Sai Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12147406/publications.pdf

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21	811	759233 12	794594 19
papers	citations	h-index	g-index

27	27	27	1225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A deep learning framework for modeling structural features of RNA-binding protein targets. Nucleic Acids Research, 2016, 44, e32-e32.	14.5	213
2	TITER: predicting translation initiation sites by deep learning. Bioinformatics, 2017, 33, i234-i242.	4.1	83
3	Gene-Environment Interaction in the Era of Precision Medicine. Cell, 2019, 177, 38-44.	28.9	73
4	Decoding the Genomics of Abdominal Aortic Aneurysm. Cell, 2018, 174, 1361-1372.e10.	28.9	68
5	Physical exercise is a risk factor for amyotrophic lateral sclerosis: Convergent evidence from Mendelian randomisation, transcriptomics and risk genotypes. EBioMedicine, 2021, 68, 103397.	6.1	65
6	Analysis of Ribosome Stalling and Translation Elongation Dynamics by Deep Learning. Cell Systems, 2017, 5, 212-220.e6.	6.2	58
7	Genome-wide identification of the genetic basis of amyotrophic lateral sclerosis. Neuron, 2022, 110, 992-1008.e11.	8.1	51
8	DeepHINT: understanding HIV-1 integration via deep learning with attention. Bioinformatics, 2019, 35, 1660-1667.	4.1	41
9	A review of Mendelian randomization in amyotrophic lateral sclerosis. Brain, 2022, 145, 832-842.	7.6	29
10	Rare Variant Burden Analysis within Enhancers Identifies CAV1 as an ALS Risk Gene. Cell Reports, 2020, 33, 108456.	6.4	24
11	A deep boosting based approach for capturing the sequence binding preferences of RNA-binding proteins from high-throughput CLIP-seq data. Nucleic Acids Research, 2017, 45, e129-e129.	14.5	19
12	Membrane lipid raft homeostasis is directly linked to neurodegeneration. Essays in Biochemistry, 2021, 65, 999-1011.	4.7	15
13	Precision medicine in women with epilepsy: The challenge, systematic review, and future direction. Epilepsy and Behavior, 2021, 118, 107928.	1.7	13
14	Advances in the genetic classification of amyotrophic lateral sclerosis. Current Opinion in Neurology, 2021, 34, 756-764.	3.6	12
15	Unbiased metabolome screen leads to personalized medicine strategy for amyotrophic lateral sclerosis. Brain Communications, 2022, 4, fcac069.	3.3	10
16	Multiomic analysis reveals cell-type-specific molecular determinants of COVID-19 severity. Cell Systems, 2022, 13, 598-614.e6.	6.2	10
17	Characterizing RNA Pseudouridylation by Convolutional Neural Networks. Genomics, Proteomics and Bioinformatics, 2021, 19, 815-833.	6.9	5
18	Elastic restricted Boltzmann machines for cancer data analysis. Quantitative Biology, 2017, 5, 159-172.	0.5	4

#	Article	IF	Citations
19	ROSE: A Deep Learning Based Framework for Predicting Ribosome Stalling. SSRN Electronic Journal, 0, , .	0.4	2
20	DeepRibSt: a multi-feature convolutional neural network for predicting ribosome stalling. Multimedia Tools and Applications, 2021, 80, 17239-17255.	3.9	1
21	Genome-Wide Identification of the Genetic Basis of Amyotrophic Lateral Sclerosis. SSRN Electronic Journal, 0, , .	0.4	1