Erich J Baker

List of Publications by Year
in descending order

34 papers	833 citations	623734 14 h-index	526287 27 g-index
36 all docs	36 docs citations	36 times ranked	1154 citing authors

#	Article	IF	Citations
1	On finding bicliques in bipartite graphs: a novel algorithm and its application to the integration of diverse biological data types. BMC Bioinformatics, 2014, 15, 110.	2.6	131
2	Cross-Species Integrative Functional Genomics in GeneWeaver Reveals a Role for Pafah1b1 in Altered Response to Alcohol. Frontiers in Behavioral Neuroscience, 2016, 10, 1.	2.0	123
3	GeneWeaver: a web-based system for integrative functional genomics. Nucleic Acids Research, 2012, 40, D1067-D1076.	14.5	112
4	Chronic Alcohol Self‐Administration in Monkeys Shows Long‐Term Quantity/Frequency Categorical Stability. Alcoholism: Clinical and Experimental Research, 2014, 38, 2835-2843.	2.4	98
5	Ontological discovery environment: A system for integrating gene–phenotype associations. Genomics, 2009, 94, 377-387.	2.9	35
6	Identifying Future Drinkers: Behavioral Analysis of Monkeys Initiating Drinking to Intoxication is Predictive of Future Drinking Classification. Alcoholism: Clinical and Experimental Research, 2017, 41, 626-636.	2.4	35
7	Monkey Alcohol Tissue Research Resource: Banking Tissues for Alcohol Research. Alcoholism: Clinical and Experimental Research, 2014, 38, 1973-1981.	2.4	31
8	GeneWeaver: data driven alignment of cross-species genomics in biology and disease. Nucleic Acids Research, 2016, 44, D555-D559.	14.5	30
9	Increased levels of the acetaldehyde-derived DNA adduct N^2-ethyldeoxyguanosine in oral mucosa DNA from Rhesus monkeys exposed to alcohol. Mutagenesis, 2016, 31, 553-558.	2.6	26
10	PredSTP: a highly accurate SVM based model to predict sequential cystine stabilized peptides. BMC Bioinformatics, 2015, 16, 210.	2.6	24
11	Unrealistic Optimism and Risk for COVID-19 Disease. Frontiers in Psychology, 2021, 12, 647461.	2.1	24
12	Interpretation of psychiatric genome-wide association studies with multispecies heterogeneous functional genomic data integration. Neuropsychopharmacology, 2021, 46, 86-97.	5.4	22
13	Protein classification using modified *n-grams* and *skip-grams*. Bioinformatics, 2018, 34, 1481-1487.	4.1	21
14	MuTrack: a genome analysis system for large-scale mutagenesis in the mouse. BMC Bioinformatics, 2004, 5, 11.	2.6	19
15	Chronic ethanol drinking increases during the luteal menstrual cycle phase in rhesus monkeys: implication of progesterone and related neurosteroids. Psychopharmacology, 2019, 236, 1817-1828.	3.1	15
16	GeneWeaver: finding consilience in heterogeneous cross-species functional genomics data. Mammalian Genome, 2015, 26, 556-566.	2.2	12
17	Integration of evidence across human and model organism studies: A meeting report. Genes, Brain and Behavior, 2021, 20, e12738.	2.2	12
18	On Finding and Enumerating Maximal and Maximum k-Partite Cliques in k-Partite Graphs. Algorithms, 2019, 12, 23.	2.1	10

#	Article	IF	Citations
19	The importance of open-source integrative genomics to drug discovery. Current Opinion in Drug Discovery & Development, 2010, 13, 310-6.	1.9	7
20	Integrative Functional Genomics for Systems Genetics in GeneWeaver.org. Methods in Molecular Biology, 2017, 1488, 131-152.	0.9	6
21	Protein Classification using Modified <i>N-Gram</i> and <i>Skip-Gram</i> Models. , 2017, , .		5
22	Classes, Databases, and Prediction Methods of Pharmaceutically and Commercially Important Cystine-Stabilized Peptides. Toxins, 2018, 10, 251.	3.4	5
23	Assigning biological function using hidden signatures in cystine-stabilized peptide sequences. Scientific Reports, 2018, 8, 9049.	3.3	5
24	Curating gene sets: challenges and opportunities for integrative analysis. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	5
25	Time for a Drink? A Mathematical Model of Non-human Primate Alcohol Consumption. Frontiers in Applied Mathematics and Statistics, 2019, 5, .	1.3	4
26	Effects of alcohol on c-Myc protein in the brain. Behavioural Brain Research, 2017, 320, 356-364.	2.2	3
27	Pairing food and drink: A physiological model of blood ethanol levels for a variety of drinking behaviors. Mathematical Biosciences, 2022, 345, 108778.	1.9	3
28	Biological Databases for Behavioral Neurobiology. International Review of Neurobiology, 2012, 103, 19-38.	2.0	2
29	CSPred: A machine-learning-based compound model to identify the functional activities of biologically-stable toxins. , 2017, , .		2
30	Dose-response effects of alcohol on biochemical markers of bone turnover in non-human primates: Effects of species, sex and age of onset of drinking. Bone Reports, 2022, 16, 101159.	0.4	2
31	NFU-Enabled FASTA: moving bioinformatics applications onto wide area networks. Source Code for Biology and Medicine, 2007, 2, 8.	1.7	1
32	On using cached results to enumerate maximal k-cliques in GeneWeaver. , 2017, , .		0
33	Using hierarchical similarity to examine the genetics of BehÃ§etâ€™s disease. BMC Research Notes, 2021, 14, 353.	1.4	0
34	A Fine-Grained Video Traffic Control Mechanism in Software-Defined Networks. IEEE Transactions on Network and Service Management, 2022, , 1-1.	4.9	0