

Nikita A Sakhanenko

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

479
citations

1040056

9
h-index

752698

20
g-index

31
all docs

31
docs citations

31
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Children's erythrocyte fatty acids are associated with the risk of islet autoimmunity. <i>Scientific Reports</i> , 2021, 11, 3627.	3.3	10
2	Optimized permutation testing for information theoretic measures of multi-gene interactions. <i>BMC Bioinformatics</i> , 2021, 22, 180.	2.6	2
3	Toward an Information Theory of Quantitative Genetics. <i>Journal of Computational Biology</i> , 2021, 28, 527-559.	1.6	4
4	Cerebrospinal Fluid MicroRNA Changes in Cognitively Normal Veterans With a History of Deployment-Associated Mild Traumatic Brain Injury. <i>Frontiers in Neuroscience</i> , 2021, 15, 720778.	2.8	3
5	Partial Information Decomposition and the Information Delta: A Geometric Unification Disentangling Non-Pairwise Information. <i>Entropy</i> , 2020, 22, 1333.	2.2	4
6	Complex genetic dependencies among growth and neurological phenotypes in healthy children: Towards deciphering developmental mechanisms. <i>PLoS ONE</i> , 2020, 15, e0242684.	2.5	9
7	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , 2019, 177, 231-242.	28.9	152
8	Computational Inference Software for Tetrad Assembly from Randomly Arrayed Yeast Colonies. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2071-2088.	1.8	2
9	Symmetries among Multivariate Information Measures Explored Using Möbius Operators. <i>Entropy</i> , 2019, 21, 88.	2.2	7
10	Multivariate Analysis of Data Sets with Missing Values: An Information Theory-Based Reliability Function. <i>Journal of Computational Biology</i> , 2019, 26, 152-171.	1.6	3
11	Modeling bias and variation in the stochastic processes of small RNA sequencing. <i>Nucleic Acids Research</i> , 2017, 45, e104-e104.	14.5	7
12	The Information Content of Discrete Functions and Their Application in Genetic Data Analysis. <i>Journal of Computational Biology</i> , 2017, 24, 1153-1178.	1.6	9
13	Expansion of the Kullback-Leibler Divergence, and a New Class of Information Metrics. <i>Axioms</i> , 2017, 6, 8.	1.9	20
14	Complexity and Vulnerability Analysis of the <i>C. Elegans</i> Gap Junction Connectome. <i>Entropy</i> , 2017, 19, 104.	2.2	3
15	Biological Data Analysis as an Information Theory Problem: Multivariable Dependence Measures and the Shadows Algorithm. <i>Journal of Computational Biology</i> , 2015, 22, 1005-1024.	1.6	24
16	An Evaluation of High-Throughput Approaches to QTL Mapping in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2014, 196, 853-865.	2.9	86
17	Describing the Complexity of Systems: Multivariable Set Complexity and the Information Basis of Systems Biology. <i>Journal of Computational Biology</i> , 2014, 21, 118-140.	1.6	28
18	Discovering Pair-Wise Genetic Interactions: An Information Theory-Based Approach. <i>PLoS ONE</i> , 2014, 9, e92310.	2.5	20

#	ARTICLE	IF	CITATIONS
19	Probabilistic Logic Methods and Some Applications to Biology and Medicine. Journal of Computational Biology, 2012, 19, 316-336.	1.6	11
20	Relations between the set-complexity and the structure of graphs and their sub-graphs. Eurasip Journal on Bioinformatics and Systems Biology, 2012, 2012, 13.	1.4	6
21	Complexity of networks II: The set complexity of edge-colored graphs. Complexity, 2012, 17, 23-36.	1.6	9
22	Complexity of networks I: The set-complexity of binary graphs. Complexity, 2011, 17, 51-64.	1.6	12
23	Model Failure and Context Switching Using Logic-Based Stochastic Models. Journal of Computer Science and Technology, 2010, 25, 665-680.	1.5	1
24	A systems-biology approach to modular genetic complexity. Chaos, 2010, 20, 026102.	2.5	14
25	Markov Logic Networks in the Analysis of Genetic Data. Journal of Computational Biology, 2010, 17, 1491-1508.	1.6	9
26	PREDICTIONS AND DIAGNOSTICS IN EXPERIMENTAL DATA USING SUPPORT VECTOR REGRESSION. International Journal on Artificial Intelligence Tools, 2009, 18, 163-171.	1.0	1
27	SHOCK PHYSICS DATA RECONSTRUCTION USING SUPPORT VECTOR REGRESSION. International Journal of Modern Physics C, 2006, 17, 1313-1325.	1.7	10
28	Automatic Generation of Generalization Lemmas for Proving Properties of Tail-Recursive Definitions. Lecture Notes in Computer Science, 2003, , 136-154.	1.3	3