Ajit Jadhav

List of Publications by Year in Descending Order

153 papers	10,000 citations	51 h-index	97 g-index
163 ext. papers	12,252 ext. citations	7.4 avg, IF	5.39 L-index

#	Paper	IF	Citations
153	A platform of assays for the discovery of anti-Zika small-molecules with activity in a 3D-bioprinted outer-blood-retina model.. *PLoS ONE*, **2022**, 17, e0261821	3.7	1
152	Discovery and Optimization of 2-1Pyridin-2-one Inhibitors of Mutant Isocitrate Dehydrogenase 1 for the Treatment of Cancer. *Journal of Medicinal Chemistry*, **2021**, 64, 4913-4946	8.3	3
151	FEN1 Blockade for Platinum Chemo-Sensitization and Synthetic Lethality in Epithelial Ovarian Cancers. *Cancers*, **2021**, 13,	6.6	5
150	A target-agnostic screen identifies approved drugs to stabilize the endoplasmic reticulum-resident proteome. *Cell Reports*, **2021**, 35, 109040	10.6	3
149	Optimization of ether and aniline based inhibitors of lactate dehydrogenase. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 41, 127974	2.9	2
148	Identification of Small Molecule Inhibitors of a Mir155 Transcriptional Reporter in Th17 Cells. *Scientific Reports*, **2021**, 11, 11498	4.9	1
147	Kinetic and structural investigations of novel inhibitors of human epithelial 15-lipoxygenase-2. *Bioorganic and Medicinal Chemistry*, **2021**, 46, 116349	3.4	1
146	The AKT modulator A-443654 reduces Synuclein expression and normalizes ER stress and autophagy. *Journal of Biological Chemistry*, **2021**, 297, 101191	5.4	0
145	Chemoprotective antimalarials identified through quantitative high-throughput screening of Plasmodium blood and liver stage parasites. *Scientific Reports*, **2021**, 11, 2121	4.9	7
144	Optimization of High-Throughput Methyltransferase Assays for the Discovery of Small Molecule Inhibitors. *ACS Combinatorial Science*, **2020**, 22, 422-432	3.9	7
143	A high-throughput screening platform for Polycystic Kidney Disease (PKD) drug repurposing utilizing murine and human ADPKD cells. *Scientific Reports*, **2020**, 10, 4203	4.9	9
142	Endonuclease FEN1 Coregulates ERActivity and Provides a Novel Drug Interface in Tamoxifen-Resistant Breast Cancer. *Cancer Research*, **2020**, 80, 1914-1926	10.1	10
141	Anxiolytic Drug FGIN-1-27 Ameliorates Autoimmunity by Metabolic Reprogramming of Pathogenic Th17 Cells. *Scientific Reports*, **2020**, 10, 3766	4.9	5
140	Characterization of Lead Compounds Targeting the Selenoprotein Thioredoxin Glutathione Reductase for Treatment of Schistosomiasis. *ACS Infectious Diseases*, **2020**, 6, 393-405	5.5	13
139	Identification of Small Molecule Enhancers of Immunotherapy for Melanoma. *Scientific Reports*, **2020**, 10, 5688	4.9	4
138	Dynamic Imaging of LDH Inhibition in Tumors Reveals Rapid InVivo Metabolic Rewiring and Vulnerability to Combination Therapy. *Cell Reports*, **2020**, 30, 1798-1810.e4	10.6	32
137	A Comparative Study of Target Engagement Assays for HDAC1 Inhibitor Profiling. *SLAS Discovery*, **2020**, 25, 253-264	3.4	4

136	Therapeutic candidates for the Zika virus identified by a high-throughput screen for Zika protease inhibitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 31365-31375	11.5	14
135	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. *Journal of Medicinal Chemistry*, **2020**, 63, 10984-11011	8.3	12
134	Identification of Activators of Human Fumarate Hydratase by Quantitative High-Throughput Screening. *SLAS Discovery*, **2020**, 25, 43-56	3.4	1
133	A novel P300 inhibitor reverses DUX4-mediated global histone H3 hyperacetylation, target gene expression, and cell death. *Science Advances*, **2019**, 5, eaaw7781	14.3	28
132	The NCATS BioPlanet - An Integrated Platform for Exploring the Universe of Cellular Signaling Pathways for Toxicology, Systems Biology, and Chemical Genomics. *Frontiers in Pharmacology*, **2019** , 10, 445	5.6	73
131	Lead optimization and efficacy evaluation of quinazoline-based BET family inhibitors for potential treatment of cancer and inflammatory diseases. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 1220-1226	2.9	6
130	A high-throughput screen to identify novel small molecule inhibitors of the Werner Syndrome Helicase-Nuclease (WRN). *PLoS ONE*, **2019**, 14, e0210525	3.7	13
129	Unexplored therapeutic opportunities in the human genome. *Nature Reviews Drug Discovery*, **2018**, 17, 317-332	64.1	156
128	Irreversible inhibition of cytosolic thioredoxin reductase 1 as a mechanistic basis for anticancer therapy. *Science Translational Medicine*, **2018**, 10,	17.5	106
127	Chemical Control of a CRISPR-Cas9 Acetyltransferase. *ACS Chemical Biology*, **2018**, 13, 455-460	4.9	21
126	Insights into the Action of Inhibitor Enantiomers against Histone Lysine Demethylase 5A. *Journal of Medicinal Chemistry*, **2018**, 61, 3193-3208	8.3	7
125	KDM5 histone demethylases repress immune response via suppression of STING. *PLoS Biology*, **2018**, 16, e2006134	9.7	54
124	Quantitative high-throughput phenotypic screening of pediatric cancer cell lines identifies multiple opportunities for drug repurposing. *Oncotarget*, **2018**, 9, 4758-4772	3.3	9
123	Molecular basis for activation of lecithin:cholesterol acyltransferase by a compound that increases HDL cholesterol. *ELife*, **2018**, 7,	8.9	16
122	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
121	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. *ACS Central Science*, **2018**, 4, 1727-1741	16.8	26
120	Structure-Based Engineering of Irreversible Inhibitors against Histone Lysine Demethylase KDM5A. *Journal of Medicinal Chemistry*, **2018**, 61, 10588-10601	8.3	17
119	Discovery and lead identification of quinazoline-based BRD4 inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 3483-3488	2.9	9

118	Fragment-Based Discovery of a Regulatory Site in Thioredoxin Glutathione Reductase Acting as "Doorstop" for NADPH Entry. *ACS Chemical Biology*, **2018**, 13, 2190-2202	4.9	14
117	Discovery of Orally Bioavailable, Quinoline-Based Aldehyde Dehydrogenase 1A1 (ALDH1A1) Inhibitors with Potent Cellular Activity. *Journal of Medicinal Chemistry*, **2018**, 61, 4883-4903	8.3	47
116	High-throughput screening with nucleosome substrate identifies small-molecule inhibitors of the human histone lysine methyltransferase NSD2. *Journal of Biological Chemistry*, **2018**, 293, 13750-13765	5.4	27
115	Pharos: Collating protein information to shed light on the druggable genome. *Nucleic Acids Research*, **2017**, 45, D995-D1002	20.1	146
114	Lecithin:Cholesterol Acyltransferase Activation by Sulfhydryl-Reactive Small Molecules: Role of Cysteine-31. *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 362, 306-318	4.7	21
113	Varied Role of Ubiquitylation in Generating MHC Class I Peptide Ligands. *Journal of Immunology*, **2017**, 198, 3835-3845	5.3	22
112	Highly predictive and interpretable models for PAMPA permeability. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 1266-1276	3.4	42
111	Assessing inhibitors of mutant isocitrate dehydrogenase using a suite of pre-clinical discovery assays. *Scientific Reports*, **2017**, 7, 12758	4.9	41
110	A High-Content Assay Enables the Automated Screening and Identification of Small Molecules with Specific ALDH1A1-Inhibitory Activity. *PLoS ONE*, **2017**, 12, e0170937	3.7	16
109	Cell Lysate-Based AlphaLISA Deubiquitinase Assay Platform for Identification of Small Molecule Inhibitors. *ACS Chemical Biology*, **2017**, 12, 2399-2407	4.9	7
108	Parallel Chemistry Approach to Identify Novel Nuclear Receptor Ligands Based on the GW0742 Scaffold. *ACS Combinatorial Science*, **2017**, 19, 646-656	3.9	3
107	First Selective 12-LOX Inhibitor, ML355, Impairs Thrombus Formation and Vessel Occlusion In Vivo With Minimal Effects on Hemostasis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 1828-1839	8.4	47
106	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). *Journal of Medicinal Chemistry*, **2017**, 60, 9184-9204	8.3	67
105	Connecting Neuronal Cell Protective Pathways and Drug Combinations in a Huntington's Disease Model through the Application of Quantitative Systems Pharmacology. *Scientific Reports*, **2017**, 7, 17803	4.9	13
104	Microfluidic Mobility Shift Profiling of Lysine Acetyltransferases Enables Screening and Mechanistic Analysis of Cellular Acetylation Inhibitors. *ACS Chemical Biology*, **2016**, 11, 734-41	4.9	13
103	A high-throughput small molecule screen identifies synergism between DNA methylation and Aurora kinase pathways for X reactivation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14366-14371	11.5	17
102	Structural Basis for KDM5A Histone Lysine Demethylase Inhibition by Diverse Compounds. *Cell Chemical Biology*, **2016**, 23, 769-781	8.2	57
101	Inhibitors of the apurinic/apyrimidinic endonuclease 1 (APE1)/nucleophosmin (NPM1) interaction that display anti-tumor properties. *Molecular Carcinogenesis*, **2016**, 55, 688-704	5	48

100	AlphaScreen-Based Assays: Ultra-High-Throughput Screening for Small-Molecule Inhibitors of Challenging Enzymes and Protein-Protein Interactions. *Methods in Molecular Biology*, **2016**, 1439, 77-98	1.4	69
99	Fluorescence polarization assays in high-throughput screening and drug discovery: a review. *Methods and Applications in Fluorescence*, **2016**, 4, 022001	3.1	102
98	Biochemical and Cellular Characterization and Inhibitor Discovery of Pseudomonas aeruginosa 15-Lipoxygenase. *Biochemistry*, **2016**, 55, 3329-40	3.2	17
97	A potent and selective inhibitor targeting human and murine 12/15-LOX. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 1183-90	3.4	13
96	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. *PLoS Pathogens*, **2016**, 12, e1005763	7.6	167
95	A High-Throughput Screen Identifies 2,9-Diazaspiro[5.5]Undecanes as Inducers of the Endoplasmic Reticulum Stress Response with Cytotoxic Activity in 3D Glioma Cell Models. *PLoS ONE*, **2016**, 11, e0161486	3.7	5
94	Kinetic, Mutational, and Structural Studies of the Venezuelan Equine Encephalitis Virus Nonstructural Protein 2 Cysteine Protease. *Biochemistry*, **2016**, 55, 3007-19	3.2	19
93	Large-Scale Screening and Identification of Novel Ebola Virus and Marburg Virus Entry Inhibitors. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 4471-81	5.9	38
92	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. *Nature Biotechnology*, **2016**, 34, 828-837	44.5	1566
91	Discovery of NCT-501, a Potent and Selective Theophylline-Based Inhibitor of Aldehyde Dehydrogenase 1A1 (ALDH1A1). *Journal of Medicinal Chemistry*, **2015**, 58, 5967-78	8.3	38
90	Selective inhibition of 12-lipoxygenase protects islets and beta cells from inflammatory cytokine-mediated beta cell dysfunction. *Diabetologia*, **2015**, 58, 549-57	10.3	21
89	Drug-based modulation of endogenous stem cells promotes functional remyelination in vivo. *Nature*, **2015**, 522, 216-20	50.4	255
88	KDM4/JMJD2 Histone Demethylase Inhibitors Block Prostate Tumor Growth by Suppressing the Expression of AR and BMYB-Regulated Genes. *Chemistry and Biology*, **2015**, 22, 1185-96		51
87	Discovery of a novel general anesthetic chemotype using high-throughput screening. *Anesthesiology*, **2015**, 122, 325-33	4.3	14
86	Novel Phenotypic Outcomes Identified for a Public Collection of Approved Drugs from a Publicly Accessible Panel of Assays. *PLoS ONE*, **2015**, 10, e0130796	3.7	15
85	Advancing Biological Understanding and Therapeutics Discovery with Small-Molecule Probes. *Cell*, **2015**, 161, 1252-65	56.2	100
84	Quantitative high throughput screening using a primary human three-dimensional organotypic culture predicts in vivo efficacy. *Nature Communications*, **2015**, 6, 6220	17.4	118
83	A fluorescence-based high throughput assay for the determination of small molecule-human serum albumin protein binding. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 1867-75	4.4	23

82	Potent and selective inhibitors of human reticulocyte 12/15-lipoxygenase as anti-stroke therapies. *Journal of Medicinal Chemistry*, **2014**, 57, 4035-48	8.3	68
81	Synthesis and structure-activity relationship studies of 4-((2-hydroxy-3-methoxybenzyl)amino)benzenesulfonamide derivatives as potent and selective inhibitors of 12-lipoxygenase. *Journal of Medicinal Chemistry*, **2014**, 57, 495-506	8.3	53
80	Suppression of the FOXM1 transcriptional programme via novel small molecule inhibition. *Nature Communications*, **2014**, 5, 5165	17.4	121
79	Covalent small molecule inhibitors of Ca(2+)-bound S100B. *Biochemistry*, **2014**, 53, 6628-40	3.2	26
78	Synthesis and structure-activity relationship studies of N-benzyl-2-phenylpyrimidin-4-amine derivatives as potent USP1/UAF1 deubiquitinase inhibitors with anticancer activity against nonsmall cell lung cancer. *Journal of Medicinal Chemistry*, **2014**, 57, 8099-110	8.3	35
77	Biochemical assays for the discovery of TDP1 inhibitors. *Molecular Cancer Therapeutics*, **2014**, 13, 2116-26	6.1	17
76	4-(3-Chloro-5-(trifluoromethyl)pyridin-2-yl)-N-(4-methoxypyridin-2-yl)piperazine-1-carbothioamide (ML267), a potent inhibitor of bacterial phosphopantetheinyl transferase that attenuates secondary metabolism and thwarts bacterial growth. *Journal of Medicinal Chemistry*, **2014**, 57, 1063-78	8.3	29
75	A selective USP1-UAF1 inhibitor links deubiquitination to DNA damage responses. *Nature Chemical Biology*, **2014**, 10, 298-304	11.7	155
74	Structural insight into exosite binding and discovery of novel exosite inhibitors of botulinum neurotoxin serotype A through in silico screening. *Journal of Computer-Aided Molecular Design*, **2014**, 28, 765-78	4.2	13
73	Structure-activity relationship studies and biological characterization of human NAD(+)-dependent 15-hydroxyprostaglandin dehydrogenase inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 630-5	2.9	11
72	Identification of novel PARP inhibitors using a cell-based TDP1 inhibitory assay in a quantitative high-throughput screening platform. *DNA Repair*, **2014**, 21, 177-82	4.3	16
71	Genomic and protein expression analysis reveals flap endonuclease 1 (FEN1) as a key biomarker in breast and ovarian cancer. *Molecular Oncology*, **2014**, 8, 1326-38	7.9	77
70	Platelet 12-LOX is essential for FcRIIa-mediated platelet activation. *Blood*, **2014**, 124, 2271-9	2.2	50
69	High-throughput combinatorial screening identifies drugs that cooperate with ibrutinib to kill activated B-cell-like diffuse large B-cell lymphoma cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 2349-54	11.5	270
68	A high-throughput assay for small molecule destabilizers of the KRAS oncoprotein. *PLoS ONE*, **2014**, 9, e103836	3.7	16
67	A high throughput screen identifies potent and selective inhibitors to human epithelial 15-lipoxygenase-2. *PLoS ONE*, **2014**, 9, e104094	3.7	14
66	Targeting human apurinic/apyrimidinic endonuclease 1 (APE1) in phosphatase and tensin homolog (PTEN) deficient melanoma cells for personalized therapy. *Oncotarget*, **2014**, 5, 3273-86	3.3	37
65	A small molecule inhibitor of the BLM helicase modulates chromosome stability in human cells. *Chemistry and Biology*, **2013**, 20, 55-62		101

64	Disrupting malaria parasite AMA1-RON2 interaction with a small molecule prevents erythrocyte invasion. *Nature Communications*, **2013**, 4, 2261	17.4	71
63	Synthesis and SAR studies of 5-(pyridin-4-yl)-1,3,4-thiadiazol-2-amine derivatives as potent inhibitors of Bloom helicase. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 5660-6	2.9	23
62	Are hERG channel blockers also phospholipidosis inducers?. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 4587-90	2.9	26
61	3-substituted indole inhibitors against Francisella tularensis FabI identified by structure-based virtual screening. *Journal of Medicinal Chemistry*, **2013**, 56, 5275-87	8.3	14
60	Targeting the JMJD2 histone demethylases to epigenetically control herpesvirus infection and reactivation from latency. *Science Translational Medicine*, **2013**, 5, 167ra5	17.5	74
59	High-throughput identification of promiscuous inhibitors from screening libraries with the use of a thiol-containing fluorescent probe. *Journal of Biomolecular Screening*, **2013**, 18, 705-13		19
58	Peroxisome proliferation-activated receptor agonist GW0742 interacts weakly with multiple nuclear receptors, including the vitamin D receptor. *Biochemistry*, **2013**, 52, 4193-203	3.2	19
57	High-throughput screen identifies cyclic nucleotide analogs that inhibit prostatic acid phosphatase. *Journal of Biomolecular Screening*, **2013**, 18, 481-9		3
56	12-lipoxygenase activity plays an important role in PAR4 and GPVI-mediated platelet reactivity. *Thrombosis and Haemostasis*, **2013**, 110, 569-81	7	37
55	Inhibition of DNA glycosylases via small molecule purine analogs. *PLoS ONE*, **2013**, 8, e81667	3.7	29
54	Discovery of a novel dual fungal CYP51/human 5-lipoxygenase inhibitor: implications for anti-fungal therapy. *PLoS ONE*, **2013**, 8, e65928	3.7	14
53	Integration of pro-inflammatory cytokines, 12-lipoxygenase and NOX-1 in pancreatic islet beta cell dysfunction. *Molecular and Cellular Endocrinology*, **2012**, 358, 88-95	4.4	90
52	Oxadiazole 2-oxides are toxic to the human hookworm, Ancylostoma ceylanicum, however glutathione reductase is not the primary target. *International Journal for Parasitology: Drugs and Drug Resistance*, **2012**, 2, 171-177	4	9
51	A furoxan-amodiaquine hybrid as a potential therapeutic for three parasitic diseases(). *MedChemComm*, **2012**, 3, 1505-1511	5	14
50	Synthesis, biological evaluation, and structure-activity relationships of a novel class of apurinic/apyrimidinic endonuclease 1 inhibitors. *Journal of Medicinal Chemistry*, **2012**, 55, 3101-12	8.3	74
49	High-throughput 1,536-well fluorescence polarization assays for (1)-acid glycoprotein and human serum albumin binding. *PLoS ONE*, **2012**, 7, e45594	3.7	18
48	Protein kinase C regulation of 12-lipoxygenase-mediated human platelet activation. *Molecular Pharmacology*, **2012**, 81, 420-30	4.3	33
47	A comprehensive strategy to discover inhibitors of the translesion synthesis DNA polymerase *PLoS ONE*, **2012**, 7, e45032	3.7	28

46	Diverse small molecule inhibitors of human apurinic/apyrimidinic endonuclease APE1 identified from a screen of a large public collection. *PLoS ONE*, **2012**, 7, e47974	3.7	21
45	Dealing with the Data Deluge: Handling the Multitude Of Chemical Biology Data Sources. *Current Protocols in Chemical Biology*, **2012**, 4, 193-209	1.8	3
44	Discovery of potent and selective inhibitors of human platelet-type 12- lipoxygenase. *Journal of Medicinal Chemistry*, **2011**, 54, 5485-97	8.3	53
43	Inhibition of thioredoxin reductase 1 by porphyrins and other small molecules identified by a high-throughput screening assay. *Free Radical Biology and Medicine*, **2011**, 50, 1114-23	7.8	25
42	Selective and cell-active inhibitors of the USP1/ UAF1 deubiquitinase complex reverse cisplatin resistance in non-small cell lung cancer cells. *Chemistry and Biology*, **2011**, 18, 1390-400		149
41	Exploratory analysis of kinetic solubility measurements of a small molecule library. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 4127-34	3.4	20
40	The NCGC pharmaceutical collection: a comprehensive resource of clinically approved drugs enabling repurposing and chemical genomics. *Science Translational Medicine*, **2011**, 3, 80ps16	17.5	288
39	Quantitative high-throughput screening identifies 8-hydroxyquinolines as cell-active histone demethylase inhibitors. *PLoS ONE*, **2010**, 5, e15535	3.7	172
38	High-affinity inhibitors of human NAD-dependent 15-hydroxyprostaglandin dehydrogenase: mechanisms of inhibition and structure-activity relationships. *PLoS ONE*, **2010**, 5, e13719	3.7	22
37	Identification and optimization of inhibitors of Trypanosomal cysteine proteases: cruzain, rhodesain, and TbCatB. *Journal of Medicinal Chemistry*, **2010**, 53, 52-60	8.3	89
36	Quantitative analyses of aggregation, autofluorescence, and reactivity artifacts in a screen for inhibitors of a thiol protease. *Journal of Medicinal Chemistry*, **2010**, 53, 37-51	8.3	164
35	Complementarity between a docking and a high-throughput screen in discovering new cruzain inhibitors. *Journal of Medicinal Chemistry*, **2010**, 53, 4891-905	8.3	155
34	Protein lysine methyltransferase G9a inhibitors: design, synthesis, and structure activity relationships of 2,4-diamino-7-aminoalkoxy-quinazolines. *Journal of Medicinal Chemistry*, **2010**, 53, 5844-57	8.3	156
33	Discovery of potent and selective inhibitors of human reticulocyte 15-lipoxygenase-1. *Journal of Medicinal Chemistry*, **2010**, 53, 7392-404	8.3	59
32	A strategy to discover inhibitors of Bacillus subtilis surfactin-type phosphopantetheinyl transferase. *Molecular BioSystems*, **2010**, 6, 365-75		29
31	A miniaturized screen for inhibitors of Jumonji histone demethylases. *Molecular BioSystems*, **2010**, 6, 357-64		75
30	Preparation of FRET reporters to support chemical probe development. *Organic and Biomolecular Chemistry*, **2010**, 8, 4601-6	3.9	18
29	A highly potent and selective caspase 1 inhibitor that utilizes a key 3-cyanopropanoic acid moiety. *ChemMedChem*, **2010**, 5, 730-8	3.7	43

28	Inside Cover: A Highly Potent and Selective Caspase 1 Inhibitor that Utilizes a Key 3-Cyanopropanoic Acid Moiety (ChemMedChem 5/2010). *ChemMedChem*, **2010**, 5, 634-634	3.7	
27	A grid algorithm for high throughput fitting of dose-response curve data. *Current Chemical Genomics*, **2010**, 4, 57-66		83
26	Identification and characterization of inhibitors of human apurinic/apyrimidinic endonuclease APE1. *PLoS ONE*, **2009**, 4, e5740	3.7	82
25	The pilot phase of the NIH Chemical Genomics Center. *Current Topics in Medicinal Chemistry*, **2009**, 9, 1181-93	3	24
24	Weighted feature significance: a simple, interpretable model of compound toxicity based on the statistical enrichment of structural features. *Toxicological Sciences*, **2009**, 112, 385-93	4.4	31
23	Identification of phosphotyrosine mimetic inhibitors of human tyrosyl-DNA phosphodiesterase I by a novel AlphaScreen high-throughput assay. *Molecular Cancer Therapeutics*, **2009**, 8, 240-8	6.1	66
22	Discovery of a 2,4-diamino-7-aminoalkoxyquinazoline as a potent and selective inhibitor of histone lysine methyltransferase G9a. *Journal of Medicinal Chemistry*, **2009**, 52, 7950-3	8.3	184
21	Structure mechanism insights and the role of nitric oxide donation guide the development of oxadiazole-2-oxides as therapeutic agents against schistosomiasis. *Journal of Medicinal Chemistry*, **2009**, 52, 6474-83	8.3	66
20	A quantitative high-throughput screen for modulators of IL-6 signaling: a model for interrogating biological networks using chemical libraries. *Molecular BioSystems*, **2009**, 5, 1039-50		13
19	A high-throughput approach for identification of novel general anesthetics. *PLoS ONE*, **2009**, 4, e7150	3.7	16
18	A robotic platform for quantitative high-throughput screening. *Assay and Drug Development Technologies*, **2008**, 6, 637-57	2.1	111
17	Fluorescence spectroscopic profiling of compound libraries. *Journal of Medicinal Chemistry*, **2008**, 51, 2363-71	8.3	200
16	Characterization of chemical libraries for luciferase inhibitory activity. *Journal of Medicinal Chemistry*, **2008**, 51, 2372-86	8.3	161
15	Comprehensive mechanistic analysis of hits from high-throughput and docking screens against beta-lactamase. *Journal of Medicinal Chemistry*, **2008**, 51, 2502-11	8.3	136
14	Compound Management for Quantitative High-Throughput Screening. *Journal of the Association for Laboratory Automation*, **2008**, 13, 79-89		68
13	A 1,536-well-based kinetic HTS assay for inhibitors of Schistosoma mansoni thioredoxin glutathione reductase. *Assay and Drug Development Technologies*, **2008**, 6, 551-5	2.1	20
12	A high throughput fluorescence polarization assay for inhibitors of the GoLoco motif/G-alpha interaction. *Combinatorial Chemistry and High Throughput Screening*, **2008**, 11, 396-409	1.3	26
11	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

10	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
9	Quantitative high-throughput screen identifies inhibitors of the Schistosoma mansoni redox cascade. *PLoS Neglected Tropical Diseases*, **2008**, 2, e127	4.8	83
8	Compound cytotoxicity profiling using quantitative high-throughput screening. *Environmental Health Perspectives*, **2008**, 116, 284-91	8.4	211
7	Dual-fluorophore quantitative high-throughput screen for inhibitors of BRCT-phosphoprotein interaction. *Analytical Biochemistry*, **2008**, 375, 60-70	3.1	39
6	A quantitative high-throughput screen identifies potential epigenetic modulators of gene expression. *Analytical Biochemistry*, **2008**, 375, 237-48	3.1	30
5	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
4	A high-throughput screen for aggregation-based inhibition in a large compound library. *Journal of Medicinal Chemistry*, **2007**, 50, 2385-90	8.3	288
3	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
2	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
1	Small Molecule Inhibitors of the Human Histone Lysine Methyltransferase NSD2 / WHSC1 / MMSET Identified from a Quantitative High-Throughput Screen with Nucleosome Substrate		1