

Xuejun Liu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

579
citations

1163117

8
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

891
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Voltage Charging-Induced Strain, Heterogeneity, and Micro-Cracks in Secondary Particles of a Nickel-Rich Layered Cathode Material. <i>Advanced Functional Materials</i> , 2019, 29, 1900247.	14.9	219
2	A deep learning approach for efficiently and accurately evaluating the flow field of supercritical airfoils. <i>Computers and Fluids</i> , 2020, 198, 104393.	2.5	76
3	Probe-level measurement error improves accuracy in detecting differential gene expression. <i>Bioinformatics</i> , 2006, 22, 2107-2113.	4.1	68
4	A tractable probabilistic model for Affymetrix probe-level analysis across multiple chips. <i>Bioinformatics</i> , 2005, 21, 3637-3644.	4.1	66
5	puma: a Bioconductor package for propagating uncertainty in microarray analysis. <i>BMC Bioinformatics</i> , 2009, 10, 211.	2.6	66
6	Including probe-level uncertainty in model-based gene expression clustering. <i>BMC Bioinformatics</i> , 2007, 8, 98.	2.6	16
7	A generative deep learning framework for airfoil flow field prediction with sparse data. <i>Chinese Journal of Aeronautics</i> , 2022, 35, 470-484.	5.3	16
8	Improving RNA-Seq expression estimation by modeling isoform- and exon-specific read sequencing rate. <i>BMC Bioinformatics</i> , 2015, 16, 332.	2.6	14
9	Mapping RNA-seq reads to transcriptomes efficiently based on learning to hash method. <i>Computers in Biology and Medicine</i> , 2020, 116, 103539.	7.0	8
10	Numerical investigation on keyhole collapsing and rebuilding behavior during pulsed laser beam welding of Ti6Al4V titanium alloy under various pulse frequencies. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	7
11	puma 3.0: improved uncertainty propagation methods for gene and transcript expression analysis. <i>BMC Bioinformatics</i> , 2013, 14, 39.	2.6	6
12	A data-driven deep learning approach for predicting separation-induced transition of submarines. <i>Physics of Fluids</i> , 2022, 34, .	4.0	5
13	Including Probe-Level Measurement Error in Robust Mixture Clustering of Replicated Microarray Gene Expression. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2010, 9, Article42.	0.6	3
14	PBSeq: Modeling base-level bias to estimate gene and isoform expression for RNA-seq data. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 1247-1258.	3.6	2
15	Detecting differential transcript usage across multiple conditions for RNA-seq data based on the smoothed LDA model. <i>Frontiers of Computer Science</i> , 2021, 15, 1.	2.4	2
16	Numerical investigation on keyhole stability and weld pool dynamics during quasi-continuous laser beam welding of Ti6Al4V plate using constant and modulated high-frequency pulsed heat input. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 229-247.	3.0	2
17	Modeling Exon-Specific Bias Distribution Improves the Analysis of RNA-Seq Data. <i>PLoS ONE</i> , 2015, 10, e0140032.	2.5	1
18	Detecting differential expression from RNA-seq data with expression measurement uncertainty. <i>Frontiers of Computer Science</i> , 2015, 9, 652-663.	2.4	1

#	ARTICLE	IF	CITATIONS
19	DAE-TPGM: A deep autoencoder network based on a two-part-gamma model for analyzing single-cell RNA-seq data. Computers in Biology and Medicine, 2022, 146, 105578.	7.0	1
20	An Improved Probabilistic Model for Finding Differential Gene Expression. , 2009, , .		0
21	Predicting pressure coefficients of wing surface based on the transfer of spatial dependency. AIP Advances, 2022, 12, 055225.	1.3	0