Wei Zheng

List of Publications by Year in Descending Order

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	SARS-CoV-2 Nucleocapsid Protein TR-FRET Assay Amenable to High Throughput Screening.. *ACS Pharmacology and Translational Science*, **2022**, 5, 8-19	5.9	0
279	Targeting the Fusion Process of SARS-CoV-2 Infection by Small Molecule Inhibitors.. *MBio*, **2022**, e0323821	7.8	1
278	A high throughput screening assay for inhibitors of SARS-CoV-2 pseudotyped particle entry.. *SLAS Discovery*, **2022**,	3.4	4
277	Domain knowledge-based security bug reports prediction. *Knowledge-Based Systems*, **2022**, 241, 108293	7.3	7
276	iPS-derived neural stem cells for disease modeling and evaluation of therapeutics for mucopolysaccharidosis type II.. *Experimental Cell Research*, **2022**, 412, 113007	4.2	0
275	Continuous Encoding for Overlapping Community Detection in Attributed Network.. *IEEE Transactions on Cybernetics*, **2022**, PP,	10.2	1
274	c-Abl Activation Linked to Autophagy-Lysosomal Dysfunction Contributes to Neurological Impairment in Niemann-Pick Type A Disease.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 844297	5.7	0
273	Mitoxantrone modulates a heparan sulfate-spike complex to inhibit SARS-CoV-2 infection.. *Scientific Reports*, **2022**, 12, 6294	4.9	0
272	Progressive assembly of multi-domain protein structures from cryo-EM density maps. *Nature Computational Science*, **2022**, 2, 265-275		0
271	Decoding the link of microbiome niches with homologous sequences enables accurately targeted protein structure prediction. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
270	A Comparative Study of Class Rebalancing Methods for Security Bug Report Classification. *IEEE Transactions on Reliability*, **2021**, 70, 1658-1670	4.6	28
269	Mining of high throughput screening database reveals AP-1 and autophagy pathways as potential targets for COVID-19 therapeutics. *Scientific Reports*, **2021**, 11, 6725	4.9	12
268	Induction of interferon signaling and allograft inflammatory factor 1 in macrophages in a mouse model of breast cancer metastases. *Wellcome Open Research*, **2021**, 6, 52	4.8	2
267	Identification of Antifungal Compounds against Multidrug-Resistant Candida auris Utilizing a High-Throughput Drug-Repurposing Screen. *Antimicrobial Agents and Chemotherapy*, **2021**, 65,	5.9	4
266	Deducing high-accuracy protein contact-maps from a triplet of coevolutionary matrices through deep residual convolutional networks. *PLoS Computational Biology*, **2021**, 17, e1008865	5	20
265	SENP1-mediated deSUMOylation of JAK2 regulates its kinase activity and platinum drug resistance. *Cell Death and Disease*, **2021**, 12, 341	9.8	3
264	Saracatinib is an efficacious clinical candidate for fibrodysplasia ossificans progressiva. *JCI Insight*, **2021**, 6,	9.9	6

263	mRNA therapy restores euglycemia and prevents liver tumors in murine model of glycogen storage disease. *Nature Communications*, **2021**, 12, 3090	17.4	3
262	Generation of an induced pluripotent stem cell line (TRNDi030-A) from a patient with Farber disease carrying a homozygous p. Y36C (c. 107 A>G) mutation in ASAH1. *Stem Cell Research*, **2021**, 53, 102387	1.6	1
261	Application of niclosamide and analogs as small molecule inhibitors of Zika virus and SARS-CoV-2 infection. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 40, 127906	2.9	3
260	Viral Proteases as Targets for Coronavirus Disease 2019 Drug Development. *Journal of Pharmacology and Experimental Therapeutics*, **2021**, 378, 166-172	4.7	6
259	Improving high-impact bug report prediction with combination of interactive machine learning and active learning. *Information and Software Technology*, **2021**, 133, 106530	3.4	25
258	High-throughput screening assays for SARS-CoV-2 drug development: Current status and future directions. *Drug Discovery Today*, **2021**, 26, 2439-2444	8.8	4
257	Generation of Alagille syndrome derived induced pluripotent stem cell line carrying heterozygous mutation in the JAGGED-1 gene at splicing site (Chr20: 10,629,709C>A) before exon 11. *Stem Cell Research*, **2021**, 53, 102366	1.6	0
256	Mechanism for DPY30 and ASH2L intrinsically disordered regions to modulate the MLL/SET1 activity on chromatin. *Nature Communications*, **2021**, 12, 2953	17.4	2
255	Drug combination therapy for emerging viral diseases. *Drug Discovery Today*, **2021**, 26, 2367-2376	8.8	11
254	Induction of interferon signaling and allograft inflammatory factor 1 in macrophages in a mouse model of breast cancer metastases. *Wellcome Open Research*, **2021**, 6, 52	4.8	2
253	Enrichment of NPC1-deficient cells with the lipid LBPA stimulates autophagy, improves lysosomal function, and reduces cholesterol storage. *Journal of Biological Chemistry*, **2021**, 297, 100813	5.4	4
252	Generation of an induced pluripotent stem cell line (TRNDi031-A) from a patient with Alagille syndrome type 1 carrying a heterozygous p. C312X (c. 936T>A) mutation in JAGGED-1. *Stem Cell Research*, **2021**, 54, 102447	1.6	0
251	Discovery of Small Molecule Entry Inhibitors Targeting the Fusion Peptide of SARS-CoV-2 Spike Protein. *ACS Medicinal Chemistry Letters*, **2021**, 12, 1267-1274	4.3	5
250	Folding non-homologous proteins by coupling deep-learning contact maps with I-TASSER assembly simulations. *Cell Reports Methods*, **2021**, 1,		40
249	Generation of an induced pluripotent stem cell line (TRNDi012-B) from Fibrodysplasia Ossificans Progressiva (FOP) patient carrying a heterozygous mutation c. 617G>A in the ACVR1 gene. *Stem Cell Research*, **2021**, 54, 102424	1.6	
248	Effects of SARS-CoV-2 mutations on protein structures and intraviral protein-protein interactions. *Journal of Medical Virology*, **2021**, 93, 2132-2140	19.7	48
247	The SARS-CoV-2 Cytopathic Effect Is Blocked by Lysosome Alkalizing Small Molecules. *ACS Infectious Diseases*, **2021**, 7, 1389-1408	5.5	39
246	Structural interaction between DISC1 and ATF4 underlying transcriptional and synaptic dysregulation in an iPSC model of mental disorders. *Molecular Psychiatry*, **2021**, 26, 1346-1360	15.1	13

245	Functions of Essential Genes and a Scale-Free Protein Interaction Network Revealed by Structure-Based Function and Interaction Prediction for a Minimal Genome. *Journal of Proteome Research*, **2021**, 20, 1178-1189	5.6	7
244	Data Quality Matters: A Case Study on Data Label Correctness for Security Bug Report Prediction. *IEEE Transactions on Software Engineering*, **2021**, 1-1	3.5	22
243	An Integrated Systems Biology Approach Identifies the Proteasome as A Critical Host Machinery for ZIKV and DENV Replication. *Genomics, Proteomics and Bioinformatics*, **2021**, 19, 108-122	6.5	3
242	Biological activity-based modeling identifies antiviral leads against SARS-CoV-2. *Nature Biotechnology*, **2021**, 39, 747-753	44.5	14
241	An induced pluripotent stem cell line (NCATS-CL9075) from a patient carrying compound heterozygote mutations, p.R390P and p.L318P, in the NGLY1 gene. *Stem Cell Research*, **2021**, 54, 102400	1.6	
240	Therapeutics Development for Alagille Syndrome. *Frontiers in Pharmacology*, **2021**, 12, 704586	5.6	3
239	Protein structure prediction using deep learning distance and hydrogen-bonding restraints in CASP14. *Proteins: Structure, Function and Bioinformatics*, **2021**, 89, 1734-1751	4.2	9
238	Improving fragment-based ab initio protein structure assembly using low-accuracy contact-map predictions. *Nature Communications*, **2021**, 12, 5011	17.4	6
237	High-throughput protein modification quantitation analysis using intact protein MRM and its application on hENGase inhibitor screening. *Talanta*, **2021**, 231, 122384	6.2	1
236	Protein inter-residue contact and distance prediction by coupling complementary coevolution features with deep residual networks in CASP14. *Proteins: Structure, Function and Bioinformatics*, **2021**, 89, 1911-1921	4.2	4
235	Protein structural features predict responsiveness to pharmacological chaperone treatment for three lysosomal storage disorders. *PLoS Computational Biology*, **2021**, 17, e1009370	5	0
234	Hybrid Approach Reveals Novel Inhibitors of Multiple SARS-CoV-2 Variants. *ACS Pharmacology and Translational Science*, **2021**, 4, 1675-1688	5.9	2
233	Generation of two gene corrected human isogenic iPSC lines (NCATS-CL6104 and NCATS-CL6105) from a patient line (NCATS-CL6103) carrying a homozygous p.R401X mutation in the NGLY1 gene using CRISPR/Cas9. *Stem Cell Research*, **2021**, 56, 102554	1.6	1
232	Disease modeling for Mucopolysaccharidosis type IIIB using patient derived induced pluripotent stem cells. *Experimental Cell Research*, **2021**, 407, 112785	4.2	2
231	Discovery and characterization of potent And-1 inhibitors for cancer treatment.. *Clinical and Translational Medicine*, **2021**, 11, e627	5.7	3
230	Zika Virus-Induced Neuronal Apoptosis via Increased Mitochondrial Fragmentation. *Frontiers in Microbiology*, **2020**, 11, 598203	5.7	14
229	Landscape of variable domain of heavy-chain-only antibody repertoire from alpaca. *Immunology*, **2020**, 161, 53-65	7.8	3
228	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. *Journal of Proteome Research*, **2020**, 19, 1351-1360	5.6	166

227	Generation and characterization of four Chediak-Higashi Syndrome (CHS) induced pluripotent stem cell (iPSC) lines. *Stem Cell Research*, **2020**, 47, 101883	1.6	0
226	Impact of mRNA chemistry and manufacturing process on innate immune activation. *Science Advances*, **2020**, 6, eaaz6893	14.3	73
225	Invalid bug reports complicate the software aging situation. *Software Quality Journal*, **2020**, 28, 195-220	1.2	3
224	FUpred: detecting protein domains through deep-learning-based contact map prediction. *Bioinformatics*, **2020**, 36, 3749-3757	7.2	15
223	Modeling CNS Involvement in Pompe Disease Using Neural Stem Cells Generated from Patient-Derived Induced Pluripotent Stem Cells. *Cells*, **2020**, 10,	7.9	2
222	CircRNA-SORE mediates sorafenib resistance in hepatocellular carcinoma by stabilizing YBX1. *Signal Transduction and Targeted Therapy*, **2020**, 5, 298	21	72
221	DeepMSA: constructing deep multiple sequence alignment to improve contact prediction and fold-recognition for distant-homology proteins. *Bioinformatics*, **2020**, 36, 2105-2112	7.2	60
220	SSIPe: accurately estimating protein-protein binding affinity change upon mutations using evolutionary profiles in combination with an optimized physical energy function. *Bioinformatics*, **2020**, 36, 2429-2437	7.2	21
219	CVE-assisted large-scale security bug report dataset construction method. *Journal of Systems and Software*, **2020**, 160, 110456	3.3	10
218	A cell-based, infectious-free, platform to identify inhibitors of lassa virus ribonucleoprotein (vRNP) activity. *Antiviral Research*, **2020**, 173, 104667	10.8	6
217	Four induced pluripotent stem cell lines (TRNDi021-C, TRNDi023-D, TRNDi024-D and TRNDi025-A) generated from fibroblasts of four healthy individuals. *Stem Cell Research*, **2020**, 49, 102011	1.6	1
216	Development of a High-Throughput Homogeneous AlphaLISA Drug Screening Assay for the Detection of SARS-CoV-2 Nucleocapsid. *ACS Pharmacology and Translational Science*, **2020**, 3, 1233-1241	5.9	4
215	RNA-Dependent RNA Polymerase as a Target for COVID-19 Drug Discovery. *SLAS Discovery*, **2020**, 25, 1141-1151	3.4	64
214	Heparan sulfate assists SARS-CoV-2 in cell entry and can be targeted by approved drugs in vitro. *Cell Discovery*, **2020**, 6, 80	22.3	86
213	Carbon Dots for Efficient Small Interfering RNA Delivery and Gene Silencing in Plants. *Plant Physiology*, **2020**, 184, 647-657	6.6	40
212	Drug Discovery Strategies for SARS-CoV-2. *Journal of Pharmacology and Experimental Therapeutics*, **2020**, 375, 127-138	4.7	51
211	Pharmacological clearance of misfolded rhodopsin for the treatment of RHO-associated retinitis pigmentosa. *FASEB Journal*, **2020**, 34, 10146-10167	0.9	0
210	Human recombinant lysosomal Hexosaminidases produced in Pichia pastoris efficiently reduced lipid accumulation in Tay-Sachs fibroblasts. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2020**, 184, 885-895	3.1	0

209	Identifying SARS-CoV-2 Entry Inhibitors through Drug Repurposing Screens of SARS-S and MERS-S Pseudotyped Particles. *ACS Pharmacology and Translational Science*, **2020**, 3, 1165-1175	5.9	42
208	Identification of SARS-CoV-2 3CL Protease Inhibitors by a Quantitative High-Throughput Screening. *ACS Pharmacology and Translational Science*, **2020**, 3, 1008-1016	5.9	76
207	Cell-Based No-Wash Fluorescence Assays for Compound Screens Using a Fluorescence Cytometry Plate Reader. *Journal of Pharmacology and Experimental Therapeutics*, **2020**, 374, 500-511	4.7	
206	Human Pluripotent Stem Cell-Derived Neural Cells and Brain Organoids Reveal SARS-CoV-2 Neurotropism Predominates in Choroid Plexus Epithelium. *Cell Stem Cell*, **2020**, 27, 937-950.e9	18	151
205	Torin 2 Derivative, NCATS-SM3710, Has Potent Multistage Antimalarial Activity through Inhibition of Phosphatidylinositol 4-Kinase (PI4KIII). *ACS Pharmacology and Translational Science*, **2020**, 3, 948-964	5.9	8
204	Two-Level Protein Methylation Prediction using structure model-based features. *Scientific Reports*, **2020**, 10, 6008	4.9	4
203	The Human DNA Mismatch Repair Protein MSH3 Contains Nuclear Localization and Export Signals That Enable Nuclear-Cytosolic Shuttling in Response to Inflammation. *Molecular and Cellular Biology*, **2020**, 40,	4.8	9
202	Drug Repurposing Screen for Compounds Inhibiting the Cytopathic Effect of SARS-CoV-2. *Frontiers in Pharmacology*, **2020**, 11, 592737	5.6	39
201	Improving therapy of severe infections through drug repurposing of synergistic combinations. *Current Opinion in Pharmacology*, **2019**, 48, 92-98	5.1	27
200	Induced pluripotent stem cells for neural drug discovery. *Drug Discovery Today*, **2019**, 24, 992-999	8.8	43
199	-Tocopherol Effect on Endocytosis and Its Combination with Enzyme Replacement Therapy for Lysosomal Disorders: A New Type of Drug Interaction?. *Journal of Pharmacology and Experimental Therapeutics*, **2019**, 370, 823-833	4.7	2
198	Pharmacological analysis of CFTR variants of cystic fibrosis using stem cell-derived organoids. *Drug Discovery Today*, **2019**, 24, 2126-2138	8.8	9
197	An induced pluripotent stem cell line (TRNDi009-C) from a Niemann-Pick disease type A patient carrying a heterozygous p.L302P (c.905 T>C) mutation in the SMPD1 gene. *Stem Cell Research*, **2019** , 38, 101461	1.6	4
196	Identification of Ezetimibe and Pranlukast as Pharmacological Chaperones for the Treatment of the Rare Disease Mucopolysaccharidosis Type IVA. *Journal of Medicinal Chemistry*, **2019**, 62, 6175-6189	8.3	13
195	Generation of an induced pluripotent stem cell line (TRNDi008-A) from a Hunter syndrome patient carrying a hemizygous 208insC mutation in the IDS gene. *Stem Cell Research*, **2019**, 37, 101451	1.6	4
194	17-Hydroxy Wortmannin Restores TRAIL Response by Ameliorating Increased Beclin 1 Level and Autophagy Function in TRAIL-Resistant Colon Cancer Cells. *Molecular Cancer Therapeutics*, **2019**, 18, 1265-1277	6.1	1
193	Generation of an induced pluripotent stem cell line (TRNDi004-I) from a Niemann-Pick disease type B patient carrying a heterozygous mutation of p.L43_A44delLA in the SMPD1 gene. *Stem Cell Research*, **2019**, 37, 101436	1.6	1
192	I-TASSER gateway: A protein structure and function prediction server powered by XSEDE. *Future Generation Computer Systems*, **2019**, 99, 73-85	7.5	35

191	A human induced pluripotent stem cell line (TRNDi007-B) from an infantile onset Pompe patient carrying p.R854X mutation in the GAA gene. *Stem Cell Research*, **2019**, 37, 101435	1.6	7
190	High-Throughput Zika Viral Titer Assay for Rapid Screening of Antiviral Drugs. *Assay and Drug Development Technologies*, **2019**, 17, 128-139	2.1	6
189	An induced pluripotent stem cell line (TRNDi006-A) from a MPS IIIB patient carrying homozygous mutation of p.Glu153Lys in the NAGLU gene. *Stem Cell Research*, **2019**, 37, 101427	1.6	4
188	Identification, design and synthesis of novel pyrazolopyridine influenza virus nonstructural protein 1 antagonists. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 1113-1119	2.9	4
187	Towards understanding bugs in an open source cloud management stack: An empirical study of OpenStack software bugs. *Journal of Systems and Software*, **2019**, 151, 210-223	3.3	6
186	Generation of an induced pluripotent stem cell line (TRNDi005-A) from a Mucopolysaccharidosis Type IVA (MPS IVA) patient carrying compound heterozygous p.R61W and p.WT405del mutations in the GALNS gene. *Stem Cell Research*, **2019**, 36, 101408	1.6	3
185	Advancing precision medicine with personalized drug screening. *Drug Discovery Today*, **2019**, 24, 272-278	8.8	14
184	LOMETS2: improved meta-threading server for fold-recognition and structure-based function annotation for distant-homology proteins. *Nucleic Acids Research*, **2019**, 47, W429-W436	20.1	76
183	ERK Regulates HIF1Œ±Mediated Platinum Resistance by Directly Targeting PHD2 in Ovarian Cancer. *Clinical Cancer Research*, **2019**, 25, 5947-5960	12.9	19
182	An induced pluripotent stem cell line (TRNDi010-C) from a patient carrying a homozygous p.R401X mutation in the NGLY1 gene. *Stem Cell Research*, **2019**, 39, 101496	1.6	1
181	Deep-learning contact-map guided protein structure prediction in CASP13. *Proteins: Structure, Function and Bioinformatics*, **2019**, 87, 1149-1164	4.2	108
180	Detecting distant-homology protein structures by aligning deep neural-network based contact maps. *PLoS Computational Biology*, **2019**, 15, e1007411	5	25
179	Lung Mammary Metastases but Not Primary Tumors Induce Accumulation of Atypical Large Platelets and Their Chemokine Expression. *Cell Reports*, **2019**, 29, 1747-1755.e4	10.6	7
178	Phosphocyclocreatine is the dominant form of cyclocreatine in control and creatine transporter deficiency patient fibroblasts. *Pharmacology Research and Perspectives*, **2019**, 7, e00525	3.1	4
177	Cryo-EM structure of the human MLL1 core complex bound to the nucleosome. *Nature Communications*, **2019**, 10, 5540	17.4	24
176	Quantitative Chemotherapeutic Profiling of Gynecologic Cancer Cell Lines Using Approved Drugs and Bioactive Compounds. *Translational Oncology*, **2019**, 12, 441-452	4.9	9
175	Generation of an induced pluripotent stem cell line (TRNDi003-A) from a Noonan syndrome with multiple lentigines (NSML) patient carrying a p.Q510P mutation in the PTPN11 gene. *Stem Cell Research*, **2019**, 34, 101374	1.6	6
174	Generation of an induced pluripotent stem cell line (TRNDi002-B) from a patient carrying compound heterozygous p.Q208X and p.G310G mutations in the NGLY1 gene. *Stem Cell Research*, **2019**, 34, 101362	1.6	5

173	MetaGO: Predicting Gene Ontology of Non-homologous Proteins Through Low-Resolution Protein Structure Prediction and Protein-Protein Network Mapping. *Journal of Molecular Biology*, **2018**, 430, 2256-2265	6.5	32
172	Systemic Medication Associations with Presumed Advanced or Uncontrolled Primary Open-Angle Glaucoma. *Ophthalmology*, **2018**, 125, 984-993	7.3	29
171	Astrocytes as targets for drug discovery. *Drug Discovery Today*, **2018**, 23, 673-680	8.8	27
170	Neural stem cells for disease modeling and evaluation of therapeutics for infantile (CLN1/PPT1) and late infantile (CLN2/TPP1) neuronal ceroid lipofuscinoses. *Orphanet Journal of Rare Diseases*, **2018**, 13, 54	4.2	23
169	DUOXA1-mediated ROS production promotes cisplatin resistance by activating ATR-Chk1 pathway in ovarian cancer. *Cancer Letters*, **2018**, 428, 104-116	9.9	41
168	Drug repurposing screens and synergistic drug-combinations for infectious diseases. *British Journal of Pharmacology*, **2018**, 175, 181-191	8.6	111
167	Repurposing a novel parathyroid hormone analogue to treat hypoparathyroidism. *British Journal of Pharmacology*, **2018**, 175, 262-271	8.6	11
166	A large-scale comparative assessment of methods for residue-residue contact prediction. *Briefings in Bioinformatics*, **2018**, 19, 219-230	13.4	20
165	Small Molecules Identified from a Quantitative Drug Combinational Screen Resensitize Cisplatin Response in Drug-Resistant Ovarian Cancer Cells. *Translational Oncology*, **2018**, 11, 1053-1064	4.9	5
164	Patient iPSC-derived neural stem cells exhibit phenotypes in concordance with the clinical severity of mucopolysaccharidosis I. *Human Molecular Genetics*, **2018**, 27, 3612-3626	5.6	17
163	Pluripotent Stem Cell Platforms for Drug Discovery. *Trends in Molecular Medicine*, **2018**, 24, 805-820	11.5	24
162	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. *Cell Discovery*, **2018**, 4, 31	22.3	81
161	Drugging SUMOylation for neuroprotection and oncotherapy. *Neural Regeneration Research*, **2018**, 13, 415-416	4.5	8
160	Repurposing Screen Identifies Unconventional Drugs With Activity Against Multidrug Resistant. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 438	5.9	18
159	Zika Virus: Origins, Pathological Action, and Treatment Strategies. *Frontiers in Microbiology*, **2018**, 9, 3252	3.7	24
158	Quantitative high-throughput screening identifies cytoprotective molecules that enhance SUMO conjugation via the inhibition of SUMO-specific protease (SENP)2. *FASEB Journal*, **2018**, 32, 1677-1691	0.9	22
157	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. *ACS Central Science*, **2018**, 4, 1727-1741	16.8	26
156	"Real-Time" High-Throughput Drug and Synergy Testing for Multidrug-Resistant Bacterial Infection: A Case Report. *Frontiers in Medicine*, **2018**, 5, 267	4.9	3

155	Neural stem cells for disease modeling and evaluation of therapeutics for Tay-Sachs disease. *Orphanet Journal of Rare Diseases*, **2018**, 13, 152	4.2	20
154	Memory-Enhanced Dynamic Multi-Objective Evolutionary Algorithm Based on Lp Decomposition. *Applied Sciences (Switzerland)*, **2018**, 8, 1673	2.6	12
153	Discovery of 3-(4-sulfamoylnaphthyl)pyrazolo[1,5-a]pyrimidines as potent and selective ALK2 inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 3356-3362	2.9	11
152	Metarrestin, a perinucleolar compartment inhibitor, effectively suppresses metastasis. *Science Translational Medicine*, **2018**, 10,	17.5	34
151	Optimization of the first small-molecule relaxin/insulin-like family peptide receptor (RXFP1) agonists: Activation results in an antifibrotic gene expression profile. *European Journal of Medicinal Chemistry*, **2018**, 156, 79-92	6.8	7
150	A Novel Method for Drug Screen to Regulate G Protein-Coupled Receptors in the Metabolic Network of Alzheimer□ Disease. *BioMed Research International*, **2018**, 2018, 5486403	3	2
149	Methyl-□cyclodextrin restores impaired autophagy flux in Niemann-Pick C1-deficient cells through activation of AMPK. *Autophagy*, **2017**, 13, 1435-1451	10.2	52
148	Development of an Aryloxazole Class of Hepatitis C Virus Inhibitors Targeting the Entry Stage of the Viral Replication Cycle. *Journal of Medicinal Chemistry*, **2017**, 60, 6364-6383	8.3	9
147	PrAS: Prediction of amidation sites using multiple feature extraction. *Computational Biology and Chemistry*, **2017**, 66, 57-62	3.6	6
146	BindProfX: Assessing Mutation-Induced Binding Affinity Change by Protein Interface Profiles with Pseudo-Counts. *Journal of Molecular Biology*, **2017**, 429, 426-434	6.5	65
145	What DKKtates where to metastasize. *Nature Cell Biology*, **2017**, 19, 1146-1148	23.4	1
144	Efficient Synthesis of 1,9-Substituted Benzo[h][1,6]naphthyridin-2(1H)-ones and Evaluation of their Plasmodium falciparum Gametocytocidal Activities. *ACS Combinatorial Science*, **2017**, 19, 748-754	3.9	4
143	Identification of 4-phenylquinolin-2(1H)-one as a specific allosteric inhibitor of Akt. *Scientific Reports*, **2017**, 7, 11673	4.9	5
142	Drug discovery and development for rare genetic disorders. *American Journal of Medical Genetics, Part A*, **2017**, 173, 2307-2322	2.5	41
141	Neural stem cells for disease modeling of Wolman disease and evaluation of therapeutics. *Orphanet Journal of Rare Diseases*, **2017**, 12, 120	4.2	14
140	Synergistic drug combination effectively blocks Ebola virus infection. *Antiviral Research*, **2017**, 137, 165-172	3.628	58
139	An Improved MOEA/D with Optimal DE Schemes for Many-Objective Optimization Problems. *Algorithms*, **2017**, 10, 86	1.8	1
138	Identification of small-molecule inhibitors of Zika virus infection and induced neural cell death via a drug repurposing screen. *Nature Medicine*, **2016**, 22, 1101-1107	50.5	458

137	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. *Nucleic Acids Research*, **2016**, 44, 8610-8620	20.1	119
136	A New Glucocerebrosidase Chaperone Reduces -Synuclein and Glycolipid Levels in iPSC-Derived Dopaminergic Neurons from Patients with Gaucher Disease and Parkinsonism. *Journal of Neuroscience*, **2016**, 36, 7441-52	6.6	150
135	Rapid antimicrobial susceptibility test for identification of new therapeutics and drug combinations against multidrug-resistant bacteria. *Emerging Microbes and Infections*, **2016**, 5, e116	18.9	45
134	Inhibiting macrophage PI3K to enhance immunotherapy. *Cell Research*, **2016**, 26, 1267-1268	24.7	14
133	Identification of Multiple Cryptococcal Fungicidal Drug Targets by Combined Gene Dosing and Drug Affinity Responsive Target Stability Screening. *MBio*, **2016**, 7,	7.8	11
132	High throughput cell-based assay for identification of glycolate oxidase inhibitors as a potential treatment for Primary Hyperoxaluria Type 1. *Scientific Reports*, **2016**, 6, 34060	4.9	14
131	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. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 426-41	7.3	23
130	Multi-objective optimisation for regression testing. *Information Sciences*, **2016**, 334-335, 1-16	7.7	27
129	Discovery, Optimization, and Characterization of Novel Chlorcyclizine Derivatives for the Treatment of Hepatitis C Virus Infection. *Journal of Medicinal Chemistry*, **2016**, 59, 841-53	8.3	24
128	ML372 blocks SMN ubiquitination and improves spinal muscular atrophy pathology in mice. *JCI Insight*, **2016**, 1, e88427	9.9	13
127	Improved Species-Specific Lysine Acetylation Site Prediction Based on a Large Variety of Features Set. *PLoS ONE*, **2016**, 11, e0155370	3.7	23
126	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
125	gDNA-Prot: Predict DNA-binding proteins by employing support vector machine and a novel numerical characterization of protein sequence. *Journal of Theoretical Biology*, **2016**, 406, 8-16	2.3	5
124	A High-Throughput, Multi-Cell Phenotype Assay for the Identification of Novel Inhibitors of Chemotaxis/Migration. *Scientific Reports*, **2016**, 6, 22273	4.9	13
123	Drug combination therapy increases successful drug repositioning. *Drug Discovery Today*, **2016**, 21, 1189[illegible]	[illegible]	159
122	High-Throughput Phenotypic Screening of Human Astrocytes to Identify Compounds That Protect Against Oxidative Stress. *Stem Cells Translational Medicine*, **2016**, 5, 613-27	6.9	25
121	In vitro evaluation of imidazo[4,5-c]quinolin-2-ones as gametocytocidal antimalarial agents. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 2907-2911	2.9	8
120	Induced Pluripotent Stem Cells for Disease Modeling and Evaluation of Therapeutics for Niemann-Pick Disease Type A. *Stem Cells Translational Medicine*, **2016**, 5, 1644-1655	6.9	20

119	Disease models for the development of therapies for lysosomal storage diseases. *Annals of the New York Academy of Sciences*, **2016**, 1371, 15-29	6.5	25
118	ERK and β-arrestin interaction: a converging point of signaling pathways for multiple types of cell surface receptors. *Journal of Biomolecular Screening*, **2015**, 20, 341-9		17
117	High-throughput viability assay using an autonomously bioluminescent cell line with a bacterial Lux reporter. *Journal of the Association for Laboratory Automation*, **2015**, 20, 164-74		15
116	Genome-wide interaction analysis of quantitative traits in outbred mice. *Genetical Research*, **2015**, 97, e9	1.1	1
115	Endothelial Bmx tyrosine kinase activity is essential for myocardial hypertrophy and remodeling. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13063-8	11.5	23
114	Identification of novel anti-hepatitis C virus agents by a quantitative high throughput screen in a cell-based infection assay. *Antiviral Research*, **2015**, 124, 20-9	10.8	7
113	High-Throughput Screening, Discovery, and Optimization To Develop a Benzofuran Class of Hepatitis C Virus Inhibitors. *ACS Combinatorial Science*, **2015**, 17, 641-52	3.9	19
112	Maduramicin Rapidly Eliminates Malaria Parasites and Potentiates the Gametocytocidal Activity of the Pyrazoleamide PA21A050. *Antimicrobial Agents and Chemotherapy*, **2015**, 60, 1492-9	5.9	16
111	Elabela-apelin receptor signaling pathway is functional in mammalian systems. *Scientific Reports*, **2015**, 5, 8170	4.9	108
110	VEGF-C is required for intestinal lymphatic vessel maintenance and lipid absorption. *EMBO Molecular Medicine*, **2015**, 7, 1418-25	12	116
109	A cost-effective and efficient reprogramming platform for large-scale production of integration-free human induced pluripotent stem cells in chemically defined culture. *Scientific Reports*, **2015**, 5, 11319	4.9	82
108	Novel numerical characterization of protein sequences based on individual amino acid and its application. *BioMed Research International*, **2015**, 2015, 909567	3	6
107	Inhibition of the Mitochondrial Protease ClpP as a Therapeutic Strategy for Human Acute Myeloid Leukemia. *Cancer Cell*, **2015**, 27, 864-76	24.3	191
106	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. *Stem Cells Translational Medicine*, **2015**, 4, 800-8	6.9	62
105	Small molecule inhibition of group I p21-activated kinases in breast cancer induces apoptosis and potentiates the activity of microtubule stabilizing agents. *Breast Cancer Research*, **2015**, 17, 59	8.3	42
104	Analysis of Conformational B-Cell Epitopes in the Antibody-Antigen Complex Using the Depth Function and the Convex Hull. *PLoS ONE*, **2015**, 10, e0134835	3.7	13
103	Chemical signatures and new drug targets for gametocytocidal drug development. *Scientific Reports*, **2014**, 4, 3743	4.9	67
102	An ensemble method for prediction of conformational B-cell epitopes from antigen sequences. *Computational Biology and Chemistry*, **2014**, 49, 51-8	3.6	16

101	Lomofungin and dilomofungin: inhibitors of MBNL1-CUG RNA binding with distinct cellular effects. *Nucleic Acids Research*, **2014**, 42, 6591-602	20.1	41
100	newDNA-Prot: Prediction of DNA-binding proteins by employing support vector machine and a comprehensive sequence representation. *Computational Biology and Chemistry*, **2014**, 52, 51-9	3.6	16
99	Discovery, optimization, and characterization of novel D2 dopamine receptor selective antagonists. *Journal of Medicinal Chemistry*, **2014**, 57, 3450-63	8.3	19
98	Discovery of novel antigiardiasis drug candidates. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 7303-11	5.9	23
97	A high-throughput screening assay for fungicidal compounds against Cryptococcus neoformans. *Journal of Biomolecular Screening*, **2014**, 19, 270-277		24
96	Novel cell-based hepatitis C virus infection assay for quantitative high-throughput screening of anti-hepatitis C virus compounds. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 995-1004	5.9	30
95	Inhibition of HERG potassium channels by domiphen bromide and didecyl dimethylammonium bromide. *European Journal of Pharmacology*, **2014**, 737, 202-9	5.3	2
94	Structural basis for inactivation of Giardia lamblia carbamate kinase by disulfiram. *Journal of Biological Chemistry*, **2014**, 289, 10502-10509	5.4	41
93	Niemann-Pick Disease Type C: Induced Pluripotent Stem Cell-Derived Neuronal Cells for Modeling Neural Disease and Evaluating Drug Efficacy. *Journal of Biomolecular Screening*, **2014**, 19, 1164-73		62
92	Identification of 53 compounds that block Ebola virus-like particle entry via a repurposing screen of approved drugs. *Emerging Microbes and Infections*, **2014**, 3, e84	18.9	167
91	Macrophage models of Gaucher disease for evaluating disease pathogenesis and candidate drugs. *Science Translational Medicine*, **2014**, 6, 240ra73	17.5	72
90	Divergence in a master variator generates distinct phenotypes and transcriptional responses. *Genes and Development*, **2014**, 28, 409-21	12.6	12
89	A phenotypic compound screening assay for lysosomal storage diseases. *Journal of Biomolecular Screening*, **2014**, 19, 168-75		42
88	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. *Human Molecular Genetics*, **2014**, 23, 1551-62	5.6	48
87	Quad-PRE: a hybrid method to predict protein quaternary structure attributes. *Computational and Mathematical Methods in Medicine*, **2014**, 2014, 715494	2.8	2
86	Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. *Genes and Development*, **2014**, 28, 1592-603	12.6	74
85	Lymphangiogenic factors, mechanisms, and applications. *Journal of Clinical Investigation*, **2014**, 124, 878-87	15.9	211
84	A high throughput screening assay system for the identification of small molecule inhibitors of gsp. *PLoS ONE*, **2014**, 9, e90766	3.7	13

83	Collaborative development of 2-hydroxypropyl-Ecyclodextrin for the treatment of Niemann-Pick type C1 disease. *Current Topics in Medicinal Chemistry*, **2014**, 14, 330-9	3	94
82	A high-throughput screening assay for assessing the viability of Cryptococcus neoformans under nutrient starvation conditions. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 6823-9	4.4	7
81	Phenotypic screens as a renewed approach for drug discovery. *Drug Discovery Today*, **2013**, 18, 1067-73	8.8	282
80	Induction and reversal of myotonic dystrophy type 1 pre-mRNA splicing defects by small molecules. *Nature Communications*, **2013**, 4, 2044	17.4	68
79	Identification and optimization of small-molecule agonists of the human relaxin hormone receptor RXFP1. *Nature Communications*, **2013**, 4, 1953	17.4	47
78	Structure-activity relationship of imidazopyridinium analogues as antagonists of neuropeptide s receptor. *Journal of Medicinal Chemistry*, **2013**, 56, 9045-56	8.3	15
77	A quantitative high throughput assay for identifying gametocytocidal compounds. *Molecular and Biochemical Parasitology*, **2013**, 188, 20-5	1.9	40
76	Mechanism of HERG potassium channel inhibition by tetra-n-octylammonium bromide and benzethonium chloride. *Toxicology and Applied Pharmacology*, **2013**, 267, 155-66	4.6	7
75	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. *Journal of Neuroscience*, **2013**, 33, 10132-42	6.6	23
74	Identification of small-molecule agonists of human relaxin family receptor 1 (RXFP1) by using a homogenous cell-based cAMP assay. *Journal of Biomolecular Screening*, **2013**, 18, 670-7		20
73	Statistical analysis reveals co-expression patterns of many pairs of genes in yeast are jointly regulated by interacting loci. *PLoS Genetics*, **2013**, 9, e1003414	6	12
72	An alternative direct compound dispensing method using the HP D300 digital dispenser. *Journal of the Association for Laboratory Automation*, **2013**, 18, 367-74		21
71	Identification of a selective small-molecule inhibitor series targeting the eyes absent 2 (Eya2) phosphatase activity. *Journal of Biomolecular Screening*, **2013**, 18, 85-96		27
70	Rapid identification of antifungal compounds against Exserohilum rostratum using high throughput drug repurposing screens. *PLoS ONE*, **2013**, 8, e70506	3.7	20
69	A high throughput glucocerebrosidase assay using the natural substrate glucosylceramide. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 731-9	4.4	23
68	Two high-throughput screening assays for aberrant RNA-protein interactions in myotonic dystrophy type 1. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 1889-98	4.4	40
67	Plasma and tissue concentrations of Etocopherol and Etocopherol following high dose dietary supplementation in mice. *Nutrients*, **2012**, 4, 467-90	6.7	19
66	Non-iminosugar glucocerebrosidase small molecule chaperones. *MedChemComm*, **2012**, 3, 56-60	5	20

65	Identification of benzodiazepine Ro5-3335 as an inhibitor of CBF leukemia through quantitative high throughput screen against RUNX1-CBF interaction. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 14592-7	11.5	81
64	Discovery of a novel noniminosugar acid glucosidase chaperone series. *Journal of Medicinal Chemistry*, **2012**, 55, 7546-59	8.3	21
63	Discovery, structure-activity relationship, and biological evaluation of noninhibitory small molecule chaperones of glucocerebrosidase. *Journal of Medicinal Chemistry*, **2012**, 55, 5734-48	8.3	93
62	A high-throughput sphingomyelinase assay using natural substrate. *Analytical and Bioanalytical Chemistry*, **2012**, 404, 407-14	4.4	7
61	Evaluation of cholesterol reduction activity of methyl- cyclodextrin using differentiated human neurons and astrocytes. *Journal of Biomolecular Screening*, **2012**, 17, 1243-51		15
60	Deletion of the endothelial Bmx tyrosine kinase decreases tumor angiogenesis and growth. *Cancer Research*, **2012**, 72, 3512-21	10.1	29
59	Tocopherol reduces lipid accumulation in Niemann-Pick type C1 and Wolman cholesterol storage disorders. *Journal of Biological Chemistry*, **2012**, 287, 39349-60	5.4	93
58	High throughput screening for small molecule therapy for Gaucher disease using patient tissue as the source of mutant glucocerebrosidase. *PLoS ONE*, **2012**, 7, e29861	3.7	51
57	High-Throughput Multiplexed Quantitation of Protein Aggregation and Cytotoxicity in a Huntington Disease Model. *Current Chemical Genomics*, **2012**, 6, 79-86		21
56	A homogenous luminescence assay reveals novel inhibitors for giardia lamblia carbamate kinase. *Current Chemical Genomics*, **2012**, 6, 93-102		13
55	Discovery, synthesis, and biological evaluation of novel SMN protein modulators. *Journal of Medicinal Chemistry*, **2011**, 54, 6215-33	8.3	37
54	Evaluation of quinazoline analogues as glucocerebrosidase inhibitors with chaperone activity. *Journal of Medicinal Chemistry*, **2011**, 54, 1033-58	8.3	54
53	VEGFR-3 controls tip to stalk conversion at vessel fusion sites by reinforcing Notch signalling. *Nature Cell Biology*, **2011**, 13, 1202-13	23.4	237
52	Novel patient cell-based HTS assay for identification of small molecules for a lysosomal storage disease. *PLoS ONE*, **2011**, 6, e29504	3.7	10
51	Identification of quaternary ammonium compounds as potent inhibitors of hERG potassium channels. *Toxicology and Applied Pharmacology*, **2011**, 252, 250-8	4.6	29
50	Phosphodiesterase 4 inhibitors enhance sexual pleasure-seeking activity in rodents. *Pharmacology Biochemistry and Behavior*, **2011**, 98, 349-55	3.9	2
49	The Synthesis and Evaluation of Dihydroquinazolin-4-ones and Quinazolin-4-ones as Thyroid Stimulating Hormone Receptor Agonists. *MedChemComm*, **2011**, 2, 1016-1020	5	7
48	Notch restricts lymphatic vessel sprouting induced by vascular endothelial growth factor. *Blood*, **2011**, 118, 1154-62	2.2	97

47	High-throughput Giardia lamblia viability assay using bioluminescent ATP content measurements. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 667-75	5.9	35
46	Fabry disease - current treatment and new drug development. *Current Chemical Genomics*, **2010**, 4, 50-6		32
45	High throughput screening for inhibitors of alpha-galactosidase. *Current Chemical Genomics*, **2010**, 4, 67-73		13
44	Selective Modulation of Gq/Gs pathways by Naphtho Pyrano Pyrimidines as antagonists of the Neuropeptide S Receptor. *ACS Chemical Neuroscience*, **2010**, 1, 559-574	5.7	24
43	A multiplex calcium assay for identification of GPCR agonists and antagonists. *Assay and Drug Development Technologies*, **2010**, 8, 367-79	2.1	24
42	Role of synectin in lymphatic development in zebrafish and frogs. *Blood*, **2010**, 116, 3356-66	2.2	33
41	Effective suppression of vascular network formation by combination of antibodies blocking VEGFR ligand binding and receptor dimerization. *Cancer Cell*, **2010**, 18, 630-40	24.3	108
40	Evaluation of 2-thioxo-2,3,5,6,7,8-hexahydropyrimido[4,5-d]pyrimidin-4(1H)-one analogues as GAA activators. *European Journal of Medicinal Chemistry*, **2010**, 45, 1880-97	6.8	21
39	Small Molecule Drug Discovery for Fabry Disease **2010**, 163-177		
38	The pilot phase of the NIH Chemical Genomics Center. *Current Topics in Medicinal Chemistry*, **2009**, 9, 1181-93	3	24
37	An AlphaScreen-based high-throughput screen to identify inhibitors of Hsp90-cochaperone interaction. *Journal of Biomolecular Screening*, **2009**, 14, 273-81		42
36	Small-molecule agonists for the thyrotropin receptor stimulate thyroid function in human thyrocytes and mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 12471-6	11.5	85
35	Cardiac glycosides inhibit p53 synthesis by a mechanism relieved by Src or MAPK inhibition. *Cancer Research*, **2009**, 69, 6556-64	10.1	80
34	Automated high-content screening for compounds that disassemble the perinucleolar compartment. *Journal of Biomolecular Screening*, **2009**, 14, 1045-53		17
33	Synthesis and characterization of a new fluorogenic substrate for alpha-galactosidase. *Analytical and Bioanalytical Chemistry*, **2009**, 394, 1903-9	4.4	11
32	Quantitative high-throughput screening identifies inhibitors of anthrax-induced cell death. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 5139-45	3.4	28
31	A new resorufin-based alpha-glucosidase assay for high-throughput screening. *Analytical Biochemistry*, **2009**, 390, 79-84	3.1	21
30	A new homogeneous high-throughput screening assay for profiling compound activity on the human ether-a-go-go-related gene channel. *Analytical Biochemistry*, **2009**, 394, 30-8	3.1	52

29	Multi-gram scale synthesis of FR180204. *Journal of Organic Chemistry*, **2009**, 74, 8870-3	4.2	18
28	A robotic platform for quantitative high-throughput screening. *Assay and Drug Development Technologies*, **2008**, 6, 637-57	2.1	111
27	Quantitative high-throughput screening using a live-cell cAMP assay identifies small-molecule agonists of the TSH receptor. *Journal of Biomolecular Screening*, **2008**, 13, 120-7		47
26	A cell-based PDE4 assay in 1536-well plate format for high-throughput screening. *Journal of Biomolecular Screening*, **2008**, 13, 609-18		20
25	Compound Management for Quantitative High-Throughput Screening. *Journal of the Association for Laboratory Automation*, **2008**, 13, 79-89		68
24	A miniaturized glucocorticoid receptor translocation assay using enzymatic fragment complementation evaluated with qHTS. *Combinatorial Chemistry and High Throughput Screening*, **2008**, 11, 545-59	1.3	14
23	Optimization and validation of two miniaturized glucocerebrosidase enzyme assays for high throughput screening. *Combinatorial Chemistry and High Throughput Screening*, **2008**, 11, 817-24	1.3	31
22	Comparison on functional assays for Gq-coupled GPCRs by measuring inositol monophospate-1 and intracellular calcium in 1536-well plate format. *Current Chemical Genomics*, **2008**, 1, 70-8		28
21	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. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 5783-9	2.9	26
20	High-throughput screening assays for the identification of chemical probes. *Nature Chemical Biology*, **2007**, 3, 466-79	11.7	478
19	Evaluation of micro-parallel liquid chromatography as a method for HTS-coupled actives verification. *Assay and Drug Development Technologies*, **2007**, 5, 815-24	2.1	4
18	Three classes of glucocerebrosidase inhibitors identified by quantitative high-throughput screening are chaperone leads for Gaucher disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 13192-7	11.5	130
17	A cell-based ultra-high-throughput screening assay for identifying inhibitors of D-amino acid oxidase. *Journal of Biomolecular Screening*, **2006**, 11, 481-7		42
16	Quantitative high-throughput screening: a titration-based approach that efficiently identifies biological activities in large chemical libraries. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11473-8	11.5	632
15	Fluorescent protein-based cellular assays analyzed by laser-scanning microplate cytometry in 1536-well plate format. *Methods in Enzymology*, **2006**, 414, 566-89	1.7	24
14	Identification of small molecule antagonists of the human mas-related gene-X1 receptor. *Analytical Biochemistry*, **2006**, 351, 50-61	3.1	24
13	High-throughput screening of 11beta-hydroxysteroid dehydrogenase type 1 in scintillation proximity assay format. *Assay and Drug Development Technologies*, **2005**, 3, 377-84	2.1	10
12	A short-incubation reporter-gene assay for high-throughput screening of estrogen receptor-alpha antagonists. *Assay and Drug Development Technologies*, **2005**, 3, 393-400	2.1	5

11	Application of division arrest technology to cell-based HTS: comparison with frozen and fresh cells. *Assay and Drug Development Technologies*, **2005**, 3, 17-26	2.1	34
10	A 1536-well cAMP assay for Gs- and Gi-coupled receptors using enzyme fragmentation complementation. *Assay and Drug Development Technologies*, **2004**, 2, 39-49	2.1	25
9	High-throughput cell-based screening using scintillation proximity assay for the discovery of inositol phosphatase inhibitors. *Journal of Biomolecular Screening*, **2004**, 9, 132-40		10
8	High throughput assay technologies for ion channel drug discovery. *Assay and Drug Development Technologies*, **2004**, 2, 543-52	2.1	110
7	Application of real-time cell electronic sensing (RT-CES) technology to cell-based assays. *Assay and Drug Development Technologies*, **2004**, 2, 363-72	2.1	316
6	Scintillation proximity assay of inositol phosphates in cell extracts: high-throughput measurement of G-protein-coupled receptor activation. *Analytical Biochemistry*, **2003**, 313, 311-8	3.1	75
5	2-Arylindole-3-acetamides: FPP-competitive inhibitors of farnesyl protein transferase. *Bioorganic and Medicinal Chemistry Letters*, **2001**, 11, 865-9	2.9	14
4	Miniaturization of a hepatitis C virus RNA polymerase assay using a -102 degrees C cooled CCD camera-based imaging system. *Analytical Biochemistry*, **2001**, 290, 214-20	3.1	22
3	Identification and characterization of small molecule functional antagonists of the CCR1 chemokine receptor. *Journal of Biological Chemistry*, **1998**, 273, 15687-92	5.4	111
2	Increased expression of the cardiac L-type calcium channel in estrogen receptor-deficient mice. *Journal of General Physiology*, **1997**, 110, 135-40	3.4	150
1	Thermodynamic and kinetic aspects of agonist and antagonist binding to 1,4-dihydropyridine receptors. *European Journal of Pharmacology*, **1991**, 208, 137-47		6