

Junbo Duan

List of Publications by Year in descending order

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1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Studies of Copy Number Variation Detection Methods for Next-Generation Sequencing Technologies. PLoS ONE, 2013, 8, e59128.	1.1	138
2	From Bernoulli to Gaussian Deconvolution to Sparse Signal Restoration. IEEE Transactions on Signal Processing, 2011, 59, 4572-4584.	3.2	106
3	Automated Force Volume Image Processing for Biological Samples. PLoS ONE, 2011, 6, e18887.	1.1	86
4	Sparse representation based biomarker selection for schizophrenia with integrated analysis of fMRI and SNPs. NeuroImage, 2014, 102, 220-228.	2.1	44
5	CONDEL: Detecting Copy Number Variation and Genotyping Deletion Zygosity from Single Tumor Samples using Sequence Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 17, 1-1.	1.9	42
6	Generalized LASSO with under-determined regularization matrices. Signal Processing, 2016, 127, 239-246.	2.1	40
7	Comparative study of whole exome sequencing-based copy number variation detection tools. BMC Bioinformatics, 2020, 21, 97.	1.2	40
8	CNV-TV: A robust method to discover copy number variation from short sequencing reads. BMC Bioinformatics, 2013, 14, 150.	1.2	38
9	Common Copy Number Variation Detection From Multiple Sequenced Samples. IEEE Transactions on Biomedical Engineering, 2014, 61, 928-937.	2.5	22
10	Increasing Axial Resolution of Ultrasonic Imaging With a Joint Sparse Representation Model. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 2045-2056.	1.7	19
11	SVSR: A Program to Simulate Structural Variations and Generate Sequencing Reads for Multiple Platforms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1082-1091.	1.9	13
12	Pulse-Inversion Subharmonic Ultrafast Active Cavitation Imaging in Tissue Using Fast Eigenspace-Based Adaptive Beamforming and Cavitation Deconvolution. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1175-1193.	1.7	11
13	On LARS/Homotopy Equivalence Conditions for Over-Determined LASSO. IEEE Signal Processing Letters, 2012, 19, 894-897.	2.1	8
14	A Sparse Model Based Detection of Copy Number Variations From Exome Sequencing Data. IEEE Transactions on Biomedical Engineering, 2016, 63, 496-505.	2.5	5
15	Subtyping of Glioma by Combining Gene Expression and CNVs Data Based on a Compressive Sensing Approach. Advancements in Genetic Engineering, 2012, 01, 101.	0.1	4
16	Detection of common copy number variation with application to population clustering from next generation sequencing data. , 2012, 2012, 1246-9.		3
17	HOPS: A Fast Algorithm for Segmenting Piecewise Polynomials of Arbitrary Orders. IEEE Access, 2021, 9, 155977-155987.	2.6	3
18	Sparse representation based biomarker selection for schizophrenia with integrated analysis of fMRI and SNP data. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
19	A Joint Least Squares and Least Absolute Deviation Model. IEEE Signal Processing Letters, 2019, 26, 543-547.	2.1	2
20	CRSCNV: A Cross-Model-Based Statistical Approach to Detect Copy Number Variations in Sequence Data. IEEE Access, 2020, 8, 2302-2312.	2.6	2
21	Discover layered structure in ultrasound images with a joint sparse representation model. , 2015, , .		1
22	A Parallelizable Framework for Segmenting Piecewise Signals. IEEE Access, 2019, 7, 13217-13229.	2.6	1
23	ERINS: Novel Sequence Insertion Detection by Constructing an Extended Reference. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1893-1901.	1.9	1
24	Modeling exome sequencing data with generalized Gaussian distribution with application to copy number variation detection. , 2013, , .		0
25	Population clustering based on copy number variations detected from next generation sequencing data. Journal of Bioinformatics and Computational Biology, 2014, 12, 1450021.	0.3	0
26	Pulse inversion based multi-subharmonic composite cavitation imaging. , 2015, , .		0
27	Detection of False-Positive Deletions from the Database of Genomic Variants. BioMed Research International, 2019, 2019, 1-8.	0.9	0
28	Fitting of Atomic Force Microscopy Force Curves with a Sparse Representation Model. Mathematical Problems in Engineering, 2021, 2021, 1-7.	0.6	0
29	Smoothing of Time-Varying Graph With the Generalized LASSO. IEEE Access, 2021, 9, 162348-162358.	2.6	0