

Steven Skiena

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

8,340
citations

471509

17
h-index

395702

33
g-index

49
all docs

49
docs citations

49
times ranked

5982
citing authors

#	ARTICLE	IF	CITATIONS
1	Diet modulates brain network stability, a biomarker for brain aging, in young adults. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6170-6177.	7.1	85
2	Online AUC Optimization for Sparse High-Dimensional Datasets. , 2020, , .		4
3	Latent human traits in the language of social media: An open-vocabulary approach. PLoS ONE, 2018, 13, e0201703.	2.5	28
4	Co-training Embeddings of Knowledge Graphs and Entity Descriptions for Cross-lingual Entity Alignment. , 2018, , .		136
5	A codon-shuffling method to prevent reversion during production of replication-defective herpesvirus stocks: Implications for herpesvirus vaccines. Scientific Reports, 2017, 7, 44404.	3.3	9
6	Vector-based similarity measurements for historical figures. Information Systems, 2017, 64, 163-174.	3.6	4
7	Don't Walk, Skip!. , 2017, , .		100
8	Optimal codon pair bias design (extended abstract). , 2017, , .		2
9	NanoBLASter: Fast alignment and characterization of Oxford Nanopore single molecule sequencing reads. , 2016, , .		6
10	The Books of Numbers: Quantifying Historical Trends in Numeracy. Mathematical Intelligencer, 2016, 38, 67-73.	0.2	0
11	A Paper Ceiling. American Sociological Review, 2015, 80, 960-984.	5.2	90
12	Vector-Based Similarity Measurements for Historical Figures. Lecture Notes in Computer Science, 2015, , 179-190.	1.3	5
13	DeepWalk. , 2014, , .		5,740
14	Time Trends in Printed News Coverage of Female Subjects, 1880â€“2008. Journalism Studies, 2014, 15, 759-773.	2.1	37
15	Is There a Political Bias? A Computational Analysis of Female Subjects' Coverage in Liberal and Conservative Newspapers. Social Science Quarterly, 2014, 95, 1213-1229.	1.6	19
16	Synthetic Sequence Design for Signal Location Search. Algorithmica, 2013, 67, 368-383.	1.3	1
17	Designing Autocorrelated Genes. , 2013, , .		1
18	Only 15 Minutes? The Social Stratification of Fame in Printed Media. American Sociological Review, 2013, 78, 266-289.	5.2	75

#	ARTICLE	IF	CITATIONS
19	Deliberate reduction of hemagglutinin and neuraminidase expression of influenza virus leads to an ultraproductive live vaccine in mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9481-9486.	7.1	91
20	Identification of two functionally redundant RNA elements in the coding sequence of poliovirus using computer-generated design. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14301-14307.	7.1	37
21	Optimizing restriction site placement for synthetic genomes. Information and Computation, 2012, 213, 59-69.	0.7	2
22	Synthetic Sequence Design for Signal Location Search. Lecture Notes in Computer Science, 2012, , 165-179.	1.3	5
23	Designing RNA Secondary Structures in Coding Regions. Lecture Notes in Computer Science, 2012, , 299-314.	1.3	0
24	Empath: A framework for evaluating entity-level sentiment analysis. , 2011, , .		4
25	Computationally designed adeno-associated virus (AAV) Rep 78 is efficiently maintained within an adenovirus vector. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14294-14299.	7.1	21
26	Constructing Orthogonal de Bruijn Sequences. Lecture Notes in Computer Science, 2011, , 595-606.	1.3	1
27	Live attenuated influenza virus vaccines by computer-aided rational design. Nature Biotechnology, 2010, 28, 723-726.	17.5	248
28	Optimizing Restriction Site Placement for Synthetic Genomes. Lecture Notes in Computer Science, 2010, , 323-337.	1.3	4
29	Analysis of Airplane Boarding Times. Operations Research, 2009, 57, 499-513.	1.9	65
30	Improving Movie Gross Prediction through News Analysis. , 2009, , .		63
31	Expanding network communities from representative examples. ACM Transactions on Knowledge Discovery From Data, 2009, 3, 1-27.	3.5	17
32	Identifying Differences in News Coverage between Cultural/Ethnic Groups. , 2009, , .		5
33	Virus Attenuation by Genome-Scale Changes in Codon Pair Bias. Science, 2008, 320, 1784-1787.	12.6	580
34	Concordance-Based Entity-Oriented Search. , 2007, , .		6
35	Two proteins for the price of one: the design of maximally compressed coding sequences. Natural Computing, 2007, 6, 359-370.	3.0	2
36	Spatial Analysis of News Sources. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 765-772.	4.4	46

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37	Reduction of the Rate of Poliovirus Protein Synthesis through Large-Scale Codon Deoptimization Causes Attenuation of Viral Virulence by Lowering Specific Infectivity. <i>Journal of Virology</i> , 2006, 80, 9687-9696.	3.4	336
38	Identifying Co-referential Names Across Large Corpora. <i>Lecture Notes in Computer Science</i> , 2006, , 12-23.	1.3	11
39	Two Proteins for the Price of One: The Design of Maximally Compressed Coding Sequences. <i>Lecture Notes in Computer Science</i> , 2006, , 387-398.	1.3	2
40	Airplane Boarding, Disk Scheduling and Space-Time Geometry. <i>Lecture Notes in Computer Science</i> , 2005, , 192-202.	1.3	8
41	Lydia: A System for Large-Scale News Analysis. <i>Lecture Notes in Computer Science</i> , 2005, , 161-166.	1.3	62
42	INTEGRATING MICROARRAY DATA BY CONSENSUS CLUSTERING. <i>International Journal on Artificial Intelligence Tools</i> , 2004, 13, 863-880.	1.0	85
43	Algorithms for testing that sets of DNA words concatenate without secondary structure. <i>Natural Computing</i> , 2003, 2, 391-415.	3.0	7
44	Natural Selection and Algorithmic Design of mRNA. <i>Journal of Computational Biology</i> , 2003, 10, 419-432.	1.6	27
45	Analysis Techniques for Microarray Time-Series Data. <i>Journal of Computational Biology</i> , 2002, 9, 317-330.	1.6	95
46	LINK: a system for graph computation. <i>Software - Practice and Experience</i> , 2000, 30, 1285-1302.	3.6	5
47	LINK: a system for graph computation. , 2000, 30, 1285.		2