

# Andreas Bender

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

281 papers	11,052 citations	55 h-index	96 g-index
318 ext. papers	12,960 ext. citations	5.7 avg, IF	6.46 L-index

#	Paper	IF	Citations
281	DDREL: From drug-drug relationships to drug repurposing. <i>Intelligent Data Analysis</i> , <b>2022</b> , 26, 221-237	1.1	1
280	Computational analyses of mechanism of action (MoA): data, methods and integration.. <i>RSC Chemical Biology</i> , <b>2022</b> , 3, 170-200	3	4
279	Applications of Artificial Intelligence in Drug Design: Opportunities and Challenges. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2390, 1-59	1.4	1
278	A systems genomics approach to uncover patient-specific pathogenic pathways and proteins in ulcerative colitis.. <i>Nature Communications</i> , <b>2022</b> , 13, 2299	17.4	0
277	Machine Learning Models for Human Pharmacokinetic Parameters with In-House Validation. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 4520-4530	5.6	4
276	Comparison of Chemical Structure and Cell Morphology Information for Multitask Bioactivity Predictions. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 1444-1456	6.1	8
275	Structure-based identification of dual ligands at the AR and PDE10A with anti-proliferative effects in lung cancer cell-lines. <i>Journal of Cheminformatics</i> , <b>2021</b> , 13, 17	8.6	1
274	Towards understanding antimicrobial activity, cytotoxicity and the mode of action of dichapetalins A and M using in silico and in vitro studies. <i>Toxicon</i> , <b>2021</b> , 193, 28-37	2.8	0
273	Artificial intelligence in drug discovery: what is realistic, what are illusions? Part 2: a discussion of chemical and biological data. <i>Drug Discovery Today</i> , <b>2021</b> , 26, 1040-1052	8.8	22
272	Comparison of structure- and ligand-based scoring functions for deep generative models: a GPCR case study. <i>Journal of Cheminformatics</i> , <b>2021</b> , 13, 39	8.6	9
271	Transcriptional drug repositioning and cheminformatics approach for differentiation therapy of leukaemia cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 12537	4.9	2
270	Neurochemical underpinning of hemodynamic response to neuropsychiatric drugs: A meta- and cluster analysis of preclinical studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2021</b> , 41, 874-885	7.3	2
269	New Associations between Drug-Induced Adverse Events in Animal Models and Humans Reveal Novel Candidate Safety Targets. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 438-451	4	3
268	Systematic Analysis of Protein Targets Associated with Adverse Events of Drugs from Clinical Trials and Postmarketing Reports. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 365-384	4	4
267	Predicting and understanding synergistic pairwise compound combinations of Shexian Baixin Pill (SBP) using network biology. <i>Synergy</i> , <b>2021</b> , 11, 100073	0.9	1
266	Drug Combination Modeling <b>2021</b> , 269-282		
265	Prediction and mechanistic analysis of drug-induced liver injury (DILI) based on chemical structure. <i>Biology Direct</i> , <b>2021</b> , 16, 6	7.2	5

264	Comparison of Cellular Morphological Descriptors and Molecular Fingerprints for the Prediction of Cytotoxicity- and Proliferation-Related Assays. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 422-437	4	5
263	Combination of Ginsenosides Rb2 and Rg3 Promotes Angiogenic Phenotype of Human Endothelial Cells via PI3K/Akt and MAPK/ERK Pathways. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 618773	5.6	4
262	Artificial intelligence in drug discovery: what is realistic, what are illusions? Part 1: Ways to make an impact, and why we are not there yet. <i>Drug Discovery Today</i> , <b>2021</b> , 26, 511-524	8.8	39
261	Computational drug repositioning for ischemic stroke: neuroprotective drug discovery. <i>Future Medicinal Chemistry</i> , <b>2021</b> , 13, 1271-1283	4.1	1
260	Probabilistic Random Forest improves bioactivity predictions close to the classification threshold by taking into account experimental uncertainty. <i>Journal of Cheminformatics</i> , <b>2021</b> , 13, 62	8.6	0
259	Prediction and identification of synergistic compound combinations against pancreatic cancer cells. <i>IScience</i> , <b>2021</b> , 24, 103080	6.1	1
258	In silico approaches in organ toxicity hazard assessment: Current status and future needs for predicting heart, kidney and lung toxicities. <i>Computational Toxicology</i> , <b>2021</b> , 20, 100188	3.1	2
257	approaches in organ toxicity hazard assessment: current status and future needs in predicting liver toxicity.. <i>Computational Toxicology</i> , <b>2021</b> , 20, 100187-100187	3.1	3
256	Establishing GPCR Targets of hMAO Active Anthraquinones from Linn Seeds Using and Methods. <i>ACS Omega</i> , <b>2020</b> , 5, 7705-7715	3.9	3
255	QSAR-derived affinity fingerprints (part 1): fingerprint construction and modeling performance for similarity searching, bioactivity classification and scaffold hopping. <i>Journal of Cheminformatics</i> , <b>2020</b> , 12, 39	8.6	13
254	QSAR-derived affinity fingerprints (part 2): modeling performance for potency prediction. <i>Journal of Cheminformatics</i> , <b>2020</b> , 12, 41	8.6	7
253	Structural Chemogenomics <b>2020</b> , 53-77		1
252	Identification of Intrinsic Drug Resistance and Its Biomarkers in High-Throughput Pharmacogenomic and CRISPR Screens. <i>Patterns</i> , <b>2020</b> , 1, 100065	5.1	3
251	Comparison of Scaling Methods to Obtain Calibrated Probabilities of Activity for Protein-Ligand Predictions. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 4546-4559	6.1	4
250	Transcriptomics predicts compound synergy in drug and natural product treated glioblastoma cells. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239551	3.7	6
249	Understanding Conditional Associations between ToxCast Readouts and the Hepatotoxicity of Compounds Using Rule-Based Methods. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 137-153	4	2
248	EMDIP: An Entropy Measure to Discover Important Proteins in PPI networks. <i>Computers in Biology and Medicine</i> , <b>2020</b> , 120, 103740	7	3
247	Sulfated Ceria Catalyzed Synthesis of Imidazopyridines and Their Implementation as DNA Minor Groove Binders. <i>Chemistry and Biodiversity</i> , <b>2019</b> , 16, e1800435	2.5	2

246	KekuleScope: prediction of cancer cell line sensitivity and compound potency using convolutional neural networks trained on compound images. <i>Journal of Cheminformatics</i> , <b>2019</b> , 11, 41	8.6	29
245	Reliable Prediction Errors for Deep Neural Networks Using Test-Time Dropout. <i>Journal of Chemical Information and Modeling</i> , <b>2019</b> , 59, 3330-3339	6.1	18
244	Leveraging heterogeneous data from GHS toxicity annotations, molecular and protein target descriptors and Tox21 assay readouts to predict and rationalise acute toxicity. <i>Journal of Cheminformatics</i> , <b>2019</b> , 11, 36	8.6	3
243	Traditional Chinese Medicine Herbal Drugs: From Heritage to Future Developments. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2019</b> , 59-77	0.5	1
242	Synthesis of CC, CN coupled novel substituted dibutyl benzothiazepinone derivatives and evaluation of their thrombin inhibitory activity. <i>Bioorganic Chemistry</i> , <b>2019</b> , 87, 142-154	5.1	2
241	Characterizing ABC-Transporter Substrate-Likeness Using a Clean-Slate Genetic Background. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 448	5.6	1
240	Triazole-Pyridine Dicarbonitrile Targets Phosphodiesterase 4 to Induce Cytotoxicity in Lung Carcinoma Cells. <i>Chemistry and Biodiversity</i> , <b>2019</b> , 16, e1900234	2.5	6
239	Applying synergy metrics to combination screening data: agreements, disagreements and pitfalls. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 2286-2298	8.8	38
238	Elucidating Compound Mechanism of Action and Predicting Cytotoxicity Using Machine Learning Approaches, Taking Prediction Confidence into Account. <i>Current Protocols in Chemical Biology</i> , <b>2019</b> , 11, e73	1.8	1
237	Prediction of UGT-mediated Metabolism Using the Manually Curated MetaQSAR Database. <i>ACS Medicinal Chemistry Letters</i> , <b>2019</b> , 10, 633-638	4.3	5
236	Bioinformatic Approaches in the Understanding of Mechanism of Action (MoA). <i>Methods and Principles in Medicinal Chemistry</i> , <b>2019</b> , 323-363	0.4	2
235	Understanding and predicting disease relationships through similarity fusion. <i>Bioinformatics</i> , <b>2019</b> , 35, 1213-1220	7.2	5
234	Deep Confidence: A Computationally Efficient Framework for Calculating Reliable Prediction Errors for Deep Neural Networks. <i>Journal of Chemical Information and Modeling</i> , <b>2019</b> , 59, 1269-1281	6.1	40
233	eMolTox: prediction of molecular toxicity with confidence. <i>Bioinformatics</i> , <b>2018</b> , 34, 2508-2509	7.2	24
232	Common structural and pharmacophoric features of mPGES-1 and LTC4S. <i>Future Medicinal Chemistry</i> , <b>2018</b> , 10, 259-268	4.1	1
231	DeepSynergy: predicting anti-cancer drug synergy with Deep Learning. <i>Bioinformatics</i> , <b>2018</b> , 34, 1538-1546	7.6	151
230	Maximizing gain in high-throughput screening using conformal prediction. <i>Journal of Cheminformatics</i> , <b>2018</b> , 10, 7	8.6	12
229	Conformal Regression for Quantitative Structure-Activity Relationship Modeling-Quantifying Prediction Uncertainty. <i>Journal of Chemical Information and Modeling</i> , <b>2018</b> , 58, 1132-1140	6.1	27

228	Orthologue chemical space and its influence on target prediction. <i>Bioinformatics</i> , <b>2018</b> , 34, 72-79	7.2	18
227	Data-driven approaches used for compound library design, hit triage and bioactivity modeling in high-throughput screening. <i>Briefings in Bioinformatics</i> , <b>2018</b> , 19, 277-285	13.4	15
226	Extending Protein Target Prediction Models to Include Functional Effects. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 613	5.6	3
225	Synthesis of Structurally Diverse N-Substituted Quaternary-Carbon-Containing Small Molecules from $\beta$ -Disubstituted Propargyl Amino Esters. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 13681-13687	4.8	21
224	A systematic and prospectively validated approach for identifying synergistic drug combinations against malaria. <i>Malaria Journal</i> , <b>2018</b> , 17, 160	3.6	11
223	Structure-based design of allosteric calpain-1 inhibitors populating a novel bioactivity space. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 157, 1264-1275	6.8	6
222	Prospectively Validated Proteochemometric Models for the Prediction of Small-Molecule Binding to Bromodomain Proteins. <i>Journal of Chemical Information and Modeling</i> , <b>2018</b> , 58, 1870-1888	6.1	9
221	Discovery of a non-toxic [1,2,4]triazolo[1,5-a]pyrimidin-7-one (WS-10) that modulates ABCB1-mediated multidrug resistance (MDR). <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 5006-5017	3.4	10
220	Discovering Highly Potent Molecules from an Initial Set of Inactives Using Iterative Screening. <i>Journal of Chemical Information and Modeling</i> , <b>2018</b> , 58, 2000-2014	6.1	21
219	A Fast and Quantitative Method for Post-translational Modification and Variant Enabled Mapping of Peptides to Genomes. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2
218	Developments in toxicogenomics: understanding and predicting compound-induced toxicity from gene expression data. <i>Molecular Omics</i> , <b>2018</b> , 14, 218-236	4.4	60
217	Identification of Novel Aurora Kinase A (AURKA) Inhibitors via Hierarchical Ligand-Based Virtual Screening. <i>Journal of Chemical Information and Modeling</i> , <b>2018</b> , 58, 36-47	6.1	15
216	Fragment-Based Drug Discovery of Phosphodiesterase Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 1415-1424	8.3	14
215	Systemic neurotransmitter responses to clinically approved and experimental neuropsychiatric drugs. <i>Nature Communications</i> , <b>2018</b> , 9, 4699	17.4	7
214	Discovery of a small-molecule inhibitor of specific serine residue BAD phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E10505-E10514	11.5	34
213	Using Machine Learning to Predict Synergistic Antimalarial Compound Combinations With Novel Structures. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 1096	5.6	18
212	Information-Derived Mechanistic Hypotheses for Structural Cardiotoxicity. <i>Chemical Research in Toxicology</i> , <b>2018</b> , 31, 1119-1127	4	3
211	Can the inhibition of cytochrome P450 in aquatic invertebrates due to azole fungicides be estimated with in silico and in vitro models and extrapolated between species?. <i>Aquatic Toxicology</i> , <b>2018</b> , 201, 11-20	5.1	9

210	Improving Screening Efficiency through Iterative Screening Using Docking and Conformal Prediction. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 439-444	6.1	30
209	Neighbours of cancer-related proteins have key influence on pathogenesis and could increase the drug target space for anticancer therapies. <i>Npj Systems Biology and Applications</i> , <b>2017</b> , 3, 2	5	16
208	Toward Understanding the Cold, Hot, and Neutral Nature of Chinese Medicines Using in Silico Mode-of-Action Analysis. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 468-483	6.1	30
207	Fragment Profiling Approach to Inhibitors of the Orphan M. tuberculosis P450 CYP144A1. <i>Biochemistry</i> , <b>2017</b> , 56, 1559-1572	3.2	5
206	Concordance analysis of microarray studies identifies representative gene expression changes in Parkinson's disease: a comparison of 33 human and animal studies. <i>BMC Neurology</i> , <b>2017</b> , 17, 58	3.1	15
205	Polypharmacological in Silico Bioactivity Profiling and Experimental Validation Uncovers Sedative-Hypnotic Effects of Approved and Experimental Drugs in Rat. <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 1593-1602	4.9	7
204	Diversity selection, screening and quantitative structure-activity relationships of osmolyte-like additive effects on the thermal stability of a monoclonal antibody. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 97, 151-157	5.1	8
203	Towards the mode of action of <i>Strobilanthes crispus</i> through integrated computational and experimental analyses. <i>Journal of Plant Biochemistry and Biotechnology</i> , <b>2017</b> , 26, 451-466	1.6	1
202	Prediction of synergistic drug combinations. <i>Current Opinion in Systems Biology</i> , <b>2017</b> , 4, 24-28	3.2	18
201	Prediction of Antibiotic Interactions Using Descriptors Derived from Molecular Structure. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 3902-3912	8.3	24
200	3D proteochemometrics: using three-dimensional information of proteins and ligands to address aspects of the selectivity of serine proteases. <i>MedChemComm</i> , <b>2017</b> , 8, 1037-1045	5	5
199	Innovation in Small-Molecule-Druggable Chemical Space: Where are the Initial Modulators of New Targets Published?. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 2741-2753	6.1	5
198	Computer-aided design of multi-target ligands at AR, AR and PDE10A, key proteins in neurodegenerative diseases. <i>Journal of Cheminformatics</i> , <b>2017</b> , 9, 67	8.6	10
197	Fast, Quantitative and Variant Enabled Mapping of Peptides to Genomes. <i>Cell Systems</i> , <b>2017</b> , 5, 152-156.e4	6.6	6
196	Towards understanding polyol additive effects on the pH shift-induced aggregation of a monoclonal antibody using high throughput screening and quantitative structure-activity modeling. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 530, 165-172	6.5	2
195	Identification of Novel Class of Triazolo-Thiadiazoles as Potent Inhibitors of Human Heparanase and their Anticancer Activity. <i>BMC Cancer</i> , <b>2017</b> , 17, 235	4.8	38
194	In silico target prediction for elucidating the mode of action of herbicides including prospective validation. <i>Journal of Molecular Graphics and Modelling</i> , <b>2017</b> , 71, 70-79	2.8	4
193	Modelling compound cytotoxicity using conformal prediction and PubChem HTS data. <i>Toxicology Research</i> , <b>2017</b> , 6, 73-80	2.6	40



192	Understanding the mode-of-action of <i>Cassia auriculata</i> via in silico and in vivo studies towards validating it as a long term therapy for type II diabetes. <i>Journal of Ethnopharmacology</i> , <b>2017</b> , 197, 61-72	5	15
191	Improved large-scale prediction of growth inhibition patterns using the NCI60 cancer cell line panel. <i>Bioinformatics</i> , <b>2016</b> , 32, 85-95	7.2	60
190	Understanding Cytotoxicity and Cytostaticity in a High-Throughput Screening Collection. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 3007-3023	4.9	22
189	Using a Human Drug Network for generating novel hypotheses about drugs. <i>Intelligent Data Analysis</i> , <b>2016</b> , 20, 183-197	1.1	4
188	Synthesis and in vitro evaluation of hydrazinyl phthalazines against malaria parasite, <i>Plasmodium falciparum</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 3300-3306	2.9	25
187	11th German Conference on Chemoinformatics (GCC 2015) : Fulda, Germany. 8-10 November 2015. <i>Journal of Cheminformatics</i> , <b>2016</b> , 8, 18	8.6	
186	Adamantyl-tethered-biphenylic compounds induce apoptosis in cancer cells by targeting Bcl homologs. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 1056-1060	2.9	29
185	Analysis of Iterative Screening with Stepwise Compound Selection Based on Novartis In-house HTS Data. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 1255-64	4.9	33
184	Nano-MoO <sub>3</sub> -mediated synthesis of bioactive thiazolidin-4-ones acting as anti-bacterial agents and their mode-of-action analysis using in silico target prediction, docking and similarity searching. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 2189-2199	3.6	3
183	ARWAR: A network approach for predicting Adverse Drug Reactions. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 68, 101-8	7	11
182	Trisubstituted-Imidazoles Induce Apoptosis in Human Breast Cancer Cells by Targeting the Oncogenic PI3K/Akt/mTOR Signaling Pathway. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153155	3.7	84
181	Modeling Polypharmacological Profiles by Affinity Fingerprinting. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 6885-6894	3.3	2
180	Current Trends in Drug Sensitivity Prediction. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 6918-6927	3.3	9
179	Improving the prediction of organism-level toxicity through integration of chemical, protein target and cytotoxicity qHTS data. <i>Toxicology Research</i> , <b>2016</b> , 5, 883-894	2.6	7
178	Global Mapping of Traditional Chinese Medicine into Bioactivity Space and Pathways Annotation Improves Mechanistic Understanding and Discovers Relationships between Therapeutic Action (Sub)classes. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2016</b> , 2016, 2106465	2.3	6
177	Novel Adamantanyl-Based Thiadiazolyl Pyrazoles Targeting EGFR in Triple-Negative Breast Cancer. <i>ACS Omega</i> , <b>2016</b> , 1, 1412-1424	3.9	34
176	A novel applicability domain technique for mapping predictive reliability across the chemical space of a QSAR: reliability-density neighbourhood. <i>Journal of Cheminformatics</i> , <b>2016</b> , 8,	8.6	21
175	Nano-cuprous oxide catalyzed one-pot synthesis of a carbazole-based STAT3 inhibitor: a facile approach via intramolecular C-N bond formation reactions. <i>RSC Advances</i> , <b>2016</b> , 6, 36775-36785	3.7	15

174	Modelling of compound combination effects and applications to efficacy and toxicity: state-of-the-art, challenges and perspectives. <i>Drug Discovery Today</i> , <b>2016</b> , 21, 225-38	8.8	108
173	Simultaneous Prediction of four ATP-binding Cassette Transporters' Substrates Using Multi-label QSAR. <i>Molecular Informatics</i> , <b>2016</b> , 35, 514-528	3.8	6
172	Analysis of Differential Efficacy and Affinity of GABA (A/2) Selective Modulators. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 4001-4012	5.6	2
171	Data-Driven Derivation of an "Informer Compound Set" for Improved Selection of Active Compounds in High-Throughput Screening. <i>Journal of Chemical Information and Modeling</i> , <b>2016</b> , 56, 1622-1630	6.1	13
170	How Consistent are Publicly Reported Cytotoxicity Data? Large-Scale Statistical Analysis of the Concordance of Public Independent Cytotoxicity Measurements. <i>ChemMedChem</i> , <b>2016</b> , 11, 57-71	3.7	19
169	Prediction of the potency of mammalian cyclooxygenase inhibitors with ensemble proteochemometric modeling. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, 1	8.6	70
168	Identification of the first surrogate agonists for the G protein-coupled receptor GPR132. <i>RSC Advances</i> , <b>2015</b> , 5, 48551-48557	3.7	7
167	Design, synthesis and evaluation of semi-synthetic triazole-containing caffeic acid analogues as 5-lipoxygenase inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 101, 573-83	6.8	21
166	Synthesis of 1,2-benzisoxazole tethered 1,2,3-triazoles that exhibit anticancer activity in acute myeloid leukemia cell lines by inhibiting histone deacetylases, and inducing p21 and tubulin acetylation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 6157-65	3.4	74
165	Screening of quinoline, 1,3-benzoxazine, and 1,3-oxazine-based small molecules against isolated methionyl-tRNA synthetase and A549 and HCT116 cancer cells including an in silico binding mode analysis. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 9381-7	3.9	36
164	Proteochemometric modelling coupled to in silico target prediction: an integrated approach for the simultaneous prediction of polypharmacology and binding affinity/potency of small molecules. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, 15	8.6	26
163	Cheminformatics Research at the Unilever Centre for Molecular Science Informatics Cambridge. <i>Molecular Informatics</i> , <b>2015</b> , 34, 626-633	3.8	
162	Prediction of PARP Inhibition with Proteochemometric Modelling and Conformal Prediction. <i>Molecular Informatics</i> , <b>2015</b> , 34, 357-66	3.8	20
161	Chemically Aware Model Builder (camb): an R package for property and bioactivity modelling of small molecules. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, 45	8.6	31
160	Target prediction utilising negative bioactivity data covering large chemical space. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, 51	8.6	76
159	MOLPRINT 2D-based identification and synthesis of novel chromene based small molecules that target PLA2: validation through chemo- and bioinformatics approaches. <i>RSC Advances</i> , <b>2015</b> , 5, 89797-89808	3.7	4
158	Synthesis, characterization and in vitro evaluation of novel enantiomerically-pure sulphonamide antimalarials. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 10681-90	3.9	6
157	Connecting gene expression data from connectivity map and in silico target predictions for small molecule mechanism-of-action analysis. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 86-96		22



156	Polypharmacology modelling using proteochemometrics (PCM): recent methodological developments, applications to target families, and future prospects. <i>MedChemComm</i> , <b>2015</b> , 6, 24-50	5	74
155	A multi-label approach to target prediction taking ligand promiscuity into account. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, 24	8.6	23
154	Development of Novel Triazolo-Thiadiazoles from Heterogeneous "Green" Catalysis as Protein Tyrosine Phosphatase 1B Inhibitors. <i>Scientific Reports</i> , <b>2015</b> , 5, 14195	4.9	32
153	Improved Chemical Structure-Activity Modeling Through Data Augmentation. <i>Journal of Chemical Information and Modeling</i> , <b>2015</b> , 55, 2682-92	6.1	23
152	Applications of proteochemometrics - from species extrapolation to cell line sensitivity modelling. <i>BMC Bioinformatics</i> , <b>2015</b> , 16,	3.6	3
151	Using a Human Disease Network for augmenting prior knowledge about diseases. <i>Intelligent Data Analysis</i> , <b>2015</b> , 19, 897-916	1.1	2
150	A One Pot Synthesis of Novel Bioactive Tri-Substitute-Condensed-Imidazopyridines that Targets Snake Venom Phospholipase A2. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131896	3.7	24
149	A Nano-MgO and Ionic Liquid-Catalyzed 'Green' Synthesis Protocol for the Development of Adamantyl-Imidazolo-Thiadiazoles as Anti-Tuberculosis Agents Targeting Sterol 14 $\beta$ -Demethylase (CYP51). <i>PLoS ONE</i> , <b>2015</b> , 10, e0139798	3.7	17
148	Comparing the Influence of Simulated Experimental Errors on 12 Machine Learning Algorithms in Bioactivity Modeling Using 12 Diverse Data Sets. <i>Journal of Chemical Information and Modeling</i> , <b>2015</b> , 55, 1413-25	6.1	21
147	Synthesis and characterization of novel oxazines and demonstration that they specifically target cyclooxygenase 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 2931-6	2.9	32
146	Synergy Maps: exploring compound combinations using network-based visualization. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, 36	8.6	27
145	Metrabase: a cheminformatics and bioinformatics database for small molecule transporter data analysis and (Q)SAR modeling. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, 31	8.6	27
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