Shuangjia Zheng

List of Publications by Year
in descending order

23	1,678	687363 13	794594 19
papers	citations	h-index	g-index

36	36	36	1690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep Learning Enables Accurate Diagnosis of Novel Coronavirus (COVID-19) With CT Images. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2775-2780.	3.0	531
2	Predicting drugâ€“protein interaction using quasi-visual question answering system. Nature Machine Intelligence, 2020, 2, 134-140.	16.0	154
3	Predicting Retrosynthetic Reactions Using Self-Corrected Transformer Neural Networks. Journal of Chemical Information and Modeling, 2020, 60, 47-55.	5.4	112
4	Amelioration of Alzheimerâ€™s disease pathology by mitophagy inducers identified via machine learning and a cross-species workflow. Nature Biomedical Engineering, 2022, 6, 76-93.	22.5	110
5	Identifying Structureâ€“Property Relationships through SMILES Syntax Analysis with Self-Attention Mechanism. Journal of Chemical Information and Modeling, 2019, 59, 914-923.	5.4	78
6	SyntaLinker: automatic fragment linking with deep conditional transformer neural networks. Chemical Science, 2020, 11, 8312-8322.	7.4	72
7	PharmKG: a dedicated knowledge graph benchmark for bomedical data mining. Briefings in Bioinformatics, 2021, 22, .	6.5	70
8	Structure-aware protein solubility prediction from sequence through graph convolutional network and predicted contact map. Journal of Cheminformatics, 2021, 13, 7.	6.1	57
9	QBMG: quasi-biogenic molecule generator with deep recurrent neural network. Journal of Cheminformatics, 2019, 11, 5.	6.1	52
10	Communicative Representation Learning on Attributed Molecular Graphs. , 2020, , .		50
11	AlphaFold2-aware proteinâ€“DNA binding site prediction using graph transformer. Briefings in Bioinformatics, 2022, 23, .	6.5	48
12	Structure-Aware Multimodal Deep Learning for Drugâ€“Protein Interaction Prediction. Journal of Chemical Information and Modeling, 2022, 62, 1308-1317.	5.4	28
13	Deep scaffold hopping with multimodal transformer neural networks. Journal of Cheminformatics, 2021, 13, 87.	6.1	24
14	Learning Attributed Graph Representation with Communicative Message Passing Transformer. , 2021, , .		19
15	Deep learning enables discovery of highly potent anti-osteoporosis natural products. European Journal of Medicinal Chemistry, 2021, 210, 112982.	5.5	17
16	Meta Learning for Low-Resource Molecular Optimization. Journal of Chemical Information and Modeling, 2021, 61, 1627-1636.	5.4	17
17	Kinase Inhibitor Scaffold Hopping with Deep Learning Approaches. Journal of Chemical Information and Modeling, 2021, 61, 4900-4912.	5.4	11
18	Predicting the Feasibility of Copper(I)-Catalyzed Alkyneâ€“Azide Cycloaddition Reactions Using a Recurrent Neural Network with a Self-Attention Mechanism. Journal of Chemical Information and Modeling, 2020, 60, 1165-1174.	5.4	9

#	Article	IF	Citations
19	To improve the predictions of binding residues with DNA, RNA, carbohydrate, and peptide via multi-task deep neural networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, PP, 1-1.	3.0	5
20	Subgraph-aware Few-Shot Inductive Link Prediction via Meta-Learning. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	3
21	Precise estimation of residue relative solvent accessible area from CÎ± atom distance matrix using a deep learning method. Bioinformatics, 2021, 38, 94-98.	4.1	2
22	Communicative Subgraph Representation Learning for Multi-Relational Inductive Drug-Gene Interaction Prediction. , 2022, , .		2
23	DeepANIS: Predicting antibody paratope from concatenated CDR sequences by integrating bidirectional long-short-term memory and transformer neural networks. , 2021, , .		1