

Wei Zheng

List of Publications by Citations

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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.

280
papers

10,553
citations

52
h-index

92
g-index

295
ext. papers

13,352
ext. citations

7
avg. IF

6.49
L-index

#	Paper	IF	Citations
280	Quantitative high-throughput screening: a titration-based approach that efficiently identifies biological activities in large chemical libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11473-8	11.5	632
279	High-throughput screening assays for the identification of chemical probes. <i>Nature Chemical Biology</i> , 2007 , 3, 466-79	11.7	478
278	Identification of small-molecule inhibitors of Zika virus infection and induced neural cell death via a drug repurposing screen. <i>Nature Medicine</i> , 2016 , 22, 1101-1107	50.5	458
277	Application of real-time cell electronic sensing (RT-CES) technology to cell-based assays. <i>Assay and Drug Development Technologies</i> , 2004 , 2, 363-72	2.1	316
276	Phenotypic screens as a renewed approach for drug discovery. <i>Drug Discovery Today</i> , 2013 , 18, 1067-73	8.8	282
275	VEGFR-3 controls tip to stalk conversion at vessel fusion sites by reinforcing Notch signalling. <i>Nature Cell Biology</i> , 2011 , 13, 1202-13	23.4	237
274	Lymphangiogenic factors, mechanisms, and applications. <i>Journal of Clinical Investigation</i> , 2014 , 124, 878-879	13.9	211
273	Inhibition of the Mitochondrial Protease ClpP as a Therapeutic Strategy for Human Acute Myeloid Leukemia. <i>Cancer Cell</i> , 2015 , 27, 864-76	24.3	191
272	Identification of 53 compounds that block Ebola virus-like particle entry via a repurposing screen of approved drugs. <i>Emerging Microbes and Infections</i> , 2014 , 3, e84	18.9	167
271	Protein Structure and Sequence Reanalysis of 2019-nCoV Genome Refutes Snakes as Its Intermediate Host and the Unique Similarity between Its Spike Protein Insertions and HIV-1. <i>Journal of Proteome Research</i> , 2020 , 19, 1351-1360	5.6	166
270	Drug combination therapy increases successful drug repositioning. <i>Drug Discovery Today</i> , 2016 , 21, 1189-95	9.5	159
269	Human Pluripotent Stem Cell-Derived Neural Cells and Brain Organoids Reveal SARS-CoV-2 Neurotropism Predominates in Choroid Plexus Epithelium. <i>Cell Stem Cell</i> , 2020 , 27, 937-950.e9	18	151
268	A New Glucocerebrosidase Chaperone Reduces β Synuclein and Glycolipid Levels in iPSC-Derived Dopaminergic Neurons from Patients with Gaucher Disease and Parkinsonism. <i>Journal of Neuroscience</i> , 2016 , 36, 7441-52	6.6	150
267	Increased expression of the cardiac L-type calcium channel in estrogen receptor-deficient mice. <i>Journal of General Physiology</i> , 1997 , 110, 135-40	3.4	150
266	Three classes of glucocerebrosidase inhibitors identified by quantitative high-throughput screening are chaperone leads for Gaucher disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13192-7	11.5	130
265	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. <i>Nucleic Acids Research</i> , 2016 , 44, 8610-8620	20.1	119
264	VEGF-C is required for intestinal lymphatic vessel maintenance and lipid absorption. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1418-25	12	116

263	Drug repurposing screens and synergistic drug-combinations for infectious diseases. <i>British Journal of Pharmacology</i> , 2018 , 175, 181-191	8.6	111
262	A robotic platform for quantitative high-throughput screening. <i>Assay and Drug Development Technologies</i> , 2008 , 6, 637-57	2.1	111
261	Identification and characterization of small molecule functional antagonists of the CCR1 chemokine receptor. <i>Journal of Biological Chemistry</i> , 1998 , 273, 15687-92	5.4	111
260	High throughput assay technologies for ion channel drug discovery. <i>Assay and Drug Development Technologies</i> , 2004 , 2, 543-52	2.1	110
259	Deep-learning contact-map guided protein structure prediction in CASP13. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019 , 87, 1149-1164	4.2	108
258	Elabela-apelin receptor signaling pathway is functional in mammalian systems. <i>Scientific Reports</i> , 2015 , 5, 8170	4.9	108
257	Effective suppression of vascular network formation by combination of antibodies blocking VEGFR ligand binding and receptor dimerization. <i>Cancer Cell</i> , 2010 , 18, 630-40	24.3	108
256	Notch restricts lymphatic vessel sprouting induced by vascular endothelial growth factor. <i>Blood</i> , 2011 , 118, 1154-62	2.2	97
255	Collaborative development of 2-hydroxypropyl-β-cyclodextrin for the treatment of Niemann-Pick type C1 disease. <i>Current Topics in Medicinal Chemistry</i> , 2014 , 14, 330-9	3	94
254	Discovery, structure-activity relationship, and biological evaluation of noninhibitory small molecule chaperones of glucocerebrosidase. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 5734-48	8.3	93
253	β-Tocopherol reduces lipid accumulation in Niemann-Pick type C1 and Wolman cholesterol storage disorders. <i>Journal of Biological Chemistry</i> , 2012 , 287, 39349-60	5.4	93
252	Heparan sulfate assists SARS-CoV-2 in cell entry and can be targeted by approved drugs in vitro. <i>Cell Discovery</i> , 2020 , 6, 80	22.3	86
251	Small-molecule agonists for the thyrotropin receptor stimulate thyroid function in human thyrocytes and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12471-6	11.5	85
250	A cost-effective and efficient reprogramming platform for large-scale production of integration-free human induced pluripotent stem cells in chemically defined culture. <i>Scientific Reports</i> , 2015 , 5, 11319	4.9	82
249	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. <i>Cell Discovery</i> , 2018 , 4, 31	22.3	81
248	Identification of benzodiazepine Ro5-3335 as an inhibitor of CBF leukemia through quantitative high throughput screen against RUNX1-CBF β interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14592-7	11.5	81
247	Cardiac glycosides inhibit p53 synthesis by a mechanism relieved by Src or MAPK inhibition. <i>Cancer Research</i> , 2009 , 69, 6556-64	10.1	80
246	LOMETS2: improved meta-threading server for fold-recognition and structure-based function annotation for distant-homology proteins. <i>Nucleic Acids Research</i> , 2019 , 47, W429-W436	20.1	76

245	Identification of SARS-CoV-2 3CL Protease Inhibitors by a Quantitative High-Throughput Screening. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 1008-1016	5.9	76
244	Scintillation proximity assay of inositol phosphates in cell extracts: high-throughput measurement of G-protein-coupled receptor activation. <i>Analytical Biochemistry</i> , 2003 , 313, 311-8	3.1	75
243	Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. <i>Genes and Development</i> , 2014 , 28, 1592-603	12.6	74
242	Impact of mRNA chemistry and manufacturing process on innate immune activation. <i>Science Advances</i> , 2020 , 6, eaaz6893	14.3	73
241	Macrophage models of Gaucher disease for evaluating disease pathogenesis and candidate drugs. <i>Science Translational Medicine</i> , 2014 , 6, 240ra73	17.5	72
240	CircRNA-SORE mediates sorafenib resistance in hepatocellular carcinoma by stabilizing YBX1. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 298	2.1	72
239	Induction and reversal of myotonic dystrophy type 1 pre-mRNA splicing defects by small molecules. <i>Nature Communications</i> , 2013 , 4, 2044	17.4	68
238	Compound Management for Quantitative High-Throughput Screening. <i>Journal of the Association for Laboratory Automation</i> , 2008 , 13, 79-89		68
237	Chemical signatures and new drug targets for gametocytocidal drug development. <i>Scientific Reports</i> , 2014 , 4, 3743	4.9	67
236	BindProfX: Assessing Mutation-Induced Binding Affinity Change by Protein Interface Profiles with Pseudo-Counts. <i>Journal of Molecular Biology</i> , 2017 , 429, 426-434	6.5	65
235	RNA-Dependent RNA Polymerase as a Target for COVID-19 Drug Discovery. <i>SLAS Discovery</i> , 2020 , 25, 1141-1151	3.4	64
234	High-Throughput Screening to Identify Compounds That Increase Fragile X Mental Retardation Protein Expression in Neural Stem Cells Differentiated From Fragile X Syndrome Patient-Derived Induced Pluripotent Stem Cells. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 800-8	6.9	62
233	Niemann-Pick Disease Type C: Induced Pluripotent Stem Cell-Derived Neuronal Cells for Modeling Neural Disease and Evaluating Drug Efficacy. <i>Journal of Biomolecular Screening</i> , 2014 , 19, 1164-73		62
232	DeepMSA: constructing deep multiple sequence alignment to improve contact prediction and fold-recognition for distant-homology proteins. <i>Bioinformatics</i> , 2020 , 36, 2105-2112	7.2	60
231	Synergistic drug combination effectively blocks Ebola virus infection. <i>Antiviral Research</i> , 2017 , 137, 165-172	17.28	58
230	Evaluation of quinazoline analogues as glucocerebrosidase inhibitors with chaperone activity. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 1033-58	8.3	54
229	Methyl- β -cyclodextrin restores impaired autophagy flux in Niemann-Pick C1-deficient cells through activation of AMPK. <i>Autophagy</i> , 2017 , 13, 1435-1451	10.2	52
228	A new homogeneous high-throughput screening assay for profiling compound activity on the human ether-a-go-go-related gene channel. <i>Analytical Biochemistry</i> , 2009 , 394, 30-8	3.1	52

227	High throughput screening for small molecule therapy for Gaucher disease using patient tissue as the source of mutant glucocerebrosidase. <i>PLoS ONE</i> , 2012 , 7, e29861	3.7	51
226	Drug Discovery Strategies for SARS-CoV-2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020 , 375, 127-138	4.7	51
225	High-content screening identifies small molecules that remove nuclear foci, affect MBNL distribution and CELF1 protein levels via a PKC-independent pathway in myotonic dystrophy cell lines. <i>Human Molecular Genetics</i> , 2014 , 23, 1551-62	5.6	48
224	Effects of SARS-CoV-2 mutations on protein structures and intraviral protein-protein interactions. <i>Journal of Medical Virology</i> , 2021 , 93, 2132-2140	19.7	48
223	Identification and optimization of small-molecule agonists of the human relaxin hormone receptor RXFP1. <i>Nature Communications</i> , 2013 , 4, 1953	17.4	47
222	Quantitative high-throughput screening using a live-cell cAMP assay identifies small-molecule agonists of the TSH receptor. <i>Journal of Biomolecular Screening</i> , 2008 , 13, 120-7		47
221	Rapid antimicrobial susceptibility test for identification of new therapeutics and drug combinations against multidrug-resistant bacteria. <i>Emerging Microbes and Infections</i> , 2016 , 5, e116	18.9	45
220	Induced pluripotent stem cells for neural drug discovery. <i>Drug Discovery Today</i> , 2019 , 24, 992-999	8.8	43
219	Small molecule inhibition of group I p21-activated kinases in breast cancer induces apoptosis and potentiates the activity of microtubule stabilizing agents. <i>Breast Cancer Research</i> , 2015 , 17, 59	8.3	42
218	A phenotypic compound screening assay for lysosomal storage diseases. <i>Journal of Biomolecular Screening</i> , 2014 , 19, 168-75		42
217	An AlphaScreen-based high-throughput screen to identify inhibitors of Hsp90-cochaperone interaction. <i>Journal of Biomolecular Screening</i> , 2009 , 14, 273-81		42
216	A cell-based ultra-high-throughput screening assay for identifying inhibitors of D-amino acid oxidase. <i>Journal of Biomolecular Screening</i> , 2006 , 11, 481-7		42
215	Identifying SARS-CoV-2 Entry Inhibitors through Drug Repurposing Screens of SARS-S and MERS-S Pseudotyped Particles. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 1165-1175	5.9	42
214	DUOXA1-mediated ROS production promotes cisplatin resistance by activating ATR-Chk1 pathway in ovarian cancer. <i>Cancer Letters</i> , 2018 , 428, 104-116	9.9	41
213	Lomofungin and dilomofungin: inhibitors of MBNL1-CUG RNA binding with distinct cellular effects. <i>Nucleic Acids Research</i> , 2014 , 42, 6591-602	20.1	41
212	Drug discovery and development for rare genetic disorders. <i>American Journal of Medical Genetics, Part A</i> , 2017 , 173, 2307-2322	2.5	41
211	Structural basis for inactivation of Giardia lamblia carbamate kinase by disulfiram. <i>Journal of Biological Chemistry</i> , 2014 , 289, 10502-10509	5.4	41
210	Two high-throughput screening assays for aberrant RNA-protein interactions in myotonic dystrophy type 1. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1889-98	4.4	40

209	A quantitative high throughput assay for identifying gametocytocidal compounds. <i>Molecular and Biochemical Parasitology</i> , 2013 , 188, 20-5	1.9	40
208	Carbon Dots for Efficient Small Interfering RNA Delivery and Gene Silencing in Plants. <i>Plant Physiology</i> , 2020 , 184, 647-657	6.6	40
207	Folding non-homologous proteins by coupling deep-learning contact maps with I-TASSER assembly simulations. <i>Cell Reports Methods</i> , 2021 , 1,		40
206	The SARS-CoV-2 Cytopathic Effect Is Blocked by Lysosome Alkalinizing Small Molecules. <i>ACS Infectious Diseases</i> , 2021 , 7, 1389-1408	5.5	39
205	Drug Repurposing Screen for Compounds Inhibiting the Cytopathic Effect of SARS-CoV-2. <i>Frontiers in Pharmacology</i> , 2020 , 11, 592737	5.6	39
204	Discovery, synthesis, and biological evaluation of novel SMN protein modulators. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 6215-33	8.3	37
203	I-TASSER gateway: A protein structure and function prediction server powered by XSEDE. <i>Future Generation Computer Systems</i> , 2019 , 99, 73-85	7.5	35
202	High-throughput <i>Giardia lamblia</i> viability assay using bioluminescent ATP content measurements. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 667-75	5.9	35
201	Application of division arrest technology to cell-based HTS: comparison with frozen and fresh cells. <i>Assay and Drug Development Technologies</i> , 2005 , 3, 17-26	2.1	34
200	Metarrestin, a perinucleolar compartment inhibitor, effectively suppresses metastasis. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	34
199	Role of synectin in lymphatic development in zebrafish and frogs. <i>Blood</i> , 2010 , 116, 3356-66	2.2	33
198	MetaGO: Predicting Gene Ontology of Non-homologous Proteins Through Low-Resolution Protein Structure Prediction and Protein-Protein Network Mapping. <i>Journal of Molecular Biology</i> , 2018 , 430, 2256-2265	6.5	32
197	Fabry disease - current treatment and new drug development. <i>Current Chemical Genomics</i> , 2010 , 4, 50-6		32
196	Optimization and validation of two miniaturized glucocerebrosidase enzyme assays for high throughput screening. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008 , 11, 817-24	1.3	31
195	Novel cell-based hepatitis C virus infection assay for quantitative high-throughput screening of anti-hepatitis C virus compounds. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 995-1004	5.9	30
194	Treatment Paradigms for Retinal and Macular Diseases Using 3-D Retina Cultures Derived From Human Reporter Pluripotent Stem Cell Lines 2016 , 57, ORSFL1-ORSFL11		30
193	Systemic Medication Associations with Presumed Advanced or Uncontrolled Primary Open-Angle Glaucoma. <i>Ophthalmology</i> , 2018 , 125, 984-993	7.3	29
192	Identification of quaternary ammonium compounds as potent inhibitors of hERG potassium channels. <i>Toxicology and Applied Pharmacology</i> , 2011 , 252, 250-8	4.6	29

191	Deletion of the endothelial Bmx tyrosine kinase decreases tumor angiogenesis and growth. <i>Cancer Research</i> , 2012 , 72, 3512-21	10.1	29
190	Quantitative high-throughput screening identifies inhibitors of anthrax-induced cell death. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5139-45	3.4	28
189	Comparison on functional assays for Gq-coupled GPCRs by measuring inositol monophosphate-1 and intracellular calcium in 1536-well plate format. <i>Current Chemical Genomics</i> , 2008 , 1, 70-8		28
188	A Comparative Study of Class Rebalancing Methods for Security Bug Report Classification. <i>IEEE Transactions on Reliability</i> , 2021 , 70, 1658-1670	4.6	28
187	Improving therapy of severe infections through drug repurposing of synergistic combinations. <i>Current Opinion in Pharmacology</i> , 2019 , 48, 92-98	5.1	27
186	Astrocytes as targets for drug discovery. <i>Drug Discovery Today</i> , 2018 , 23, 673-680	8.8	27
185	Multi-objective optimisation for regression testing. <i>Information Sciences</i> , 2016 , 334-335, 1-16	7.7	27
184	Identification of a selective small-molecule inhibitor series targeting the eyes absent 2 (Eya2) phosphatase activity. <i>Journal of Biomolecular Screening</i> , 2013 , 18, 85-96		27
183	N4-phenyl modifications of N2-(2-hydroxyl)ethyl-6-(pyrrolidin-1-yl)-1,3,5-triazine-2,4-diamines enhance glucocerebrosidase inhibition by small molecules with potential as chemical chaperones for Gaucher disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 5783-9	2.9	26
182	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018 , 4, 1727-1741	16.8	26
181	Detecting distant-homology protein structures by aligning deep neural-network based contact maps. <i>PLoS Computational Biology</i> , 2019 , 15, e1007411	5	25
180	A 1536-well cAMP assay for Gs- and Gi-coupled receptors using enzyme fragmentation complementation. <i>Assay and Drug Development Technologies</i> , 2004 , 2, 39-49	2.1	25
179	Improving high-impact bug report prediction with combination of interactive machine learning and active learning. <i>Information and Software Technology</i> , 2021 , 133, 106530	3.4	25
178	High-Throughput Phenotypic Screening of Human Astrocytes to Identify Compounds That Protect Against Oxidative Stress. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 613-27	6.9	25
177	Disease models for the development of therapies for lysosomal storage diseases. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1371, 15-29	6.5	25
176	Discovery, Optimization, and Characterization of Novel Chlorcyclizine Derivatives for the Treatment of Hepatitis C Virus Infection. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 841-53	8.3	24
175	Pluripotent Stem Cell Platforms for Drug Discovery. <i>Trends in Molecular Medicine</i> , 2018 , 24, 805-820	11.5	24
174	A high-throughput screening assay for fungicidal compounds against <i>Cryptococcus neoformans</i> . <i>Journal of Biomolecular Screening</i> , 2014 , 19, 270-277		24

173	Selective Modulation of Gq/Gs pathways by Naphtho Pyrano Pyrimidines as antagonists of the Neuropeptide S Receptor. <i>ACS Chemical Neuroscience</i> , 2010 , 1, 559-574	5.7	24
172	A multiplex calcium assay for identification of GPCR agonists and antagonists. <i>Assay and Drug Development Technologies</i> , 2010 , 8, 367-79	2.1	24
171	The pilot phase of the NIH Chemical Genomics Center. <i>Current Topics in Medicinal Chemistry</i> , 2009 , 9, 1181-93	3	24
170	Fluorescent protein-based cellular assays analyzed by laser-scanning microplate cytometry in 1536-well plate format. <i>Methods in Enzymology</i> , 2006 , 414, 566-89	1.7	24
169	Identification of small molecule antagonists of the human mas-related gene-X1 receptor. <i>Analytical Biochemistry</i> , 2006 , 351, 50-61	3.1	24
168	Cryo-EM structure of the human MLL1 core complex bound to the nucleosome. <i>Nature Communications</i> , 2019 , 10, 5540	17.4	24
167	Zika Virus: Origins, Pathological Action, and Treatment Strategies. <i>Frontiers in Microbiology</i> , 2018 , 9, 3253-7	3.7	24
166	Endothelial Bmx tyrosine kinase activity is essential for myocardial hypertrophy and remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13063-8	11.5	23
165	Neural stem cells for disease modeling and evaluation of therapeutics for infantile (CLN1/PPT1) and late infantile (CLN2/TPP1) neuronal ceroid lipofuscinoses. <i>Orphanet Journal of Rare Diseases</i> , 2018 , 13, 54	4.2	23
164	A novel quantitative high-throughput screen identifies drugs that both activate SUMO conjugation via the inhibition of microRNAs 182 and 183 and facilitate neuroprotection in a model of oxygen and glucose deprivation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 426-41	7.3	23
163	Discovery of novel antiangiogenesis drug candidates. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 7303-11	3.9	23
162	A high throughput glucocerebrosidase assay using the natural substrate glucosylceramide. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 731-9	4.4	23
161	A novel brain penetrant NPS receptor antagonist, NCGC00185684, blocks alcohol-induced ERK-phosphorylation in the central amygdala and decreases operant alcohol self-administration in rats. <i>Journal of Neuroscience</i> , 2013 , 33, 10132-42	6.6	23
160	Improved Species-Specific Lysine Acetylation Site Prediction Based on a Large Variety of Features Set. <i>PLoS ONE</i> , 2016 , 11, e0155370	3.7	23
159	Miniaturization of a hepatitis C virus RNA polymerase assay using a -102 degrees C cooled CCD camera-based imaging system. <i>Analytical Biochemistry</i> , 2001 , 290, 214-20	3.1	22
158	Data Quality Matters: A Case Study on Data Label Correctness for Security Bug Report Prediction. <i>IEEE Transactions on Software Engineering</i> , 2021 , 1-1	3.5	22
157	Quantitative high-throughput screening identifies cytoprotective molecules that enhance SUMO conjugation via the inhibition of SUMO-specific protease (SENP)2. <i>FASEB Journal</i> , 2018 , 32, 1677-1691	0.9	22
156	Discovery of a novel noniminosugar acid β -glucosidase chaperone series. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 7546-59	8.3	21

155	An alternative direct compound dispensing method using the HP D300 digital dispenser. <i>Journal of the Association for Laboratory Automation</i> , 2013 , 18, 367-74		21
154	A new resorufin-based alpha-glucosidase assay for high-throughput screening. <i>Analytical Biochemistry</i> , 2009 , 390, 79-84	3.1	21
153	Evaluation of 2-thioxo-2,3,5,6,7,8-hexahydropyrimido[4,5-d]pyrimidin-4(1H)-one analogues as GAA activators. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 1880-97	6.8	21
152	High-Throughput Multiplexed Quantitation of Protein Aggregation and Cytotoxicity in a Huntington α Disease Model. <i>Current Chemical Genomics</i> , 2012 , 6, 79-86		21
151	SSIPE: accurately estimating protein-protein binding affinity change upon mutations using evolutionary profiles in combination with an optimized physical energy function. <i>Bioinformatics</i> , 2020 , 36, 2429-2437	7.2	21
150	A large-scale comparative assessment of methods for residue-residue contact prediction. <i>Briefings in Bioinformatics</i> , 2018 , 19, 219-230	13.4	20
149	Non-iminosugar glucocerebrosidase small molecule chaperones. <i>MedChemComm</i> , 2012 , 3, 56-60	5	20
148	Identification of small-molecule agonists of human relaxin family receptor 1 (RXFP1) by using a homogenous cell-based cAMP assay. <i>Journal of Biomolecular Screening</i> , 2013 , 18, 670-7		20
147	A cell-based PDE4 assay in 1536-well plate format for high-throughput screening. <i>Journal of Biomolecular Screening</i> , 2008 , 13, 609-18		20
146	Rapid identification of antifungal compounds against <i>Exserohilum rostratum</i> using high throughput drug repurposing screens. <i>PLoS ONE</i> , 2013 , 8, e70506	3.7	20
145	Deducing high-accuracy protein contact-maps from a triplet of coevolutionary matrices through deep residual convolutional networks. <i>PLoS Computational Biology</i> , 2021 , 17, e1008865	5	20
144	Induced Pluripotent Stem Cells for Disease Modeling and Evaluation of Therapeutics for Niemann-Pick Disease Type A. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 1644-1655	6.9	20
143	Neural stem cells for disease modeling and evaluation of therapeutics for Tay-Sachs disease. <i>Orphanet Journal of Rare Diseases</i> , 2018 , 13, 152	4.2	20
142	High-Throughput Screening, Discovery, and Optimization To Develop a Benzofuran Class of Hepatitis C Virus Inhibitors. <i>ACS Combinatorial Science</i> , 2015 , 17, 641-52	3.9	19
141	ERK Regulates HIF1 α -Mediated Platinum Resistance by Directly Targeting PHD2 in Ovarian Cancer. <i>Clinical Cancer Research</i> , 2019 , 25, 5947-5960	12.9	19
140	Discovery, optimization, and characterization of novel D2 dopamine receptor selective antagonists. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 3450-63	8.3	19
139	Plasma and tissue concentrations of α -tocopherol and β -tocopherol following high dose dietary supplementation in mice. <i>Nutrients</i> , 2012 , 4, 467-90	6.7	19
138	Multi-gram scale synthesis of FR180204. <i>Journal of Organic Chemistry</i> , 2009 , 74, 8870-3	4.2	18

137	Repurposing Screen Identifies Unconventional Drugs With Activity Against Multidrug Resistant. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 438	5.9	18
136	ERK and Arrestin interaction: a converging point of signaling pathways for multiple types of cell surface receptors. <i>Journal of Biomolecular Screening</i> , 2015 , 20, 341-9		17
135	Patient iPSC-derived neural stem cells exhibit phenotypes in concordance with the clinical severity of mucopolysaccharidosis I. <i>Human Molecular Genetics</i> , 2018 , 27, 3612-3626	5.6	17
134	Automated high-content screening for compounds that disassemble the perinucleolar compartment. <i>Journal of Biomolecular Screening</i> , 2009 , 14, 1045-53		17
133	Maduramicin Rapidly Eliminates Malaria Parasites and Potentiates the Gametocytocidal Activity of the Pyrazoleamide PA21A050. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 60, 1492-9	5.9	16
132	An ensemble method for prediction of conformational B-cell epitopes from antigen sequences. <i>Computational Biology and Chemistry</i> , 2014 , 49, 51-8	3.6	16
131	newDNA-Prot: Prediction of DNA-binding proteins by employing support vector machine and a comprehensive sequence representation. <i>Computational Biology and Chemistry</i> , 2014 , 52, 51-9	3.6	16
130	High-throughput viability assay using an autonomously bioluminescent cell line with a bacterial Lux reporter. <i>Journal of the Association for Laboratory Automation</i> , 2015 , 20, 164-74		15
129	FUpred: detecting protein domains through deep-learning-based contact map prediction. <i>Bioinformatics</i> , 2020 , 36, 3749-3757	7.2	15
128	Structure-activity relationship of imidazopyridinium analogues as antagonists of neuropeptide s receptor. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 9045-56	8.3	15
127	Evaluation of cholesterol reduction activity of methyl- β -cyclodextrin using differentiated human neurons and astrocytes. <i>Journal of Biomolecular Screening</i> , 2012 , 17, 1243-51		15
126	Zika Virus-Induced Neuronal Apoptosis via Increased Mitochondrial Fragmentation. <i>Frontiers in Microbiology</i> , 2020 , 11, 598203	5.7	14
125	Inhibiting macrophage PI3K to enhance immunotherapy. <i>Cell Research</i> , 2016 , 26, 1267-1268	24.7	14
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