Evan E Bolton

List of Publications by Year
in descending order

58 papers	18,288 citations	168829 31 h-index	156644 58 g-index
63 all docs	63 docs citations	63 times ranked	29712 citing authors

#	Article	IF	Citations
1	Discovering pesticides and their TPs in Luxembourg waters using open cheminformatics approaches. Environment International, 2022, 158, 106885.	4.8	21
2	Database resources of the national center for biotechnology information. Nucleic Acids Research, 2022, 50, D20-D26.	6.5	887
3	Plant Reactome and PubChem: The Plant Pathway and (Bio)Chemical Entity Knowledgebases. Methods in Molecular Biology, 2022, 2443, 511-525.	0.4	7
4	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.	2.0	26
5	FAIRifying the exposome journal: Templates for chemical structures and transformations. Exposome, 2022, 2, .	1.2	10
6	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.	2.5	13
7	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.	1.9	12
8	PubChem in 2021: new data content and improved web interfaces. Nucleic Acids Research, 2021, 49, D1388-D1395.	6.5	2,146
9	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2021, 49, D10-D17.	6.5	545
10	Empowering large chemical knowledge bases for exposomics: PubChemLite meets MetFrag. Journal of Cheminformatics, 2021, 13, 19.	2.8	63
11	InChI version 1.06: now more than 99.99% reliable. Journal of Cheminformatics, 2021, 13, 40.	2.8	29
12	FAIR chemical structures in the Journal of Cheminformatics. Journal of Cheminformatics, 2021, 13, 50.	2.8	19
13	Discovering and Summarizing Relationships Between Chemicals, Genes, Proteins, and Diseases in PubChem. Frontiers in Research Metrics and Analytics, 2021, 6, 689059.	0.9	14
14	Enhancing the interoperability of glycan data flow between ChEBI, PubChem, and GlyGen. Glycobiology, 2021, , .	1.3	2
15	PubChem Periodic Table and Element pages: improving access to information on chemical elements from authoritative sources. Chemistry Teacher International, 2021, 3, 57-65.	0.9	11
16	Plant Reactome: a knowledgebase and resource for comparative pathway analysis. Nucleic Acids Research, 2020, 48, D1093-D1103.	6.5	44
17	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2020, 48, D9-D16.	6.5	381
18	Ten simple rules to run a successful BioHackathon. PLoS Computational Biology, 2020, 16, e1007808.	1.5	7

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19	BioHackathon 2015: Semantics of data for life sciences and reproducible research. F1000Research, 2020, 9, 136.	0.8	5
20	PUG-View: programmatic access to chemical annotations integrated in PubChem. Journal of Cheminformatics, 2019, 11, 56.	2.8	23
21	Updates to the Symbol Nomenclature for Glycans guidelines. Glycobiology, 2019, 29, 620-624.	1.3	292
22	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2019, 47, D23-D28.	6.5	502
23	PubChem 2019 update: improved access to chemical data. Nucleic Acids Research, 2019, 47, D1102-D1109.	6.5	2,217
24	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2018, 46, D8-D13.	6.5	1,291
25	Finding Potential Multitarget Ligands Using PubChem. Methods in Molecular Biology, 2018, 1825, 63-91.	0.4	17
26	Programmatic Retrieval of Small Molecule Information from PubChem Using PUG-REST. Methods in Pharmacology and Toxicology, 2018, , 1.	0.1	2
27	An update on PUG-REST: RESTful interface for programmatic access to PubChem. Nucleic Acids Research, 2018, 46, W563-W570.	6.5	69
28	PubChem chemical structure standardization. Journal of Cheminformatics, 2018, 10, 36.	2.8	83
29	Literature information in PubChem: associations between PubChem records and scientific articles. Journal of Cheminformatics, 2016, 8, 32.	2.8	58
30	ClassyFire: automated chemical classification with a comprehensive, computable taxonomy. Journal of Cheminformatics, 2016, 8, 61.	2.8	779
31	Similar compounds versus similar conformers: complementarity between PubChem 2-D and 3-D neighboring sets. Journal of Cheminformatics, 2016, 8, 62.	2.8	14
32	Predicting drug target interactions using meta-path-based semantic network analysis. BMC Bioinformatics, 2016, 17, 160.	1.2	94
33	PubChem Substance and Compound databases. Nucleic Acids Research, 2016, 44, D1202-D1213.	6.5	3,471
34	PubChem structureâ€“activity relationship (SAR) clusters. Journal of Cheminformatics, 2015, 7, 33.	2.8	16
35	PubChem atom environments. Journal of Cheminformatics, 2015, 7, 41.	2.8	6
36	PubChemRDF: towards the semantic annotation of PubChem compound and substance databases. Journal of Cheminformatics, 2015, 7, 34.	2.8	77

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37	PUG-SOAP and PUG-REST: web services for programmatic access to chemical information in PubChem. Nucleic Acids Research, 2015, 43, W605-W611.	6.5	80
38	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.	6.5	498
39	Reporting biological assay screening results for maximum impact. Drug Discovery Today: Technologies, 2015, 14, 31-36.	4.0	4
40	Symbol Nomenclature for Graphical Representations of Glycans. Glycobiology, 2015, 25, 1323-1324.	1.3	818
41	PubChem3D: conformer ensemble accuracy. Journal of Cheminformatics, 2013, 5, 1.	2.8	96
42	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2012, 40, D13-D25.	6.5	510
43	PubChem's BioAssay Database. Nucleic Acids Research, 2012, 40, D400-D412.	6.5	485
44	Effects of multiple conformers per compound upon 3-D similarity search and bioassay data analysis. Journal of Cheminformatics, 2012, 4, 28.	2.8	19
45	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2011, 39, D38-D51.	6.5	582
46	PubChem3D: Similar conformers. Journal of Cheminformatics, 2011, 3, 13.	2.8	28
47	PubChem3D: Shape compatibility filtering using molecular shape quadrupoles. Journal of Cheminformatics, 2011, 3, 25.	2.8	8
48	PubChem3D: Biologically relevant 3-D similarity. Journal of Cheminformatics, 2011, 3, 26.	2.8	19
49	PubChem3D: a new resource for scientists. Journal of Cheminformatics, 2011, 3, 32.	2.8	121
50	PubChem3D: Conformer generation. Journal of Cheminformatics, 2011, 3, 4.	2.8	37
51	PubChem3D: Diversity of shape. Journal of Cheminformatics, 2011, 3, 9.	2.8	14
52	An overview of the PubChem BioAssay resource. Nucleic Acids Research, 2010, 38, D255-D266.	6.5	262
53	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2010, 38, D5-D16.	6.5	417
54	The PubChem chemical structure sketcher. Journal of Cheminformatics, 2009, 1, 20.	2.8	83

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55	PubChem: Integrated Platform of Small Molecules and Biological Activities. Annual Reports in Computational Chemistry, 2008, , 217-241.	0.9	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.	2.5	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.	0.8	3