Iain M Wallace

List of Publications by Year
in descending order

28 papers	29,254 citations	430442 18 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	48503 citing authors

#	Article	IF	Citations
1	Clustal W and Clustal X version 2.0. Bioinformatics, 2007, 23, 2947-2948.	1.8	25,174
2	The Genetic Landscape of a Cell. Science, 2010, 327, 425-431.	6.0	1,937
3	M-Coffee: combining multiple sequence alignment methods with T-Coffee. Nucleic Acids Research, 2006, 34, 1692-1699.	6.5	533
4	Mapping the Cellular Response to Small Molecules Using Chemogenomic Fitness Signatures. Science, 2014, 344, 208-211.	6.0	217
5	The M-Coffee web server: a meta-method for computing multiple sequence alignments by combining alternative alignment methods. Nucleic Acids Research, 2007, 35, W645-W648.	6.5	209
6	Highly-multiplexed barcode sequencing: an efficient method for parallel analysis of pooled samples. Nucleic Acids Research, 2010, 38, e142-e142.	6.5	184
7	An integrated platform of genomic assays reveals small-molecule bioactivities. Nature Chemical Biology, 2008, 4, 498-506.	3.9	178
8	A predictive model for drug bioaccumulation and bioactivity in Caenorhabditis elegans. Nature Chemical Biology, 2010, 6, 549-557.	3.9	164
9	Dark chemical matter as a promising starting point for drug lead discovery. Nature Chemical Biology, 2015, 11, 958-966.	3.9	110
10	Multiple sequence alignments. Current Opinion in Structural Biology, 2005, 15, 261-266.	2.6	94
11	Open Source Drug Discovery: Highly Potent Antimalarial Compounds Derived from the Tres Cantos Arylpyrroles. ACS Central Science, 2016, 2, 687-701.	5.3	68
12	Evaluation of iterative alignment algorithms for multiple alignment. Bioinformatics, 2005, 21, 1408-1414.	1.8	52
13	Target Prediction for an Open Access Set of Compounds Active against Mycobacterium tuberculosis. PLoS Computational Biology, 2013, 9, e1003253.	1.5	51
14	Analysis and comparison of benchmarks for multiple sequence alignment. In Silico Biology, 2006, 6, 321-39.	0.4	46
15	Compound Prioritization Methods Increase Rates of Chemical Probe Discovery in Model Organisms. Chemistry and Biology, 2011, 18, 1273-1283.	6.2	41
16	PITPs as targets for selectively interfering with phosphoinositide signaling in cells. Nature Chemical Biology, 2014, 10, 76-84.	3.9	39
17	Dafadine inhibits DAF-9 to promote dauer formation and longevity of Caenorhabditis elegans. Nature Chemical Biology, 2011, 7, 891-893.	3.9	27
18	Supervised multivariate analysis of sequence groups to identify specificity determining residues. BMC Bioinformatics, 2007, 8, 135.	1.2	24

#	Article	IF	Citations
19	Mind the gaps: Progress in progressive alignment. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10411-10412.	3.3	19
20	Discovery of a small molecule RXFP3/4 agonist that increases food intake in rats upon acute central administration. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 991-994.	1.0	19
21	A phenotypic screening platform to identify small molecule modulators of Chlamydomonas reinhardtii growth, motility and photosynthesis. Genome Biology, 2012, 13, R105.	13.9	15
22	CHEMGENIE: integration of chemogenomics data for applications in chemical biology. Drug Discovery Today, 2018, 23, 151-160.	3.2	13
23	Application of Titration-Based Screening for the Rapid Pilot Testing of High-Throughput Assays. Journal of Biomolecular Screening, 2014, 19, 651-660.	2.6	11
24	Displaying Chemical Information on a Biological Network Using Cytoscape. Methods in Molecular Biology, 2011, 781, 363-376.	0.4	7
25	Design, Synthesis and Characterization of a Highly Effective Inhibitor for Analog-Sensitive (as) Kinases. PLoS ONE, 2011, 6, e20789.	1.1	7
26	Miniature Short Hairpin RNA Screens to Characterize Antiproliferative Drugs. G3: Genes, Genomes, Genetics, 2013, 3, 1375-1387.	0.8	5
27	Fast embedding methods for clustering tens of thousands of sequences. Computational Biology and Chemistry, 2008, 32, 282-286.	1.1	4
28	Evolution of specificity and diversity. , 2007, , 225-235.		1