Seonwoo Min

List of Publications by Year
in descending order

14 papers	1,905 citations	759233 12 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	2768 citing authors

#	Article	IF	Citations
1	Deep learning in bioinformatics. Briefings in Bioinformatics, 2017, 18, bbw068.	6.5	865
2	Deep learning improves prediction of CRISPR–Cpf1 guide RNA activity. Nature Biotechnology, 2018, 36, 239-241.	17.5	252
3	Predicting the efficiency of prime editing guide RNAs in human cells. Nature Biotechnology, 2021, 39, 198-206.	17.5	160
4	Prediction of the sequence-specific cleavage activity of Cas9 variants. Nature Biotechnology, 2020, 38, 1328-1336.	17.5	133
5	SpCas9 activity prediction by DeepSpCas9, a deep learning–based model with high generalization performance. Science Advances, 2019, 5, eaax9249.	10.3	130
6	High-throughput analysis of the activities of xCas9, SpCas9-NG and SpCas9 at matched and mismatched target sequences in human cells. Nature Biomedical Engineering, 2020, 4, 111-124.	22.5	98
7	Sequence-specific prediction of the efficiencies of adenine and cytosine base editors. Nature Biotechnology, 2020, 38, 1037-1043.	17.5	73
8	Learned Embeddings from Deep Learning to Visualize and Predict Protein Sets. Current Protocols, 2021, 1, e113.	2.9	61
9	Generation of a more efficient prime editor 2 by addition of the Rad51 DNA-binding domain. Nature Communications, 2021, 12, 5617.	12.8	47
10	Recording of elapsed time and temporal information about biological events using Cas9. Cell, 2021, 184, 1047-1063.e23.	28.9	29
11	Pre-Training of Deep Bidirectional Protein Sequence Representations With Structural Information. IEEE Access, 2021, 9, 123912-123926.	4.2	20
12	Learning-Based Instantaneous Drowsiness Detection Using Wired and Wireless Electroencephalography. IEEE Access, 2019, 7, 146390-146402.	4.2	14
13	TargetNet: functional microRNA target prediction with deep neural networks. Bioinformatics, 2022, 38, 671-677.	4.1	12
14	Protein transfer learning improves identification of heat shock protein families. PLoS ONE, 2021, 16, e0251865.	2.5	11