

Cen Wan

List of Publications by Year in descending order

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13
papers

551
citations

1307594

7
h-index

1588992

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15
docs citations

15
times ranked

776
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein function prediction is improved by creating synthetic feature samples with generative adversarial networks. <i>Nature Machine Intelligence</i> , 2020, 2, 540-550.	16.0	40
2	Using deep maxout neural networks to improve the accuracy of function prediction from protein interaction networks. <i>PLoS ONE</i> , 2019, 14, e0209958.	2.5	11
3	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. <i>Genome Biology</i> , 2019, 20, 244.	8.8	261
4	Background on Biology of Ageing and Bioinformatics. <i>Advanced Information and Knowledge Processing</i> , 2019, , 25-43.	0.3	0
5	Lazy Hierarchical Feature Selection. <i>Advanced Information and Knowledge Processing</i> , 2019, , 45-80.	0.3	0
6	An empirical evaluation of hierarchical feature selection methods for classification in bioinformatics datasets with gene ontology-based features. <i>Artificial Intelligence Review</i> , 2018, 50, 201-240.	15.7	24
7	Predicting human protein function with multi-task deep neural networks. <i>PLoS ONE</i> , 2018, 13, e0198216.	2.5	58
8	Analysis of temporal transcription expression profiles reveal links between protein function and developmental stages of <i>Drosophila melanogaster</i> . <i>PLoS Computational Biology</i> , 2017, 13, e1005791.	3.2	12
9	Systematic analysis of the gerontome reveals links between aging and age-related diseases. <i>Human Molecular Genetics</i> , 2016, 25, ddw307.	2.9	74
10	Novel hierarchical feature selection algorithms for predicting genes' aging-related function. <i>AI Matters</i> , 2016, 2, 23-24.	0.4	0
11	Two methods for constructing a gene ontology-based feature network for a Bayesian network classifier and applications to datasets of aging-related genes. , 2015, , .		13
12	Predicting the Pro-Longevity or Anti-Longevity Effect of Model Organism Genes with New Hierarchical Feature Selection Methods. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2015, 12, 262-275.	3.0	34
13	Prediction of the pro-longevity or anti-longevity effect of <i>Caenorhabditis Elegans</i> genes based on Bayesian classification methods. , 2013, , .		12