

# Evan E Bolton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5248183/publications.pdf>

Version: 2024-02-01

58  
papers

18,288  
citations

147801

31  
h-index

138484

58  
g-index

63  
all docs

63  
docs citations

63  
times ranked

26822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovering pesticides and their TPs in Luxembourg waters using open cheminformatics approaches. <i>Environment International</i> , 2022, 158, 106885.	10.0	21
2	Database resources of the national center for biotechnology information. <i>Nucleic Acids Research</i> , 2022, 50, D20-D26.	14.5	887
3	Plant Reactome and PubChem: The Plant Pathway and (Bio)Chemical Entity Knowledgebases. <i>Methods in Molecular Biology</i> , 2022, 2443, 511-525.	0.9	7
4	PubChem Protein, Gene, Pathway, and Taxonomy Data Collections: Bridging Biology and Chemistry through Target-Centric Views of PubChem Data. <i>Journal of Molecular Biology</i> , 2022, 434, 167514.	4.2	26
5	FAIRifying the exposome journal: Templates for chemical structures and transformations. <i>Exposome</i> , 2022, 2, .	2.8	10
6	CAS Common Chemistry in 2021: Expanding Access to Trusted Chemical Information for the Scientific Community. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2737-2743.	5.4	13
7	Studying the Parkinson's disease metabolome and exposome in biological samples through different analytical and cheminformatics approaches: a pilot study. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7399-7419.	3.7	12
8	PubChem in 2021: new data content and improved web interfaces. <i>Nucleic Acids Research</i> , 2021, 49, D1388-D1395.	14.5	2,146
9	Database resources of the National Center for Biotechnology Information. <i>Nucleic Acids Research</i> , 2021, 49, D10-D17.	14.5	545
10	Empowering large chemical knowledge bases for exposomics: PubChemLite meets MetFrag. <i>Journal of Cheminformatics</i> , 2021, 13, 19.	6.1	63
11	InChI version 1.06: now more than 99.99% reliable. <i>Journal of Cheminformatics</i> , 2021, 13, 40.	6.1	29
12	FAIR chemical structures in the Journal of Cheminformatics. <i>Journal of Cheminformatics</i> , 2021, 13, 50.	6.1	19
13	Discovering and Summarizing Relationships Between Chemicals, Genes, Proteins, and Diseases in PubChem. <i>Frontiers in Research Metrics and Analytics</i> , 2021, 6, 689059.	1.9	14
14	Enhancing the interoperability of glycan data flow between ChEBI, PubChem, and GlyGen. <i>Glycobiology</i> , 2021, . .	2.5	2
15	PubChem Periodic Table and Element pages: improving access to information on chemical elements from authoritative sources. <i>Chemistry Teacher International</i> , 2021, 3, 57-65.	1.7	11
16	Plant Reactome: a knowledgebase and resource for comparative pathway analysis. <i>Nucleic Acids Research</i> , 2020, 48, D1093-D1103.	14.5	44
17	Database resources of the National Center for Biotechnology Information. <i>Nucleic Acids Research</i> , 2020, 48, D9-D16.	14.5	381
18	Ten simple rules to run a successful BioHackathon. <i>PLoS Computational Biology</i> , 2020, 16, e1007808.	3.2	7

#	ARTICLE	IF	CITATIONS
19	BioHackathon 2015: Semantics of data for life sciences and reproducible research. <i>F1000Research</i> , 2020, 9, 136.	1.6	5
20	PUG-View: programmatic access to chemical annotations integrated in PubChem. <i>Journal of Cheminformatics</i> , 2019, 11, 56.	6.1	23
21	Updates to the Symbol Nomenclature for Glycans guidelines. <i>Glycobiology</i> , 2019, 29, 620-624.	2.5	292
22	Database resources of the National Center for Biotechnology Information. <i>Nucleic Acids Research</i> , 2019, 47, D23-D28.	14.5	502
23	PubChem 2019 update: improved access to chemical data. <i>Nucleic Acids Research</i> , 2019, 47, D1102-D1109.	14.5	2,217
24	Database resources of the National Center for Biotechnology Information. <i>Nucleic Acids Research</i> , 2018, 46, D8-D13.	14.5	1,291
25	Finding Potential Multitarget Ligands Using PubChem. <i>Methods in Molecular Biology</i> , 2018, 1825, 63-91.	0.9	17
26	Programmatic Retrieval of Small Molecule Information from PubChem Using PUG-REST. <i>Methods in Pharmacology and Toxicology</i> , 2018, , 1.	0.2	2
27	An update on PUG-REST: RESTful interface for programmatic access to PubChem. <i>Nucleic Acids Research</i> , 2018, 46, W563-W570.	14.5	69
28	PubChem chemical structure standardization. <i>Journal of Cheminformatics</i> , 2018, 10, 36.	6.1	83
29	Literature information in PubChem: associations between PubChem records and scientific articles. <i>Journal of Cheminformatics</i> , 2016, 8, 32.	6.1	58
30	ClassyFire: automated chemical classification with a comprehensive, computable taxonomy. <i>Journal of Cheminformatics</i> , 2016, 8, 61.	6.1	779
31	Similar compounds versus similar conformers: complementarity between PubChem 2-D and 3-D neighboring sets. <i>Journal of Cheminformatics</i> , 2016, 8, 62.	6.1	14
32	Predicting drug target interactions using meta-path-based semantic network analysis. <i>BMC Bioinformatics</i> , 2016, 17, 160.	2.6	94
33	PubChem Substance and Compound databases. <i>Nucleic Acids Research</i> , 2016, 44, D1202-D1213.	14.5	3,471
34	PubChem structure-activity relationship (SAR) clusters. <i>Journal of Cheminformatics</i> , 2015, 7, 33.	6.1	16
35	PubChem atom environments. <i>Journal of Cheminformatics</i> , 2015, 7, 41.	6.1	6
36	PubChemRDF: towards the semantic annotation of PubChem compound and substance databases. <i>Journal of Cheminformatics</i> , 2015, 7, 34.	6.1	77

#	ARTICLE	IF	CITATIONS
37	PUG-SOAP and PUG-REST: web services for programmatic access to chemical information in PubChem. <i>Nucleic Acids Research</i> , 2015, 43, W605-W611.	14.5	80
38	Disease Ontology 2015 update: an expanded and updated database of human diseases for linking biomedical knowledge through disease data. <i>Nucleic Acids Research</i> , 2015, 43, D1071-D1078.	14.5	498
39	Reporting biological assay screening results for maximum impact. <i>Drug Discovery Today: Technologies</i> , 2015, 14, 31-36.	4.0	4
40	Symbol Nomenclature for Graphical Representations of Glycans. <i>Glycobiology</i> , 2015, 25, 1323-1324.	2.5	818
41	PubChem3D: conformer ensemble accuracy. <i>Journal of Cheminformatics</i> , 2013, 5, 1.	6.1	96
42	Database resources of the National Center for Biotechnology Information. <i>Nucleic Acids Research</i> , 2012, 40, D13-D25.	14.5	510
43	PubChem's BioAssay Database. <i>Nucleic Acids Research</i> , 2012, 40, D400-D412.	14.5	485
44	Effects of multiple conformers per compound upon 3-D similarity search and bioassay data analysis. <i>Journal of Cheminformatics</i> , 2012, 4, 28.	6.1	19
45	Database resources of the National Center for Biotechnology Information. <i>Nucleic Acids Research</i> , 2011, 39, D38-D51.	14.5	582
46	PubChem3D: Similar conformers. <i>Journal of Cheminformatics</i> , 2011, 3, 13.	6.1	28
47	PubChem3D: Shape compatibility filtering using molecular shape quadrupoles. <i>Journal of Cheminformatics</i> , 2011, 3, 25.	6.1	8
48	PubChem3D: Biologically relevant 3-D similarity. <i>Journal of Cheminformatics</i> , 2011, 3, 26.	6.1	19
49	PubChem3D: a new resource for scientists. <i>Journal of Cheminformatics</i> , 2011, 3, 32.	6.1	121
50	PubChem3D: Conformer generation. <i>Journal of Cheminformatics</i> , 2011, 3, 4.	6.1	37
51	PubChem3D: Diversity of shape. <i>Journal of Cheminformatics</i> , 2011, 3, 9.	6.1	14
52	An overview of the PubChem BioAssay resource. <i>Nucleic Acids Research</i> , 2010, 38, D255-D266.	14.5	262
53	Database resources of the National Center for Biotechnology Information. <i>Nucleic Acids Research</i> , 2010, 38, D5-D16.	14.5	417
54	The PubChem chemical structure sketcher. <i>Journal of Cheminformatics</i> , 2009, 1, 20.	6.1	83

#	ARTICLE	IF	CITATIONS
55	PubChem: Integrated Platform of Small Molecules and Biological Activities. Annual Reports in Computational Chemistry, 2008, , 217-241.	1.7	830
56	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
57	Fast 3D shape screening of large chemical databases through alignment-recycling. Chemistry Central Journal, 2007, 1, 12.	2.6	29
58	ELIXIR and Toxicology: a community in development. F1000Research, 0, 10, 1129.	1.6	3