Wei Zheng

List of Publications by Year
in descending order

290 papers	15,427 citations	19657 61 h-index	26613 107 g-index
295 all docs	295 docs citations	295 times ranked	22847 citing authors

#	Article	IF	Citations
1	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, 11473-11478.	7.1	733
2	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.	30.7	581
3	High-throughput screening assays for the identification of chemical probes. Nature Chemical Biology, 2007, 3, 466-479.	8.0	555
4	Phenotypic screens as a renewed approach for drug discovery. Drug Discovery Today, 2013, 18, 1067-1073.	6.4	363
5	Application of Real-Time Cell Electronic Sensing (RT-CES) Technology to Cell-Based Assays. Assay and Drug Development Technologies, 2004, 2, 363-372.	1.2	343
6	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.	11.1	314
7	Drug combination therapy increases successful drug repositioning. Drug Discovery Today, 2016, 21, 1189-1195.	6.4	284
8	VEGFR-3 controls tip to stalk conversion at vessel fusion sites by reinforcing Notch signalling. Nature Cell Biology, 2011, 13, 1202-1213.	10.3	272
9	Folding non-homologous proteins by coupling deep-learning contact maps with I-TASSER assembly simulations. Cell Reports Methods, 2021, 1, 100014.	2.9	272
10	Inhibition of the Mitochondrial Protease ClpP as a Therapeutic Strategy for Human Acute Myeloid Leukemia. Cancer Cell, 2015, 27, 864-876.	16.8	265
11	Lymphangiogenic factors, mechanisms, and applications. Journal of Clinical Investigation, 2014, 124, 878-887.	8.2	257
12	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.	3.7	242
13	CircRNA-SORE mediates sorafenib resistance in hepatocellular carcinoma by stabilizing YBX1. Signal Transduction and Targeted Therapy, 2020, 5, 298.	17.1	225
14	Identification of 53 compounds that block Ebola virus-like particle entry via a repurposing screen of approved drugs. Emerging Microbes and Infections, 2014, 3, 1-7.	6.5	200
15	Impact of mRNA chemistry and manufacturing process on innate immune activation. Science Advances, 2020, 6, eaaz6893.	10.3	195
16	A New Glucocerebrosidase Chaperone Reduces Â-Synuclein and Glycolipid Levels in iPSC-Derived Dopaminergic Neurons from Patients with Gaucher Disease and Parkinsonism. Journal of Neuroscience, 2016, 36, 7441-7452.	3.6	189
17	Drug repurposing screens and synergistic drugâ€combinations for infectious diseases. British Journal of Pharmacology, 2018, 175, 181-191.	5.4	181
18	Deepâ€learning contactâ€map guided protein structure prediction in CASP13. Proteins: Structure, Function and Bioinformatics, 2019, 87, 1149-1164.	2.6	180

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19	<scp>VEGF</scp> â€€ is required for intestinal lymphatic vessel maintenance and lipid absorption. EMBO Molecular Medicine, 2015, 7, 1418-1425.	6.9	179
20	Heparan sulfate assists SARS-CoV-2 in cell entry and can be targeted by approved drugs in vitro. Cell Discovery, 2020, 6, 80.	6.7	172
21	Increased Expression of the Cardiac L-type Calcium Channel in Estrogen Receptorâ€“deficient Mice. Journal of General Physiology, 1997, 110, 135-140.	1.9	165
22	Identification of SARS-CoV-2 3CL Protease Inhibitors by a Quantitative High-Throughput Screening. ACS Pharmacology and Translational Science, 2020, 3, 1008-1016.	4.9	162
23	Elabela-Apelin Receptor Signaling Pathway is Functional in Mammalian Systems. Scientific Reports, 2015, 5, 8170.	3.3	156
24	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. Nucleic Acids Research, 2016, 44, 8610-8620.	14.5	155
25	DeepMSA: constructing deep multiple sequence alignment to improve contact prediction and fold-recognition for distant-homology proteins. Bioinformatics, 2020, 36, 2105-2112.	4.1	147
26	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, 13192-13197.	7.1	139
27	RNA-Dependent RNA Polymerase as a Target for COVID-19 Drug Discovery. SLAS Discovery, 2020, 25, 1141-1151.	2.7	131
28	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. Cell Discovery, 2018, 4, 31.	6.7	128
29	A Robotic Platform for Quantitative High-Throughput Screening. Assay and Drug Development Technologies, 2008, 6, 637-657.	1.2	126
30	Identification and Characterization of Small Molecule Functional Antagonists of the CCR1 Chemokine Receptor. Journal of Biological Chemistry, 1998, 273, 15687-15692.	3.4	123
31	High Throughput Assay Technologies for Ion Channel Drug Discovery. Assay and Drug Development Technologies, 2004, 2, 543-552.	1.2	120
32	Effective Suppression of Vascular Network Formation by Combination of Antibodies Blocking VEGFR Ligand Binding and Receptor Dimerization. Cancer Cell, 2010, 18, 630-640.	16.8	119
33	LOMETS2: improved meta-threading server for fold-recognition and structure-based function annotation for distant-homology proteins. Nucleic Acids Research, 2019, 47, W429-W436.	14.5	118
34	Notch restricts lymphatic vessel sprouting induced by vascular endothelial growth factor. Blood, 2011, 118, 1154-1162.	1.4	116
35	Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. Genes and Development, 2014, 28, 1592-1603.	5.9	115
36	Discovery, Structureâ€“Activity Relationship, and Biological Evaluation of Noninhibitory Small Molecule Chaperones of Glucocerebrosidase. Journal of Medicinal Chemistry, 2012, 55, 5734-5748.	6.4	113

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37	Identification of benzodiazepine Ro5-3335 as an inhibitor of CBF leukemia through quantitative high throughput screen against RUNX1â€“CBFÎ² interaction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14592-14597.	7.1	108
38	Collaborative Development of 2-Hydroxypropyl-β-Cyclodextrin for the Treatment of Niemann-Pick Type C1 Disease. Current Topics in Medicinal Chemistry, 2014, 14, 330-339.	2.1	108
39	Î´-Tocopherol Reduces Lipid Accumulation in Niemann-Pick Type C1 and Wolman Cholesterol Storage Disorders. Journal of Biological Chemistry, 2012, 287, 39349-39360.	3.4	107
40	BindProfX: Assessing Mutation-Induced Binding Affinity Change by Protein Interface Profiles with Pseudo-Counts. Journal of Molecular Biology, 2017, 429, 426-434.	4.2	107
41	Carbon Dots for Efficient Small Interfering RNA Delivery and Gene Silencing in Plants. Plant Physiology, 2020, 184, 647-657.	4.8	107
42	Cardiac Glycosides Inhibit p53 Synthesis by a Mechanism Relieved by Src or MAPK Inhibition. Cancer Research, 2009, 69, 6556-6564.	0.9	105
43	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, 12471-12476.	7.1	102
44	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.	3.3	96
45	Macrophage Models of Gaucher Disease for Evaluating Disease Pathogenesis and Candidate Drugs. Science Translational Medicine, 2014, 6, 240ra73.	12.4	94
46	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.	4.9	94
47	Chemical signatures and new drug targets for gametocytocidal drug development. Scientific Reports, 2014, 4, 3743.	3.3	89
48	Effects of SARSâ€CoVâ€2 mutations on protein structures and intraviral proteinâ€“protein interactions. Journal of Medical Virology, 2021, 93, 2132-2140.	5.0	85
49	Drug Discovery Strategies for SARS-CoV-2. Journal of Pharmacology and Experimental Therapeutics, 2020, 375, 127-138.	2.5	83
50	Scintillation proximity assay of inositol phosphates in cell extracts: High-throughput measurement of G-protein-coupled receptor activation. Analytical Biochemistry, 2003, 313, 311-318.	2.4	82
51	I-TASSER gateway: A protein structure and function prediction server powered by XSEDE. Future Generation Computer Systems, 2019, 99, 73-85.	7.5	80
52	Induction and reversal of myotonic dystrophy type 1 pre-mRNA splicing defects by small molecules. Nature Communications, 2013, 4, 2044.	12.8	76
53	Synergistic drug combination effectively blocks Ebola virus infection. Antiviral Research, 2017, 137, 165-172.	4.1	75
54	The SARS-CoV-2 Cytopathic Effect Is Blocked by Lysosome Alkalizing Small Molecules. ACS Infectious Diseases, 2021, 7, 1389-1408.	3.8	74

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55	Niemannâ€“Pick Disease Type C: Induced Pluripotent Stem Cellâ€“Derived Neuronal Cells for Modeling Neural Disease and Evaluating Drug Efficacy. Journal of Biomolecular Screening, 2014, 19, 1164-1173.	2.6	73
56	Methyl-Î²-cyclodextrin restores impaired autophagy flux in Niemann-Pick C1-deficient cells through activation of AMPK. Autophagy, 2017, 13, 1435-1451.	9.1	73
57	Improving high-impact bug report prediction with combination of interactive machine learning and active learning. Information and Software Technology, 2021, 133, 106530.	4.4	73
58	Compound Management for Quantitative High-Throughput Screening. Journal of the Association for Laboratory Automation, 2008, 13, 79-89.	2.8	72
59	Data Quality Matters: A Case Study on Data Label Correctness for Security Bug Report Prediction. IEEE Transactions on Software Engineering, 2022, 48, 2541-2556.	5.6	71
60	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, 800-808.	3.3	70
61	Deducing high-accuracy protein contact-maps from a triplet of coevolutionary matrices through deep residual convolutional networks. PLoS Computational Biology, 2021, 17, e1008865.	3.2	70
62	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, 1551-1562.	2.9	69
63	Drug Repurposing Screen for Compounds Inhibiting the Cytopathic Effect of SARS-CoV-2. Frontiers in Pharmacology, 2020, 11, 592737.	3.5	69
64	Drug combination therapy for emerging viral diseases. Drug Discovery Today, 2021, 26, 2367-2376.	6.4	65
65	A Comparative Study of Class Rebalancing Methods for Security Bug Report Classification. IEEE Transactions on Reliability, 2021, 70, 1658-1670.	4.6	65
66	Drug discovery and development for rare genetic disorders. American Journal of Medical Genetics, Part A, 2017, 173, 2307-2322.	1.2	64
67	Induced pluripotent stem cells for neural drug discovery. Drug Discovery Today, 2019, 24, 992-999.	6.4	63
68	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, 30-38.	2.4	62
69	High Throughput Screening for Small Molecule Therapy for Gaucher Disease Using Patient Tissue as the Source of Mutant Glucocerebrosidase. PLoS ONE, 2012, 7, e29861.	2.5	62
70	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.	5.0	61
71	DUOXA1-mediated ROS production promotes cisplatin resistance by activating ATR-Chk1 pathway in ovarian cancer. Cancer Letters, 2018, 428, 104-116.	7.2	60
72	Quantitative High-Throughput Screening Using a Live-Cell cAMP Assay Identifies Small-Molecule Agonists of the TSH Receptor. Journal of Biomolecular Screening, 2008, 13, 120-127.	2.6	59

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73	Evaluation of Quinazoline Analogues as Glucocerebrosidase Inhibitors with Chaperone Activity. Journal of Medicinal Chemistry, 2011, 54, 1033-1058.	6.4	59
74	Rapid antimicrobial susceptibility test for identification of new therapeutics and drug combinations against multidrug-resistant bacteria. Emerging Microbes and Infections, 2016, 5, 1-11.	6.5	59
75	MetaGO: Predicting Gene Ontology of Non-homologous Proteins Through Low-Resolution Protein Structure Prediction and Proteinâ€“Protein Network Mapping. Journal of Molecular Biology, 2018, 430, 2256-2265.	4.2	58
76	Zika Virus: Origins, Pathological Action, and Treatment Strategies. Frontiers in Microbiology, 2018, 9, 3252.	3.5	58
77	Systemic Medication Associations with Presumed Advanced or Uncontrolled Primary Open-Angle Glaucoma. Ophthalmology, 2018, 125, 984-993.	5.2	56
78	Metarrestin, a perinucleolar compartment inhibitor, effectively suppresses metastasis. Science Translational Medicine, 2018, 10, .	12.4	55
79	A Cell-Based Ultra-High-Throughput Screening Assay for Identifying Inhibitors of D-Amino Acid Oxidase. Journal of Biomolecular Screening, 2006, 11, 481-487.	2.6	54
80	Identification and optimization of small-molecule agonists of the human relaxin hormone receptor RXFP1. Nature Communications, 2013, 4, 1953.	12.8	54
81	Protein structure prediction using deep learning distance and hydrogenâ€bonding restraints in <scp>CASP14</scp>. Proteins: Structure, Function and Bioinformatics, 2021, 89, 1734-1751.	2.6	53
82	Structural Basis for Inactivation of Giardia lamblia Carbamate Kinase by Disulfiram. Journal of Biological Chemistry, 2014, 289, 10502-10509.	3.4	51
83	A Phenotypic Compound Screening Assay for Lysosomal Storage Diseases. Journal of Biomolecular Screening, 2014, 19, 168-175.	2.6	51
84	Improving therapy of severe infections through drug repurposing of synergistic combinations. Current Opinion in Pharmacology, 2019, 48, 92-98.	3.5	51
85	Two high-throughput screening assays for aberrant RNAâ€“protein interactions in myotonic dystrophy type 1. Analytical and Bioanalytical Chemistry, 2012, 402, 1889-1898.	3.7	49
86	An AlphaScreenâ„¢-Based High-Throughput Screen to Identify Inhibitors of Hsp90-Cochaperone Interaction. Journal of Biomolecular Screening, 2009, 14, 273-281.	2.6	47
87	Cryo-EM structure of the human MLL1 core complex bound to the nucleosome. Nature Communications, 2019, 10, 5540.	12.8	47
88	Lomofungin and dilomofungin: inhibitors of MBNL1-CUG RNA binding with distinct cellular effects. Nucleic Acids Research, 2014, 42, 6591-6602.	14.5	46
89	A quantitative high throughput assay for identifying gametocytocidal compounds. Molecular and Biochemical Parasitology, 2013, 188, 20-25.	1.1	45
90	Detecting distant-homology protein structures by aligning deep neural-network based contact maps. PLoS Computational Biology, 2019, 15, e1007411.	3.2	45

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91	FUpred: detecting protein domains through deep-learning-based contact map prediction. Bioinformatics, 2020, 36, 3749-3757.	4.1	44
92	Improving fragment-based ab initio protein structure assembly using low-accuracy contact-map predictions. Nature Communications, 2021, 12, 5011.	12.8	44
93	High-ThroughputGiardia lambliaViability Assay Using Bioluminescent ATP Content Measurements. Antimicrobial Agents and Chemotherapy, 2011, 55, 667-675.	3.2	43
94	Astrocytes as targets for drug discovery. Drug Discovery Today, 2018, 23, 673-680.	6.4	43
95	Fabry Disease â€“ Current Treatment and New Drug Development. Current Chemical Genomics, 2010, 4, 50-56.	2.0	42
96	SSIPe: accurately estimating proteinâ€“protein binding affinity change upon mutations using evolutionary profiles in combination with an optimized physical energy function. Bioinformatics, 2020, 36, 2429-2437.	4.1	42
97	Discovery, Synthesis, and Biological Evaluation of Novel SMN Protein Modulators. Journal of Medicinal Chemistry, 2011, 54, 6215-6233.	6.4	38
98	Biological activity-based modeling identifies antiviral leads against SARS-CoV-2. Nature Biotechnology, 2021, 39, 747-753.	17.5	38
99	ERK Regulates HIF1Î±-Mediated Platinum Resistance by Directly Targeting PHD2 in Ovarian Cancer. Clinical Cancer Research, 2019, 25, 5947-5960.	7.0	37
100	Repurposing Screen Identifies Unconventional Drugs With Activity Against Multidrug Resistant Acinetobacter baumannii. Frontiers in Cellular and Infection Microbiology, 2018, 8, 438.	3.9	37
101	Application of Division Arrest Technology to Cell-Based HTS: Comparison with Frozen and Fresh Cells. Assay and Drug Development Technologies, 2005, 3, 17-26.	1.2	36
102	Role of synectin in lymphatic development in zebrafish and frogs. Blood, 2010, 116, 3356-3366.	1.4	36
103	Optimization and Validation of Two Miniaturized Glucocerebrosidase Enzyme Assays for High Throughput Screening. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 817-824.	1.1	35
104	Treatment Paradigms for Retinal and Macular Diseases Using 3-D Retina Cultures Derived From Human Reporter Pluripotent Stem Cell Lines. , 2016, 57, ORSFl1.		35
105	mRNA therapy restores euglycemia and prevents liver tumors in murine model of glycogen storage disease. Nature Communications, 2021, 12, 3090.	12.8	35
106	Identification of quaternary ammonium compounds as potent inhibitors of hERG potassium channels. Toxicology and Applied Pharmacology, 2011, 252, 250-258.	2.8	34
107	Disease models for the development of therapies for lysosomal storage diseases. Annals of the New York Academy of Sciences, 2016, 1371, 15-29.	3.8	34
108	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, 426-441.	4.3	34

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109	Neural stem cells for disease modeling and evaluation of therapeutics for Tay-Sachs disease. Orphanet Journal of Rare Diseases, 2018, 13, 152.	2.7	34
110	Quantitative high-throughput screening identifies inhibitors of anthrax-induced cell death. Bioorganic and Medicinal Chemistry, 2009, 17, 5139-5145.	3.0	33
111	Identification of a Selective Small-Molecule Inhibitor Series Targeting the Eyes Absent 2 (Eya2) Phosphatase Activity. Journal of Biomolecular Screening, 2013, 18, 85-96.	2.6	33
112	Discovery of Novel Antigiardiasis Drug Candidates. Antimicrobial Agents and Chemotherapy, 2014, 58, 7303-7311.	3.2	33
113	Multi-objective optimisation for regression testing. Information Sciences, 2016, 334-335, 1-16.	6.9	33
114	Pluripotent Stem Cell Platforms for Drug Discovery. Trends in Molecular Medicine, 2018, 24, 805-820.	6.7	33
115	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. ACS Central Science, 2018, 4, 1727-1741.	11.3	32
116	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, 70-78.	2.0	32
117	Deletion of the Endothelial Bmx Tyrosine Kinase Decreases Tumor Angiogenesis and Growth. Cancer Research, 2012, 72, 3512-3521.	0.9	31
118	A high throughput glucocerebrosidase assay using the natural substrate glucosylceramide. Analytical and Bioanalytical Chemistry, 2012, 402, 731-739.	3.7	31
119	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, 13063-13068.	7.1	31
120	High-Throughput Phenotypic Screening of Human Astrocytes to Identify Compounds That Protect Against Oxidative Stress. Stem Cells Translational Medicine, 2016, 5, 613-627.	3.3	31
121	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.	2.7	31
122	A 1,536-Well cAMP Assay for Gs- and Gi-Coupled Receptors Using Enzyme Fragmentation Complementation. Assay and Drug Development Technologies, 2004, 2, 39-49.	1.2	30
123	Identification of small molecule antagonists of the human mas-related gene-X1 receptor. Analytical Biochemistry, 2006, 351, 50-61.	2.4	30
124	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, 5783-5789.	2.2	30
125	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.	3.2	30
126	Discovery, Optimization, and Characterization of Novel Chlorcyclizine Derivatives for the Treatment of Hepatitis C Virus Infection. Journal of Medicinal Chemistry, 2016, 59, 841-853.	6.4	30

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127	Fluorescent Proteinâ€Based Cellular Assays Analyzed by Laserâ€Scanning Microplate Cytometry in 1536â€Well Plate Format. Methods in Enzymology, 2006, 414, 566-589.	1.0	29
128	A Multiplex Calcium Assay for Identification of GPCR Agonists and Antagonists. Assay and Drug Development Technologies, 2010, 8, 362-374.	1.2	29
129	ERK and Î²-Arrestin Interaction: A Converging Point of Signaling Pathways for Multiple Types of Cell Surface Receptors. Journal of Biomolecular Screening, 2015, 20, 341-349.	2.6	29
130	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.	3.3	29
131	Quantitative highâ€throughput screening identifies cytoprotective molecules that enhance SUMO conjugation via the inhibition of SUMOâ€specific protease (SENP)2. FASEB Journal, 2018, 32, 1677-1691.	0.5	29
132	Saracatinib is an efficacious clinical candidate for fibrodysplasia ossificans progressiva. JCI Insight, 2021, 6, .	5.0	29
133	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.	3.4	29
134	Domain knowledge-based security bug reports prediction. Knowledge-Based Systems, 2022, 241, 108293.	7.1	29
135	The Pilot Phase of the NIH Chemical Genomics Center. Current Topics in Medicinal Chemistry, 2009, 9, 1181-1193.	2.1	28
136	Discovery of a Novel Noniminosugar Acid Î± Glucosidase Chaperone Series. Journal of Medicinal Chemistry, 2012, 55, 7546-7559.	6.4	27
137	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, 10132-10142.	3.6	27
138	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, 670-677.	2.6	27
139	Discovery, Optimization, and Characterization of Novel D₂ Dopamine Receptor Selective Antagonists. Journal of Medicinal Chemistry, 2014, 57, 3450-3463.	6.4	27
140	A High-Throughput Screening Assay for Fungicidal Compounds against Cryptococcus neoformans. Journal of Biomolecular Screening, 2014, 19, 270-277.	2.6	27
141	Advancing precision medicine with personalized drug screening. Drug Discovery Today, 2019, 24, 272-278.	6.4	27
142	Zika Virus-Induced Neuronal Apoptosis via Increased Mitochondrial Fragmentation. Frontiers in Microbiology, 2020, 11, 598203.	3.5	27
143	Miniaturization of a Hepatitis C Virus RNA Polymerase Assay Using a â˜’102Â°C Cooled CCD Camera-Based Imaging System. Analytical Biochemistry, 2001, 290, 214-220.	2.4	26
144	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.	6.4	26

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145	Improved Species-Specific Lysine Acetylation Site Prediction Based on a Large Variety of Features Set. PLoS ONE, 2016, 11, e0155370.	2.5	26
146	Automated High-Content Screening for Compounds That Disassemble the Perinucleolar Compartment. Journal of Biomolecular Screening, 2009, 14, 1045-1053.	2.6	25
147	Selective Modulation of Gq/Gs pathways by Naphtho Pyrano Pyrimidines As Antagonists of the Neuropeptide S Receptor. ACS Chemical Neuroscience, 2010, 1, 559-574.	3.5	25
148	Mining of high throughput screening database reveals AP-1 and autophagy pathways as potential targets for COVID-19 therapeutics. Scientific Reports, 2021, 11, 6725.	3.3	25
149	Progressive assembly of multi-domain protein structures from cryo-EM density maps. Nature Computational Science, 2022, 2, 265-275.	8.0	25
150	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, 1880-1897.	5.5	24
151	CVE-assisted large-scale security bug report dataset construction method. Journal of Systems and Software, 2020, 160, 110456.	4.5	24
152	A new resorufin-based Î±-glucosidase assay for high-throughput screening. Analytical Biochemistry, 2009, 390, 79-84.	2.4	23
153	High-Throughput Screening, Discovery, and Optimization To Develop a Benzofuran Class of Hepatitis C Virus Inhibitors. ACS Combinatorial Science, 2015, 17, 641-652.	3.8	23
154	A large-scale comparative assessment of methods for residueâ€“residue contact prediction. Briefings in Bioinformatics, 2016, 19, bbw106.	6.5	23
155	Maduramicin Rapidly Eliminates Malaria Parasites and Potentiates the Gametocytocidal Activity of the Pyrazoleamide PA21A050. Antimicrobial Agents and Chemotherapy, 2016, 60, 1492-1499.	3.2	23
156	Memory-Enhanced Dynamic Multi-Objective Evolutionary Algorithm Based on Lp Decomposition. Applied Sciences (Switzerland), 2018, 8, 1673.	2.5	23
157	Patient iPSC-derived neural stem cells exhibit phenotypes in concordance with the clinical severity of mucopolysaccharidosis I. Human Molecular Genetics, 2018, 27, 3612-3626.	2.9	23
158	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.	3.7	23
159	Protein interâ€residue contact and distance prediction by coupling complementary coevolution features with deep residual networks in <scp>CASP14</scp>. Proteins: Structure, Function and Bioinformatics, 2021, 89, 1911-1921.	2.6	23
160	Rapid Identification of Antifungal Compounds against Exserohilum rostratum Using High Throughput Drug Repurposing Screens. PLoS ONE, 2013, 8, e70506.	2.5	23
161	Multi-Gram Scale Synthesis of FR180204. Journal of Organic Chemistry, 2009, 74, 8870-8873.	3.2	22
162	Non-iminosugar glucocerebrosidase small molecule chaperones. MedChemComm, 2012, 3, 56-60.	3.4	22

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163	An Alternative Direct Compound Dispensing Method Using the HP D300 Digital Dispenser. Journal of the Association for Laboratory Automation, 2013, 18, 367-374.	2.8	22
164	Structural interaction between DISC1 and ATF4 underlying transcriptional and synaptic dysregulation in an iPSC model of mental disorders. Molecular Psychiatry, 2021, 26, 1346-1360.	7.9	22
165	High-Throughput Multiplexed Quantitation of Protein Aggregation and Cytotoxicity in a Huntingtonâ€™s Disease Model. Current Chemical Genomics, 2012, 6, 79-86.	2.0	22
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