

Steven Skiena

List of Publications by Year in descending order

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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	DeepWalk. , 2014, , .		5,740
2	Virus Attenuation by Genome-Scale Changes in Codon Pair Bias. <i>Science</i> , 2008, 320, 1784-1787.	12.6	580
3	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
4	Live attenuated influenza virus vaccines by computer-aided rational design. <i>Nature Biotechnology</i> , 2010, 28, 723-726.	17.5	248
5	Co-training Embeddings of Knowledge Graphs and Entity Descriptions for Cross-lingual Entity Alignment. , 2018, , .		136
6	Don't Walk, Skip!. , 2017, , .		100
7	Analysis Techniques for Microarray Time-Series Data. <i>Journal of Computational Biology</i> , 2002, 9, 317-330.	1.6	95
8	Deliberate reduction of hemagglutinin and neuraminidase expression of influenza virus leads to an ultraprotective live vaccine in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9481-9486.	7.1	91
9	A Paper Ceiling. <i>American Sociological Review</i> , 2015, 80, 960-984.	5.2	90
10	INTEGRATING MICROARRAY DATA BY CONSENSUS CLUSTERING. <i>International Journal on Artificial Intelligence Tools</i> , 2004, 13, 863-880.	1.0	85
11	Diet modulates brain network stability, a biomarker for brain aging, in young adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6170-6177.	7.1	85
12	Only 15 Minutes? The Social Stratification of Fame in Printed Media. <i>American Sociological Review</i> , 2013, 78, 266-289.	5.2	75
13	Analysis of Airplane Boarding Times. <i>Operations Research</i> , 2009, 57, 499-513.	1.9	65
14	Improving Movie Gross Prediction through News Analysis. , 2009, , .		63
15	Lydia: A System for Large-Scale News Analysis. <i>Lecture Notes in Computer Science</i> , 2005, , 161-166.	1.3	62
16	Spatial Analysis of News Sources. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2006, 12, 765-772.	4.4	46
17	Identification of two functionally redundant RNA elements in the coding sequence of poliovirus using computer-generated design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14301-14307.	7.1	37
18	Time Trends in Printed News Coverage of Female Subjects, 1880â€”2008. <i>Journalism Studies</i> , 2014, 15, 759-773.	2.1	37

#	ARTICLE	IF	CITATIONS
19	Latent human traits in the language of social media: An open-vocabulary approach. PLoS ONE, 2018, 13, e0201703.	2.5	28
20	Natural Selection and Algorithmic Design of mRNA. Journal of Computational Biology, 2003, 10, 419-432.	1.6	27
21	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
22	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
23	Expanding network communities from representative examples. ACM Transactions on Knowledge Discovery From Data, 2009, 3, 1-27.	3.5	17
24	Identifying Co-referential Names Across Large Corpora. Lecture Notes in Computer Science, 2006, , 12-23.	1.3	11
25	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
26	Airplane Boarding, Disk Scheduling and Space-Time Geometry. Lecture Notes in Computer Science, 2005, , 192-202.	1.3	8
27	Algorithms for testing that sets of DNA words concatenate without secondary structure. Natural Computing, 2003, 2, 391-415.	3.0	7
28	Concordance-Based Entity-Oriented Search. , 2007, , .		6
29	NanoBLASTER: Fast alignment and characterization of Oxford Nanopore single molecule sequencing reads. , 2016, , .		6
30	LINK: a system for graph computation. Software - Practice and Experience, 2000, 30, 1285-1302.	3.6	5
31	Identifying Differences in News Coverage between Cultural/Ethnic Groups. , 2009, , .		5
32	Vector-Based Similarity Measurements for Historical Figures. Lecture Notes in Computer Science, 2015, , 179-190.	1.3	5
33	Synthetic Sequence Design for Signal Location Search. Lecture Notes in Computer Science, 2012, , 165-179.	1.3	5
34	Empath: A framework for evaluating entity-level sentiment analysis. , 2011, , .		4
35	Vector-based similarity measurements for historical figures. Information Systems, 2017, 64, 163-174.	3.6	4
36	Optimizing Restriction Site Placement for Synthetic Genomes. Lecture Notes in Computer Science, 2010, , 323-337.	1.3	4

#	ARTICLE	IF	CITATIONS
37	Online AUC Optimization for Sparse High-Dimensional Datasets. , 2020, , .		4
38	Two proteins for the price of one: the design of maximally compressed coding sequences. Natural Computing, 2007, 6, 359-370.	3.0	2
39	Optimizing restriction site placement for synthetic genomes. Information and Computation, 2012, 213, 59-69.	0.7	2
40	Optimal codon pair bias design (extended abstract). , 2017, , .		2
41	LINK: a system for graph computation. , 2000, 30, 1285.		2
42	Two Proteins for the Price of One: The Design of Maximally Compressed Coding Sequences. Lecture Notes in Computer Science, 2006, , 387-398.	1.3	2
43	Synthetic Sequence Design for Signal Location Search. Algorithmica, 2013, 67, 368-383.	1.3	1
44	Designing Autocorrelated Genes. , 2013, , .		1
45	Constructing Orthogonal de Bruijn Sequences. Lecture Notes in Computer Science, 2011, , 595-606.	1.3	1
46	The Books of Numbers: Quantifying Historical Trends in Numeracy. Mathematical Intelligencer, 2016, 38, 67-73.	0.2	0
47	Designing RNA Secondary Structures in Coding Regions. Lecture Notes in Computer Science, 2012, , 299-314.	1.3	0