Xiuquan Du

List of Publications by Year
in descending order

46	1,029	471509	434195
papers	citations	17	31
		h-index	g-index

46	46	46	1347
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DeepPPI: Boosting Prediction of Protein–Protein Interactions with Deep Neural Networks. Journal of Chemical Information and Modeling, 2017, 57, 1499-1510.	5.4	181
2	Direct delineation of myocardial infarction without contrast agents using a joint motion feature learning architecture. Medical Image Analysis, 2018, 50, 82-94.	11.6	96
3	Simultaneous left atrium anatomy and scar segmentations via deep learning in multiview information with attention. Future Generation Computer Systems, 2020, 107, 215-228.	7.5	73
4	MsDBP: Exploring DNA-Binding Proteins by Integrating Multiscale Sequence Information via Chou's Five-Step Rule. Journal of Proteome Research, 2019, 18, 3119-3132.	3.7	72
5	An integration of deep learning with feature embedding for protein–protein interaction prediction. PeerJ, 2019, 7, e7126.	2.0	62
6	A Parameter-Free Cleaning Method for SMOTE in Imbalanced Classification. IEEE Access, 2019, 7, 23537-23548.	4.2	45
7	Deep Regression Segmentation for Cardiac Bi-Ventricle MR Images. IEEE Access, 2018, 6, 3828-3838.	4.2	39
8	Complexity Analysis of Electroencephalogram Dynamics in Patients with Parkinson's Disease. Parkinson's Disease, 2017, 2017, 1-9.	1.1	36
9	ConvsPPIS: Identifying Protein-protein Interaction Sites by an Ensemble Convolutional Neural Network with Feature Graph. Current Bioinformatics, 2020, 15, 368-378.	1.5	35
10	A three-way decision ensemble method for imbalanced data oversampling. International Journal of Approximate Reasoning, 2019, 107, 1-16.	3.3	34
11	Cardiac-DeepIED: Automatic Pixel-Level Deep Segmentation for Cardiac Bi-Ventricle Using Improved End-to-End Encoder-Decoder Network. IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1-10.	3.7	33
12	Direct Segmentation-Based Full Quantification for Left Ventricle via Deep Multi-Task Regression Learning Network. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 942-948.	6.3	27
13	A Novel Feature Extraction Scheme with Ensemble Coding for Protein–Protein Interaction Prediction. International Journal of Molecular Sciences, 2014, 15, 12731-12749.	4.1	26
14	DeepSS: Exploring Splice Site Motif Through Convolutional Neural Network Directly From DNA Sequence. IEEE Access, 2018, 6, 32958-32978.	4.2	25
15	Multiview Two-Task Recursive Attention Model for Left Atrium and Atrial Scars Segmentation. Lecture Notes in Computer Science, 2018, , 455-463.	1.3	23
16	Identification and Analysis of Cancer Diagnosis Using Probabilistic Classification Vector Machines with Feature Selection. Current Bioinformatics, 2018, 13, 625-632.	1.5	22
17	Correlated Regression Feature Learning for Automated Right Ventricle Segmentation. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-10.	3.7	19
18	Prediction of DNA binding proteins using local features and long-term dependencies with primary sequences based on deep learning. PeerJ, 2021, 9, e11262.	2.0	17

#	Article	IF	Citations
19	Beat-to-Beat Blood Pressure and Two-dimensional (axial and radial) Motion of the Carotid Artery Wall: Physiological Evaluation of Arterial Stiffness. Scientific Reports, 2017, 7, 42254.	3.3	16
20	An integrated deep learning framework for joint segmentation of blood pool and myocardium. Medical Image Analysis, 2020, 62, 101685.	11.6	14
21	Improved Prediction of Protein Binding Sites from Sequences Using Genetic Algorithm. Protein Journal, 2009, 28, 273-280.	1.6	13
22	Automatic segmentation of left ventricle using parallel end–end deep convolutional neural networks framework. Knowledge-Based Systems, 2020, 204, 106210.	7.1	13
23	An end-to-end joint learning framework of artery-specific coronary calcium scoring in non-contrast cardiac CT. Computing (Vienna/New York), 2019, 101, 667-678.	4.8	9
24	TSU-net: Two-stage multi-scale cascade and multi-field fusion U-net for right ventricular segmentation. Computerized Medical Imaging and Graphics, 2021, 93, 101971.	5.8	9
25	Incomplete data ensemble classification using imputation-revision framework with local spatial neighborhood information. Applied Soft Computing Journal, 2021, 99, 106905.	7.2	8
26	DFpin: Deep learning–based protein-binding site prediction with feature-based non-redundancy from RNA level. Computers in Biology and Medicine, 2022, 142, 105216.	7.0	8
27	Prediction of protein–protein interaction sites by means of ensemble learning and weighted feature descriptor. Journal of Biological Research, 2016, 23, 10.	2.1	7
28	DeepMVF-RBP: Deep Multi-view Fusion Representation Learning for RNA-binding Proteins Prediction. , 2018, , .		7
29	A novel machine-learning algorithm to estimate the position and size of myocardial infarction for MRI sequence. Computing (Vienna/New York), 2019, 101, 653-665.	4.8	7
30	DeepCQ: Deep multi-task conditional quantification network for estimation of left ventricle parameters. Computer Methods and Programs in Biomedicine, 2020, 184, 105288.	4.7	7
31	Segmentation and visualization of left atrium through a unified deep learning framework. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 589-600.	2.8	7
32	Constraint-Based Unsupervised Domain Adaptation Network for Multi-Modality Cardiac Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 67-78.	6.3	7
33	Two-stage segmentation network with feature aggregation and multi-level attention mechanism for multi-modality heart images. Computerized Medical Imaging and Graphics, 2022, 97, 102054.	5.8	6
34	econvRBP: Improved ensemble convolutional neural networks for RNA binding protein prediction directly from sequence. Methods, 2020, 181-182, 15-23.	3.8	5
35	A novel feature extraction scheme for prediction of protein–protein interaction sites. Molecular BioSystems, 2015, 11, 475-485.	2.9	3
36	Analysis and Prediction of Exon Skipping Events from RNA-Seq with Sequence Information Using Rotation Forest. International Journal of Molecular Sciences, 2017, 18, 2691.	4.1	3

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37	Using Chouâ€™s 5-Step Rule to Predict DNA-Protein Binding with Multi-scale Complementary Feature. Journal of Proteome Research, 2021, 20, 1639-1656.	3.7	3
38	Identifying Protein-Protein Interaction Sites Using Covering Algorithm. International Journal of Molecular Sciences, 2009, 10, 2190-2202.	4.1	2
39	Prediction of Splice Site using Support Vector Machine with Feature Selection. , 2017, , .		2
40	Generative image inpainting for link prediction. Applied Intelligence, 2020, 50, 4482-4494.	5.3	2
41	DeepBtoD: Improved RNA-binding proteins prediction via integrated deep learning. Journal of Bioinformatics and Computational Biology, 2022, 20, 2250006.	0.8	2
42	Prediction of Protein-Protein Interaction Sites Using Granularity Computing of Quotient Space Theory. , 2008, , .		1
43	Inferring protein-protein interactions from sequence using sequence order information. , 2010, , .		1
44	Identification and Analysis of Driver Missense Mutations Using Rotation Forest with Feature Selection. BioMed Research International, 2014, 2014, 1-7.	1.9	1
45	Classifying Incomplete Gene-Expression Data: Ensemble Learning with Non-Pre-Imputation Feature Filtering and Best-First Search Technique. International Journal of Molecular Sciences, 2018, 19, 3398.	4.1	1
46	Prediction of Protein-Protein Interaction By Metasample-Based Sparse Representation. Mathematical Problems in Engineering, 2015, 2015, 1-7.	1.1	0