Evan E Bolton

List of Publications by Year
in descending order

58	18,288	147801 31	138484 58
papers	citations	h-index	g-index

63	63	63	26822
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PubChem Substance and Compound databases. Nucleic Acids Research, 2016, 44, D1202-D1213.	14.5	3,471
2	PubChem 2019 update: improved access to chemical data. Nucleic Acids Research, 2019, 47, D1102-D1109.	14.5	2,217
3	PubChem in 2021: new data content and improved web interfaces. Nucleic Acids Research, 2021, 49, D1388-D1395.	14.5	2,146
4	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2018, 46, D8-D13.	14.5	1,291
5	Database resources of the national center for biotechnology information. Nucleic Acids Research, 2022, 50, D20-D26.	14.5	887
6	PubChem: Integrated Platform of Small Molecules and Biological Activities. Annual Reports in Computational Chemistry, 2008, , 217-241.	1.7	830
7	Symbol Nomenclature for Graphical Representations of Glycans. Glycobiology, 2015, 25, 1323-1324.	2.5	818
8	ClassyFire: automated chemical classification with a comprehensive, computable taxonomy. Journal of Cheminformatics, 2016, 8, 61.	6.1	779
9	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2011, 39, D38-D51.	14.5	582
10	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2021, 49, D10-D17.	14.5	545
11	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2012, 40, D13-D25.	14.5	510
12	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2019, 47, D23-D28.	14.5	502
13	Disease Ontology 2015 update: an expanded and updated database of human diseases for linking biomedical knowledge through disease data. Nucleic Acids Research, 2015, 43, D1071-D1078.	14.5	498
14	PubChem's BioAssay Database. Nucleic Acids Research, 2012, 40, D400-D412.	14.5	485
15	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2010, 38, D5-D16.	14.5	417
16	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2020, 48, D9-D16.	14.5	381
17	Updates to the Symbol Nomenclature for Glycans guidelines. Glycobiology, 2019, 29, 620-624.	2.5	292
18	An overview of the PubChem BioAssay resource. Nucleic Acids Research, 2010, 38, D255-D266.	14.5	262

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19	PubChem3D: a new resource for scientists. Journal of Cheminformatics, 2011, 3, 32.	6.1	121
20	PubChem3D: conformer ensemble accuracy. Journal of Cheminformatics, 2013, 5, 1.	6.1	96
21	Predicting drug target interactions using meta-path-based semantic network analysis. BMC Bioinformatics, 2016, 17, 160.	2.6	94
22	The PubChem chemical structure sketcher. Journal of Cheminformatics, 2009, 1, 20.	6.1	83
23	PubChem chemical structure standardization. Journal of Cheminformatics, 2018, 10, 36.	6.1	83
24	PUG-SOAP and PUG-REST: web services for programmatic access to chemical information in PubChem. Nucleic Acids Research, 2015, 43, W605-W611.	14.5	80
25	PubChemRDF: towards the semantic annotation of PubChem compound and substance databases. Journal of Cheminformatics, 2015, 7, 34.	6.1	77
26	An update on PUG-REST: RESTful interface for programmatic access to PubChem. Nucleic Acids Research, 2018, 46, W563-W570.	14.5	69
27	Empowering large chemical knowledge bases for exposomics: PubChemLite meets MetFrag. Journal of Cheminformatics, 2021, 13, 19.	6.1	63
28	Literature information in PubChem: associations between PubChem records and scientific articles. Journal of Cheminformatics, 2016, 8, 32.	6.1	58
29	Plant Reactome: a knowledgebase and resource for comparative pathway analysis. Nucleic Acids Research, 2020, 48, D1093-D1103.	14.5	44
30	PubChem3D: Conformer generation. Journal of Cheminformatics, 2011, 3, 4.	6.1	37
31	Fast 3D shape screening of large chemical databases through alignment-recycling. Chemistry Central Journal, 2007, 1, 12.	2.6	29
32	InChI version 1.06: now more than 99.99% reliable. Journal of Cheminformatics, 2021, 13, 40.	6.1	29
33	PubChem3D: Similar conformers. Journal of Cheminformatics, 2011, 3, 13.	6.1	28
34	Assessment of Conformational Ensemble Sizes Necessary for Specific Resolutions of Coverage of Conformational Space. Journal of Chemical Information and Modeling, 2007, 47, 1428-1437.	5.4	27
35	PubChem Protein, Gene, Pathway, and Taxonomy Data Collections: Bridging Biology and Chemistry through Target-Centric Views of PubChem Data. Journal of Molecular Biology, 2022, 434, 167514.	4.2	26
36	PUG-View: programmatic access to chemical annotations integrated in PubChem. Journal of Cheminformatics, 2019, 11, 56.	6.1	23

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37	Discovering pesticides and their TPs in Luxembourg waters using open cheminformatics approaches. Environment International, 2022, 158, 106885.	10.0	21
38	PubChem3D: Biologically relevant 3-D similarity. Journal of Cheminformatics, 2011, 3, 26.	6.1	19
39	Effects of multiple conformers per compound upon 3-D similarity search and bioassay data analysis. Journal of Cheminformatics, 2012, 4, 28.	6.1	19
40	FAIR chemical structures in the Journal of Cheminformatics. Journal of Cheminformatics, 2021, 13, 50.	6.1	19
41	Finding Potential Multitarget Ligands Using PubChem. Methods in Molecular Biology, 2018, 1825, 63-91.	0.9	17
42	PubChem structureâ€“activity relationship (SAR) clusters. Journal of Cheminformatics, 2015, 7, 33.	6.1	16
43	PubChem3D: Diversity of shape. Journal of Cheminformatics, 2011, 3, 9.	6.1	14
44	Similar compounds versus similar conformers: complementarity between PubChem 2-D and 3-D neighboring sets. Journal of Cheminformatics, 2016, 8, 62.	6.1	14
45	Discovering and Summarizing Relationships Between Chemicals, Genes, Proteins, and Diseases in PubChem. Frontiers in Research Metrics and Analytics, 2021, 6, 689059.	1.9	14
46	CAS Common Chemistry in 2021: Expanding Access to Trusted Chemical Information for the Scientific Community. Journal of Chemical Information and Modeling, 2022, 62, 2737-2743.	5.4	13
47	Studying the Parkinsonâ€™s disease metabolome and exposome in biological samples through different analytical and cheminformatics approaches: a pilot study. Analytical and Bioanalytical Chemistry, 2022, 414, 7399-7419.	3.7	12
48	PubChem Periodic Table and Element pages: improving access to information on chemical elements from authoritative sources. Chemistry Teacher International, 2021, 3, 57-65.	1.7	11
49	FAIRifying the exposome journal: Templates for chemical structures and transformations. Exposome, 2022, 2, .	2.8	10
50	PubChem3D: Shape compatibility filtering using molecular shape quadrupoles. Journal of Cheminformatics, 2011, 3, 25.	6.1	8
51	Ten simple rules to run a successful BioHackathon. PLoS Computational Biology, 2020, 16, e1007808.	3.2	7
52	Plant Reactome and PubChem: The Plant Pathway and (Bio)Chemical Entity Knowledgebases. Methods in Molecular Biology, 2022, 2443, 511-525.	0.9	7
53	PubChem atom environments. Journal of Cheminformatics, 2015, 7, 41.	6.1	6
54	BioHackathon 2015: Semantics of data for life sciences and reproducible research. F1000Research, 2020, 9, 136.	1.6	5

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55	Reporting biological assay screening results for maximum impact. Drug Discovery Today: Technologies, 2015, 14, 31-36.	4.0	4
56	ELIXIR and Toxicology: a community in development. F1000Research, 0, 10, 1129.	1.6	3
57	Programmatic Retrieval of Small Molecule Information from PubChem Using PUG-REST. Methods in Pharmacology and Toxicology, 2018, , 1.	0.2	2
58	Enhancing the interoperability of glycan data flow between ChEBI, PubChem, and GlyGen. Glycobiology, 2021, , .	2.5	2