Anna Gaulton

List of Publications by Year in Descending Order

50 papers	8,620 citations	26 h-index	56 g-index
56 ext. papers	11,286 ext. citations	16.3 avg, IF	5.62 L-index

#	Paper	IF	Citations
50	Validation of lipid-related therapeutic targets for coronary heart disease prevention using human genetics. *Nature Communications*, **2021**, 12, 6120	17.4	2
49	Actionable druggable genome-wide Mendelian randomization identifies repurposing opportunities for COVID-19. *Nature Medicine*, **2021**, 27, 668-676	50.5	19
48	Target-Based Evaluation of "Drug-Like" Properties and Ligand Efficiencies. *Journal of Medicinal Chemistry*, **2021**, 64, 7210-7230	8.3	9
47	Drug Safety Data Curation and Modeling in ChEMBL: Boxed Warnings and Withdrawn Drugs. *Chemical Research in Toxicology*, **2021**, 34, 385-395	4	3
46	The Global Phosphorylation Landscape of SARS-CoV-2 Infection. *Cell*, **2020**, 182, 685-712.e19	56.2	439
45	An open source chemical structure curation pipeline using RDKit. *Journal of Cheminformatics*, **2020**, 12, 51	8.6	40
44	Reply to "Missed opportunities in large scale comparison of QSAR and conformal prediction methods and their applications in drug discovery". *Journal of Cheminformatics*, **2019**, 11, 64	8.6	2
43	Improving the odds of drug development success through human genomics: modelling study. *Scientific Reports*, **2019**, 9, 18911	4.9	54
42	ChEMBL: towards direct deposition of bioassay data. *Nucleic Acids Research*, **2019**, 47, D930-D940	20.1	453
41	Large scale comparison of QSAR and conformal prediction methods and their applications in drug discovery. *Journal of Cheminformatics*, **2019**, 11, 4	8.6	53
40	Unexplored therapeutic opportunities in the human genome. *Nature Reviews Drug Discovery*, **2018**, 17, 317-332	64.1	156
39	A large-scale dataset of in vivo pharmacology assay results. *Scientific Data*, **2018**, 5, 180230	8.2	6
38	Pharos: Collating protein information to shed light on the druggable genome. *Nucleic Acids Research*, **2017**, 45, D995-D1002	20.1	146
37	A comprehensive map of molecular drug targets. *Nature Reviews Drug Discovery*, **2017**, 16, 19-34	64.1	1032
36	The druggable genome and support for target identification and validation in drug development. *Science Translational Medicine*, **2017**, 9,	17.5	212
35	Insights into Transporter Classifications: an Outline of Transporters as Drug Targets. *Methods and Principles in Medicinal Chemistry*, **2017**, 1-20	0.4	2
34	Open Targets: a platform for therapeutic target identification and validation. *Nucleic Acids Research* , **2017**, 45, D985-D994	20.1	241

33	The ChEMBL database in 2017. *Nucleic Acids Research*, **2017**, 45, D945-D954	20.1	1059
32	Using ChEMBL web services for building applications and data processing workflows relevant to drug discovery. *Expert Opinion on Drug Discovery*, **2017**, 12, 757-767	6.2	12
31	A drug target slim: using gene ontology and gene ontology annotations to navigate protein-ligand target space in ChEMBL. *Journal of Biomedical Semantics*, **2016**, 7, 59	2.2	21
30	SureChEMBL: a large-scale, chemically annotated patent document database. *Nucleic Acids Research*, **2016**, 44, D1220-8	20.1	102
29	PPDMs-a resource for mapping small molecule bioactivities from ChEMBL to Pfam-A protein domains. *Bioinformatics*, **2015**, 31, 776-8	7.2	8
28	Chemical databases: curation or integration by user-defined equivalence?. *Drug Discovery Today: Technologies*, **2015**, 14, 17-24	7.1	32
27	Activity, assay and target data curation and quality in the ChEMBL database. *Journal of Computer-Aided Molecular Design*, **2015**, 29, 885-96	4.2	79
26	A large-scale crop protection bioassay data set. *Scientific Data*, **2015**, 2, 150032	8.2	12
25	Managing expectations: assessment of chemistry databases generated by automated extraction of chemical structures from patents. *Journal of Cheminformatics*, **2015**, 7, 49	8.6	14
24	ChEMBL web services: streamlining access to drug discovery data and utilities. *Nucleic Acids Research*, **2015**, 43, W612-20	20.1	215
23	The complex portal--an encyclopaedia of macromolecular complexes. *Nucleic Acids Research*, **2015**, 43, D479-84	20.1	68
22	UniChem: extension of InChI-based compound mapping to salt, connectivity and stereochemistry layers. *Journal of Cheminformatics*, **2014**, 6, 43	8.6	25
21	Transporter taxonomy - a comparison of different transport protein classification schemes. *Drug Discovery Today: Technologies*, **2014**, 12, e37-46	7.1	6
20	Transporter assays and assay ontologies: useful tools for drug discovery. *Drug Discovery Today: Technologies*, **2014**, 12, e47-54	7.1	4
19	The ChEMBL bioactivity database: an update. *Nucleic Acids Research*, **2014**, 42, D1083-90	20.1	1052
18	Chemical, target, and bioactive properties of allosteric modulation. *PLoS Computational Biology*, **2014**, 10, e1003559	5	63
17	The EBI RDF platform: linked open data for the life sciences. *Bioinformatics*, **2014**, 30, 1338-9	7.2	160
16	Scientific Lenses to Support Multiple Views over Linked Chemistry Data. *Lecture Notes in Computer Science*, **2014**, 98-113	0.9	12

15	UniChem: a unified chemical structure cross-referencing and identifier tracking system. *Journal of Cheminformatics*, **2013**, 5, 3	8.6	90
14	Shouldn't enantiomeric purity be included in the minimum information about a bioactive entity? Response from the MIABE group. *Nature Reviews Drug Discovery*, **2012**, 11, 730-730	64.1	
13	ChEMBL: a large-scale bioactivity database for drug discovery. *Nucleic Acids Research*, **2012**, 40, D1100-7	20.1	2257
12	PSICQUIC and PSISCORE: accessing and scoring molecular interactions. *Nature Methods*, **2011**, 8, 528-9	21.6	227
11	Minimum information about a bioactive entity (MIABE). *Nature Reviews Drug Discovery*, **2011**, 10, 661-9	64.1	69
10	Collation and data-mining of literature bioactivity data for drug discovery. *Biochemical Society Transactions*, **2011**, 39, 1365-70	5.1	27
9	Visualizing the drug target landscape. *Drug Discovery Today*, **2010**, 15, 3-15	8.8	45
8	Drug target central. *Expert Opinion on Drug Discovery*, **2009**, 4, 857-72	6.2	13
7	Functional assignment of MAPK phosphatase domains. *Proteins: Structure, Function and Bioinformatics*, **2007**, 69, 19-31	4.2	10
6	The PRINTS protein fingerprint database: functional and evolutionary applications **2005**,		1
5	Motif3D: Relating protein sequence motifs to 3D structure. *Nucleic Acids Research*, **2003**, 31, 3333-6	20.1	10
4	Bioinformatics approaches for the classification of G-protein-coupled receptors. *Current Opinion in Pharmacology*, **2003**, 3, 114-20	5.1	35
3	The Molecular Basis of Predicting Druggability1315-1334		3
2	Validation of lipid-related therapeutic targets for coronary heart disease prevention using human genetics		1
1	Actionable druggable genome-wide Mendelian randomization identifies repurposing opportunities for COVID-19		1