

David B Searls

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1360734/publications.pdf>

Version: 2024-02-01

41
papers

1,546
citations

394421

19
h-index

315739

38
g-index

43
all docs

43
docs citations

43
times ranked

1546
citing authors

#	ARTICLE	IF	CITATIONS
1	The language of genes. Nature, 2002, 420, 211-217.	27.8	339
2	Data integration: challenges for drug discovery. Nature Reviews Drug Discovery, 2005, 4, 45-58.	46.4	161
3	Gene Structure Prediction by Linguistic Methods. Genomics, 1994, 23, 540-551.	2.9	142
4	Can literature analysis identify innovation drivers in drug discovery?. Nature Reviews Drug Discovery, 2009, 8, 865-878.	46.4	93
5	Pharmacophylogenomics: genes, evolution and drug targets. Nature Reviews Drug Discovery, 2003, 2, 613-623.	46.4	78
6	Analysis of EST-Driven Gene Annotation in Human Genomicâ€™Sequence. Genome Research, 1998, 8, 362-376.	5.5	72
7	Literature mining in support of drug discovery. Briefings in Bioinformatics, 2008, 9, 479-492.	6.5	70
8	Using bioinformatics in gene and drug discovery. Drug Discovery Today, 2000, 5, 135-143.	6.4	54
9	String variable grammar: A logic grammar formalism for the biological language of DNA. The Journal of Logic Programming, 1995, 24, 73-102.	1.7	48
10	Grammatical Representations of Macromolecular Structure. Journal of Computational Biology, 2006, 13, 1077-1100.	1.6	40
11	Linguistic approaches to biological sequences. Bioinformatics, 1997, 13, 333-344.	4.1	38
12	Computational gene discovery and human disease. Current Opinion in Genetics and Development, 1997, 7, 416-423.	3.3	35
13	Trees of life and of language. Nature, 2003, 426, 391-392.	27.8	32
14	BIOINFORMATICSTOOLS FORWHOLEGENOMES. Annual Review of Genomics and Human Genetics, 2000, 1, 251-279.	6.2	30
15	The Roots of Bioinformatics. PLoS Computational Biology, 2010, 6, e1000809.	3.2	29
16	Lipid composition and lateral diffusion in plasma membranes of teratocarcinoma-derived cell lines. Cell, 1981, 24, 511-517.	28.9	26
17	Ten Simple Rules for Online Learning. PLoS Computational Biology, 2012, 8, e1002631.	3.2	21
18	Formal language theory and biological macromolecules. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 1999, , 117-140.	0.0	21

#	ARTICLE	IF	CITATIONS
19	Plasma membrane isolation on DEAE-Sephadex beads. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980, 602, 207-212.	2.6	20
20	bioTk: Componentry for genome informatics graphical user interfaces. <i>Gene</i> , 1995, 163, GC1-GC16.	2.2	17
21	An improved colorimetric assay for plasminogen activator. <i>Analytical Biochemistry</i> , 1980, 107, 64-70.	2.4	16
22	An Online Bioinformatics Curriculum. <i>PLoS Computational Biology</i> , 2012, 8, e1002632.	3.2	16
23	Logic-based configuration with a semantic network. <i>The Journal of Logic Programming</i> , 1990, 8, 53-73.	1.7	15
24	Fast Fourier transform-based correlation of DNA sequences using complex plane encoding. <i>Bioinformatics</i> , 1991, 7, 143-154.	4.1	15
25	A primer in macromolecular linguistics. <i>Biopolymers</i> , 2013, 99, 203-217.	2.4	13
26	Ten Simple Rules for Choosing between Industry and Academia. <i>PLoS Computational Biology</i> , 2009, 5, e1000388.	3.2	12
27	Data integrationâ€”connecting the dots. <i>Nature Biotechnology</i> , 2003, 21, 844-845.	17.5	11
28	SORTEZ: a relational translator for NCBI's ASN.1 database. <i>Bioinformatics</i> , 1994, 10, 369-378.	4.1	10
29	A New Online Computational Biology Curriculum. <i>PLoS Computational Biology</i> , 2014, 10, e1003662.	3.2	10
30	Sequence alignment through pictures. <i>Trends in Genetics</i> , 1996, 12, 35-37.	6.7	9
31	Grand challenges in computational biology. <i>New Comprehensive Biochemistry</i> , 1998, , 3-10.	0.1	8
32	From Jabberwocky to Genome: Lewis Carroll and Computational Biology. <i>Journal of Computational Biology</i> , 2001, 8, 339-348.	1.6	6
33	Clusters of Adjacent and Similarly Expressed Genes across Normal Human Tissues Complicate Comparative Transcriptomic Discovery. <i>OMICS A Journal of Integrative Biology</i> , 2005, 9, 351-363.	2.0	6
34	Risk in drug trials. <i>Lancet, The</i> , 2006, 368, 2205.	13.7	6
35	Lessons from the CAGIâ€™4 Hopkins clinical panel challenge. <i>Human Mutation</i> , 2017, 38, 1155-1168.	2.5	6
36	Document Image Analysis Using Logic-Grammar-Based Syntactic Pattern Recognition. , 1992, , 520-545.		6

#	ARTICLE	IF	CITATIONS
37	Managing genomic and proteomic knowledge. <i>Drug Discovery Today: Technologies</i> , 2005, 2, 197-204.	4.0	4
38	A View from the Dark Side. <i>PLoS Computational Biology</i> , 2007, 3, e105.	3.2	3
39	Visualizing the Genome. , 1997, , 185-204.		2
40	Analysis of early antigenic changes on heterokaryons between L-cells and a teratocarcinoma-derived cell line, TerC. <i>Somatic Cell Genetics</i> , 1982, 8, 587-604.	2.7	0
41	Omic Empiricism. <i>Science Signaling</i> , 2009, 2, eg6.	3.6	0