

Jan Zrimec

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

467
citations

1040056

9
h-index

940533

16
g-index

26
all docs

26
docs citations

26
times ranked

463
citing authors

#	ARTICLE	IF	CITATIONS
1	Data mining of <i>Saccharomyces cerevisiae</i> mutants engineered for increased tolerance towards inhibitors in lignocellulosic hydrolysates. <i>Biotechnology Advances</i> , 2022, 57, 107947.	11.7	29
2	Performance of Regression Models as a Function of Experiment Noise. <i>Bioinformatics and Biology Insights</i> , 2021, 15, 117793222110203.	2.0	9
3	Bayesian genome scale modelling identifies thermal determinants of yeast metabolism. <i>Nature Communications</i> , 2021, 12, 190.	12.8	25
4	Expanding functional protein sequence spaces using generative adversarial networks. <i>Nature Machine Intelligence</i> , 2021, 3, 324-333.	16.0	165
5	Learning the Regulatory Code of Gene Expression. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 673363.	3.5	17
6	Plastic-Degrading Potential across the Global Microbiome Correlates with Recent Pollution Trends. <i>MBio</i> , 2021, 12, e0215521.	4.1	51
7	Multiple plasmid origin-of-transfer regions might aid the spread of antimicrobial resistance to human pathogens. <i>MicrobiologyOpen</i> , 2020, 9, e1129.	3.0	7
8	Deep learning suggests that gene expression is encoded in all parts of a co-evolving interacting gene regulatory structure. <i>Nature Communications</i> , 2020, 11, 6141.	12.8	83
9	Parallel Factor Analysis Enables Quantification and Identification of Highly Convolved Data-Independent-Acquired Protein Spectra. <i>Patterns</i> , 2020, 1, 100137.	5.9	2
10	Structural representations of DNA regulatory substrates can enhance sequence-based algorithms by associating functional sequence variants. , 2020, , .		2
11	Natural Microbial Communities Can Be Manipulated by Artificially Constructed Biofilms. <i>Advanced Science</i> , 2019, 6, 1901408.	11.2	16
12	Determining the Virulence Properties of <i>Escherichia coli</i> ST131 Containing Bacteriocin-Encoding Plasmids Using Short- and Long-Read Sequencing and Comparing Them with Those of Other <i>E. coli</i> Lineages. <i>Microorganisms</i> , 2019, 7, 534.	3.6	7
13	DNA structure at the plasmid origin-of-transfer indicates its potential transfer range. <i>Scientific Reports</i> , 2018, 8, 1820.	3.3	17
14	Development of Highly Sensitive, Automatized and Portable Whole-Cell Hg Biosensor Based on Environmentally Relevant Microorganisms. <i>Geomicrobiology Journal</i> , 2017, 34, 596-605.	2.0	9
15	Bridge-Induced Translocation between NUP145 and TOP2 Yeast Genes Models the Genetic Fusion between the Human Orthologs Associated With Acute Myeloid Leukemia. <i>Frontiers in Oncology</i> , 2017, 7, 231.	2.8	3
16	Fast Prediction of DNA Melting Bubbles Using DNA Thermodynamic Stability. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2015, 12, 1137-1145.	3.0	9
17	Band smearing of PCR amplified bacterial 16S rRNA genes: Dependence on initial PCR target diversity. <i>Journal of Microbiological Methods</i> , 2013, 95, 186-194.	1.6	4