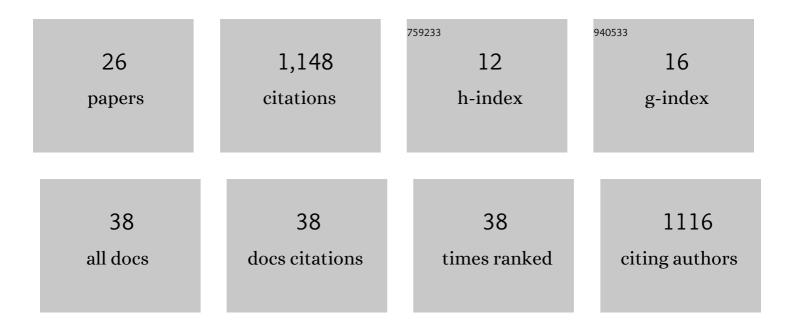
Jeremy Buhler

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Student Attitudes Contribute to the Effectiveness of a Genomics CURE. Journal of Microbiology and Biology Education, 2022, 23, .	1.0	5
2	Facilitating Growth through Frustration: Using Genomics Research in a Course-Based Undergraduate Research Experience. Journal of Microbiology and Biology Education, 2020, 21, .	1.0	19
3	<i>Drosophila</i> Muller F Elements Maintain a Distinct Set of Genomic Properties Over 40 Million Years of Evolution. G3: Genes, Genomes, Genetics, 2015, 5, 719-740.	1.8	84
4	Orchestrating safe streaming computations with precise control. , 2014, , .		2
5	A Central Support System Can Facilitate Implementation and Sustainability of a Classroom-Based Undergraduate Research Experience (CURE) in Genomics. CBE Life Sciences Education, 2014, 13, 711-723.	2.3	63
6	A Course-Based Research Experience: How Benefits Change with Increased Investment in Instructional Time. CBE Life Sciences Education, 2014, 13, 111-130.	2.3	142
7	Polyhedral Constraints for Bounded-Memory Execution of Synchronized Filtering Dataflow. , 2013, , .		4
8	Adding data parallelism to streaming pipelines for throughput optimization. , 2013, , .		5
9	Auto-Pipe: Streaming Applications on Architecturally Diverse Systems. Computer, 2010, 43, 42-49.	1.1	27
10	Evolution of a Distinct Genomic Domain in Drosophila: Comparative Analysis of the Dot Chromosome in <i>Drosophila melanogaster</i> and <i>Drosophila virilis</i> . Genetics, 2010, 185, 1519-1534.	2.9	34
11	Deadlock-avoidance for streaming applications with split-join structure: Two case studies. , 2010, , .		8
12	Acceleration of ungapped extension in Mercury BLAST. Microprocessors and Microsystems, 2009, 33, 281-289.	2.8	18
13	Accelerating Nussinov RNA secondary structure prediction with systolic arrays on FPGAs. , 2008, , .		27
14	Mercury BLASTP. ACM Transactions on Reconfigurable Technology and Systems, 2008, 1, 1-44.	2.5	68
15	DESIGNING SECONDARY STRUCTURE PROFILES FOR FAST NCRNA IDENTIFICATION. , 2008, , .		3
16	A Banded Smith-Waterman FPGA Accelerator for Mercury BLASTP. , 2007, , .		26
17	FPGA-accelerated seed generation in Mercury BLASTP. , 2007, , .		21
18	Biosequence Similarity Search on the Mercury System. Journal of Signal Processing Systems, 2007, 49, 101-121.	1.0	27

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#	Article	IF	CITATIONS
19	The Importance of Research in the Undergraduate Curriculum: Explorations in Genomics. FASEB Journal, 2007, 21, A42.	0.5	0
20	Comparison of dot chromosome sequences from D. melanogaster and D. virilisreveals an enrichment of DNA transposon sequences in heterochromatic domains. Genome Biology, 2006, 7, R15.	8.8	50
21	Cenerating High Fidelity Sequence for the Drosophila Virilis Dot Chromosome. FASEB Journal, 2006, 20, A469.	0.5	0
22	Designing seeds for similarity search in genomic DNA. Journal of Computer and System Sciences, 2005, 70, 342-363.	1.2	64
23	Designing Multiple Simultaneous Seeds for DNA Similarity Search. Journal of Computational Biology, 2005, 12, 847-861.	1.6	46
24	Designing multiple simultaneous seeds for DNA similarity search. , 2004, , .		26
25	Provably Sensitive Indexing Strategies for Biosequence Similarity Search. Journal of Computational Biology, 2003, 10, 399-417.	1.6	10
26	Finding Motifs Using Random Projections. Journal of Computational Biology, 2002, 9, 225-242.	1.6	366