

Jaswinder Singh

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

513
citations

1040056

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1199594

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16
all docs

16
docs citations

16
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374
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA secondary structure prediction using an ensemble of two-dimensional deep neural networks and transfer learning. Nature Communications, 2019, 10, 5407.	12.8	214
2	Single-sequence-based prediction of protein secondary structures and solvent accessibility by deep whole-sequence learning. Journal of Computational Chemistry, 2018, 39, 2210-2216.	3.3	84
3	Improved RNA secondary structure and tertiary base-pairing prediction using evolutionary profile, mutational coupling and two-dimensional transfer learning. Bioinformatics, 2021, 37, 2589-2600.	4.1	47
4	RNAcmap: a fully automatic pipeline for predicting contact maps of RNAs by evolutionary coupling analysis. Bioinformatics, 2021, 37, 3494-3500.	4.1	27
5	SPOT-Contact-LM: improving single-sequence-based prediction of protein contact map using a transformer language model. Bioinformatics, 2022, 38, 1888-1894.	4.1	25
6	SPOT-1D-Single: improving the single-sequence-based prediction of protein secondary structure, backbone angles, solvent accessibility and half-sphere exposures using a large training set and ensembled deep learning. Bioinformatics, 2021, 37, 3464-3472.	4.1	22
7	Single-sequence and profile-based prediction of RNA solvent accessibility using dilated convolutional neural network. Bioinformatics, 2021, 36, 5169-5176.	4.1	21
8	Reaching alignment-profile-based accuracy in predicting protein secondary and tertiary structural properties without alignment. Scientific Reports, 2022, 12, 7607.	3.3	14
9	Predicting RNA distance-based contact maps by integrated deep learning on physics-inferred secondary structure and evolutionary-derived mutational coupling. Bioinformatics, 2022, 38, 3900-3910.	4.1	14
10	Detecting Proline and Non-Proline Cis Isomers in Protein Structures from Sequences Using Deep Residual Ensemble Learning. Journal of Chemical Information and Modeling, 2018, 58, 2033-2042.	5.4	13
11	Probing RNA structures and functions by solvent accessibility: an overview from experimental and computational perspectives. Briefings in Bioinformatics, 2022, 23, .	6.5	13
12	RNA Backbone Torsion and Pseudotorsion Angle Prediction Using Dilated Convolutional Neural Networks. Journal of Chemical Information and Modeling, 2021, 61, 2610-2622.	5.4	12
13	The effect of thin insulating layers on surface fields from a 433MHz transmitter inside the human body. , 2018, , .		1
14	SPOT-1D2: Improving Protein Secondary Structure Prediction using High Sequence Identity Training Set and an Ensemble of Recurrent and Residual-convolutional Neural Networks. , 2021, , .		1