23, .	2.6	1
2	Curvature strains as a global orchestrator of morphogenesis. Physical Review Research, 2022, 4, .	3.6	1
3	Comparative Studies in the A30P and A53T α -Synuclein C. elegans Strains to Investigate the Molecular Origins of Parkinson's Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 552549.	3.7	12
4	Superspreading of airborne pathogens in a heterogeneous world. Scientific Reports, 2021, 11, 11191.	3.3	3
5	Superspreading quantified from bursty epidemic trajectories. Scientific Reports, 2021, 11, 24124.	3.3	6
6	Optimal Transport Flows for Distributed Production Networks. Physical Review Letters, 2020, 124, 208101.	7.8	11
7	Self-assembly, buckling and density-invariant growth of three-dimensional vascular networks. Journal of the Royal Society Interface, 2019, 16, 20190517.	3.4	2
8	Massively parallel C. elegans tracking provides multi-dimensional fingerprints for phenotypic discovery. Journal of Neuroscience Methods, 2018, 306, 57-67.	2.5	52
9	Multistep Inhibition of α -Synuclein Aggregation and Toxicity <i>in Vitro</i> and <i>in Vivo</i> by Trodusquemine. ACS Chemical Biology, 2018, 13, 2308-2319.	3.4	86
10	The noisy basis of morphogenesis: Mechanisms and mechanics of cell sheet folding inferred from developmental variability. PLoS Biology, 2018, 16, e2005536.	5.6	22
11	The role of tumbling frequency and persistence in optimal run-and-tumble chemotaxis. IMA Journal of Applied Mathematics, 2018, 83, 700-719.	1.6	5
12	A natural product inhibits the initiation of α -synuclein aggregation and suppresses its toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1009-E1017.	7.1	231
13	Intra-chain organisation of hydrophobic residues controls inter-chain aggregation rates of amphiphilic polymers. Journal of Chemical Physics, 2017, 146, 135102.	3.0	2
14	Aerotaxis in the closest relatives of animals. ELife, 2016, 5, .	6.0	29
15	Filter-feeding, near-field flows, and the morphologies of colonial choanoflagellates. Physical Review E, 2016, 94, 052401.	2.1	27
16	Fluctuations in the Kinetics of Linear Protein Self-Assembly. Physical Review Letters, 2016, 116, 258103.	7.8	32
17	Motility of Colonial Choanoflagellates and the Statistics of Aggregate Random Walkers. Physical Review Letters, 2016, 116, 038102.	7.8	33
18	Molecular mechanisms of protein aggregation from global fitting of kinetic models. Nature Protocols, 2016, 11, 252-272.	12.0	546

#	ARTICLE	IF	CITATIONS
19	Differences in nucleation behavior underlie the contrasting aggregation kinetics of the A ²⁴⁰ and A ²⁴² peptides. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9384-9389.	7.1	405
20	Easyworm: an open-source software tool to determine the mechanical properties of worm-like chains. Source Code for Biology and Medicine, 2014, 9, 16.	1.7	73
21	Modelling electrolyte conductivity in a water electrolyzer cell. International Journal of Hydrogen Energy, 2012, 37, 7436-7441.	7.1	15