Ehsaneddin Asgari

List of Publications by Year
in descending order

12 papers	1,229 citations	1040056 9 h-index	1281871 11 g-index
21 all docs	21 docs citations	21 times ranked	1553 citing authors

#	Article	IF	Citations
1	Continuous Distributed Representation of Biological Sequences for Deep Proteomics and Genomics. PLoS ONE, 2015, 10, e0141287.	2.5	591
2	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. Genome Biology, 2019, 20, 244.	8.8	261
3	Predicting antimicrobial resistance in <i>Pseudomonas aeruginosa</i> with machine learningâ€enabled molecular diagnostics. EMBO Molecular Medicine, 2020, 12, e10264.	6.9	111
4	MicroPheno: predicting environments and host phenotypes from 16S rRNA gene sequencing using a k-mer based representation of shallow sub-samples. Bioinformatics, 2018, 34, i32-i42.	4.1	68
5	Probabilistic variable-length segmentation of protein sequences for discriminative motif discovery (DiMotif) and sequence embedding (ProtVecX). Scientific Reports, 2019, 9, 3577.	3.3	52
6	Molecular Insights into the Mechanisms of SUN1 Oligomerization in the Nuclear Envelope. Biophysical Journal, 2018, 114, 1190-1203.	0.5	35
7	Integration of scientific and social networks. World Wide Web, 2014, 17, 1051-1079.	4.0	18
8	EpitopeVec: linear epitope prediction using deep protein sequence embeddings. Bioinformatics, 2021, 37, 4517-4525.	4.1	17
9	DiTaxa: nucleotide-pair encoding of 16S rRNA for host phenotype and biomarker detection. Bioinformatics, 2019, 35, 2498-2500.	4.1	15
10	Comparing Fifty Natural Languages and Twelve Genetic Languages Using Word Embedding Language Divergence (WELD) as a Quantitative Measure of Language Distance. , 2016, , .		14
11	Deep Genomics and Proteomics: Language Model-Based Embedding of Biological Sequences and Their Applications in Bioinformatics. , 2019, , 167-181.		3
12	Overview of Character-Based Models for Natural Language Processing. Lecture Notes in Computer Science, 2018, , 3-16.	1.3	2