

Andrew E Blanchard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1115684/publications.pdf>

Version: 2024-02-01

15
papers

416
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

547
citing authors

#	ARTICLE	IF	CITATIONS
1	Automating Genetic Algorithm Mutations for Molecules Using a Masked Language Model. IEEE Transactions on Evolutionary Computation, 2022, 26, 793-799.	10.0	11
2	A Keyword-Enhanced Approach to Handle Class Imbalance in Clinical Text Classification. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2796-2803.	6.3	5
3	Optimal vocabulary selection approaches for privacy-preserving deep NLP model training for information extraction and cancer epidemiology. Cancer Biomarkers, 2022, 33, 185-198.	1.7	6
4	Using GANs with adaptive training data to search for new molecules. Journal of Cheminformatics, 2021, 13, 14.	6.1	27
5	Repulsive expansion dynamics in colony growth and gene expression. PLoS Computational Biology, 2021, 17, e1008168.	3.2	5
6	Circuit-Host Coupling Induces Multifaceted Behavioral Modulations of a Gene Switch. Biophysical Journal, 2018, 114, 737-746.	0.5	18
7	Spatial interference scale as a determinant of microbial range expansion. Science Advances, 2018, 4, eaau0695.	10.3	32
8	An integrative circuit-host modelling framework for predicting synthetic gene network behaviours. Nature Microbiology, 2017, 2, 1658-1666.	13.3	84
9	Engineering robust and tunable spatial structures with synthetic gene circuits. Nucleic Acids Research, 2017, 45, 1005-1014.	14.5	48
10	An Ecological Understanding of Quorum Sensing-Controlled Bacteriocin Synthesis. Cellular and Molecular Bioengineering, 2016, 9, 443-454.	2.1	22
11	Bacterial social interactions drive the emergence of differential spatial colony structures. BMC Systems Biology, 2015, 9, 59.	3.0	62
12	Slow and Steady Wins the Race: A Bacterial Exploitative Competition Strategy in Fluctuating Environments. ACS Synthetic Biology, 2015, 4, 240-248.	3.8	19
13	A Highly Tilted Membrane Configuration for the Prefusion State of Synaptobrevin. Biophysical Journal, 2014, 107, 2112-2121.	0.5	34
14	Extinction, coexistence, and localized patterns of a bacterial population with contact-dependent inhibition. BMC Systems Biology, 2014, 8, 23.	3.0	17
15	Engineered genetic information processing circuits. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2013, 5, 273-287.	6.6	23