

Anna Gaulton

List of Publications by Year in descending order

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49
papers

13,530
citations

185998

28
h-index

223531

46
g-index

57
all docs

57
docs citations

57
times ranked

18232
citing authors

#	ARTICLE	IF	CITATIONS
1	ChEMBL: a large-scale bioactivity database for drug discovery. <i>Nucleic Acids Research</i> , 2012, 40, D1100-D1107.	6.5	3,028
2	The ChEMBL database in 2017. <i>Nucleic Acids Research</i> , 2017, 45, D945-D954.	6.5	1,718
3	A comprehensive map of molecular drug targets. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 19-34.	21.5	1,608
4	The ChEMBL bioactivity database: an update. <i>Nucleic Acids Research</i> , 2014, 42, D1083-D1090.	6.5	1,283
5	ChEMBL: towards direct deposition of bioassay data. <i>Nucleic Acids Research</i> , 2019, 47, D930-D940.	6.5	1,212
6	The Global Phosphorylation Landscape of SARS-CoV-2 Infection. <i>Cell</i> , 2020, 182, 685-712.e19.	13.5	825
7	ChEMBL web services: streamlining access to drug discovery data and utilities. <i>Nucleic Acids Research</i> , 2015, 43, W612-W620.	6.5	437
8	The druggable genome and support for target identification and validation in drug development. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	437
9	Open Targets: a platform for therapeutic target identification and validation. <i>Nucleic Acids Research</i> , 2017, 45, D985-D994.	6.5	355
10	PSICQUIC and PSIScore: accessing and scoring molecular interactions. <i>Nature Methods</i> , 2011, 8, 528-529.	9.0	274
11	Pharos: Collating protein information to shed light on the druggable genome. <i>Nucleic Acids Research</i> , 2017, 45, D995-D1002.	6.5	271
12	Unexplored therapeutic opportunities in the human genome. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 317-332.	21.5	263
13	The EBI RDF platform: linked open data for the life sciences. <i>Bioinformatics</i> , 2014, 30, 1338-1339.	1.8	190
14	An open source chemical structure curation pipeline using RDKit. <i>Journal of Cheminformatics</i> , 2020, 12, 51.	2.8	166
15	SureChEMBL: a large-scale, chemically annotated patent document database. <i>Nucleic Acids Research</i> , 2016, 44, D1220-D1228.	6.5	156
16	UniChem: a unified chemical structure cross-referencing and identifier tracking system. <i>Journal of Cheminformatics</i> , 2013, 5, 3.	2.8	133
17	Actionable druggable genome-wide Mendelian randomization identifies repurposing opportunities for COVID-19. <i>Nature Medicine</i> , 2021, 27, 668-676.	15.2	120
18	Activity, assay and target data curation and quality in the ChEMBL database. <i>Journal of Computer-Aided Molecular Design</i> , 2015, 29, 885-896.	1.3	118

#	ARTICLE	IF	CITATIONS
19	Improving the odds of drug development success through human genomics: modelling study. <i>Scientific Reports</i> , 2019, 9, 18911.	1.6	112
20	The complex portal - an encyclopaedia of macromolecular complexes. <i>Nucleic Acids Research</i> , 2015, 43, D479-D484.	6.5	100
21	Large scale comparison of QSAR and conformal prediction methods and their applications in drug discovery. <i>Journal of Cheminformatics</i> , 2019, 11, 4.	2.8	93
22	Minimum information about a bioactive entity (MIABE). <i>Nature Reviews Drug Discovery</i> , 2011, 10, 661-669.	21.5	80
23	Chemical, Target, and Bioactive Properties of Allosteric Modulation. <i>PLoS Computational Biology</i> , 2014, 10, e1003559.	1.5	75
24	Visualizing the drug target landscape. <i>Drug Discovery Today</i> , 2010, 15, 3-15.	3.2	50
25	Target-Based Evaluation of "Drug-Like" Properties and Ligand Efficiencies. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7210-7230.	2.9	46
26	Chemical databases: curation or integration by user-defined equivalence?. <i>Drug Discovery Today: Technologies</i> , 2015, 14, 17-24.	4.0	43
27	Bioinformatics approaches for the classification of G-protein-coupled receptors. <i>Current Opinion in Pharmacology</i> , 2003, 3, 114-120.	1.7	38
28	Collation and data-mining of literature bioactivity data for drug discovery. <i>Biochemical Society Transactions</i> , 2011, 39, 1365-1370.	1.6	31
29	UniChem: extension of InChI-based compound mapping to salt, connectivity and stereochemistry layers. <i>Journal of Cheminformatics</i> , 2014, 6, 43.	2.8	28
30	A drug target slim: using gene ontology and gene ontology annotations to navigate protein-ligand target space in ChEMBL. <i>Journal of Biomedical Semantics</i> , 2016, 7, 59.	0.9	27
31	Using ChEMBL web services for building applications and data processing workflows relevant to drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 757-767.	2.5	24
32	Role of open chemical data in aiding drug discovery and design. <i>Future Medicinal Chemistry</i> , 2010, 2, 903-907.	1.1	20
33	Managing expectations: assessment of chemistry databases generated by automated extraction of chemical structures from patents. <i>Journal of Cheminformatics</i> , 2015, 7, 49.	2.8	19
34	A large-scale crop protection bioassay data set. <i>Scientific Data</i> , 2015, 2, 150032.	2.4	18
35	Drug target central. <i>Expert Opinion on Drug Discovery</i> , 2009, 4, 857-872.	2.5	16
36	Scientific Lenses to Support Multiple Views over Linked Chemistry Data. <i>Lecture Notes in Computer Science</i> , 2014, , 98-113.	1.0	16

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37	Drug Safety Data Curation and Modeling in ChEMBL: Boxed Warnings and Withdrawn Drugs. <i>Chemical Research in Toxicology</i> , 2021, 34, 385-395.	1.7	15
38	Validation of lipid-related therapeutic targets for coronary heart disease prevention using human genetics. <i>Nature Communications</i> , 2021, 12, 6120.	5.8	13
39	Functional assignment of MAPK phosphatase domains. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 69, 19-31.	1.5	12
40	Motif3D: relating protein sequence motifs to 3D structure. <i>Nucleic Acids Research</i> , 2003, 31, 3333-3336.	6.5	11
41	PPDMsâ€”a resource for mapping small molecule bioactivities from ChEMBL to Pfam-A protein domains. <i>Bioinformatics</i> , 2015, 31, 776-778.	1.8	11
42	A large-scale dataset of in vivo pharmacology assay results. <i>Scientific Data</i> , 2018, 5, 180230.	2.4	8
43	Transporter taxonomy â€” a comparison of different transport protein classification schemes. <i>Drug Discovery Today: Technologies</i> , 2014, 12, e37-e46.	4.0	7
44	The Molecular Basis of Predicting Druggability. , 0, , 1315-1334.		5
45	Transporter assays and assay ontologies: useful tools for drug discovery. <i>Drug Discovery Today: Technologies</i> , 2014, 12, e47-e54.	4.0	4
46	Reply to â€œMissed opportunities in large scale comparison of QSAR and conformal prediction methods and their applications in drug discoveryâ€. <i>Journal of Cheminformatics</i> , 2019, 11, 64.	2.8	4
47	The PRINTS protein fingerprint database: functional and evolutionary applications. , 2006, , .		2
48	The PRINTS protein fingerprint database: functional and evolutionary applications. , 2005, , .		1
49	Shouldn't enantiomeric purity be included in the 'minimum information about a bioactive entity? Response from the MIABE group. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 730-730.	21.5	0