

Andrew E Blanchard

List of Publications by Year in descending order

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15
papers

416
citations

840776

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996975

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16
docs citations

16
times ranked

547
citing authors

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