Ajit Jadhav

List of Publications by Year
in descending order

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155 papers	13,877 citations	25014 57 h-index	23514 111 g-index
163 all docs	163 docs citations	163 times ranked	21490 citing authors

#	Article	IF	Citations
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. Nature Biotechnology, 2016, 34, 828-837.	9.4	2,802
2	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.	3.3	733
3	The NCGC Pharmaceutical Collection: A Comprehensive Resource of Clinically Approved Drugs Enabling Repurposing and Chemical Genomics. Science Translational Medicine, 2011, 3, 80ps16.	5.8	359
4	High-throughput combinatorial screening identifies drugs that cooperate with ibrutinib to kill activated B-cellâ€“like diffuse large B-cell lymphoma cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2349-2354.	3.3	355
5	Drug-based modulation of endogenous stem cells promotes functional remyelination in vivo. Nature, 2015, 522, 216-220.	13.7	336
6	A High-Throughput Screen for Aggregation-Based Inhibition in a Large Compound Library. Journal of Medicinal Chemistry, 2007, 50, 2385-2390.	2.9	332
7	Pharos: Collating protein information to shed light on the druggable genome. Nucleic Acids Research, 2017, 45, D995-D1002.	6.5	271
8	Unexplored therapeutic opportunities in the human genome. Nature Reviews Drug Discovery, 2018, 17, 317-332.	21.5	263
9	Fluorescence Spectroscopic Profiling of Compound Libraries. Journal of Medicinal Chemistry, 2008, 51, 2363-2371.	2.9	247
10	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763.	2.1	244
11	Compound Cytotoxicity Profiling Using Quantitative High-Throughput Screening. Environmental Health Perspectives, 2008, 116, 284-291.	2.8	232
12	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.	2.9	213
13	A selective USP1â€“UAF1 inhibitor links deubiquitination to DNA damage responses. Nature Chemical Biology, 2014, 10, 298-304.	3.9	211
14	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, 7950-7953.	2.9	206
15	Complementarity Between a Docking and a High-Throughput Screen in Discovering New Cruzain Inhibitors. Journal of Medicinal Chemistry, 2010, 53, 4891-4905.	2.9	199
16	Quantitative High-Throughput Screening Identifies 8-Hydroxyquinolines as Cell-Active Histone Demethylase Inhibitors. PLoS ONE, 2010, 5, e15535.	1.1	194
17	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, 1390-1400.	6.2	183
18	Characterization of Chemical Libraries for Luciferase Inhibitory Activity. Journal of Medicinal Chemistry, 2008, 51, 2372-2386.	2.9	180

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19	The NCATS BioPlanet â€“ An Integrated Platform for Exploring the Universe of Cellular Signaling Pathways for Toxicology, Systems Biology, and Chemical Genomics. Frontiers in Pharmacology, 2019, 10, 445.	1.6	179
20	Protein Lysine Methyltransferase G9a Inhibitors: Design, Synthesis, and Structure Activity Relationships of 2,4-Diamino-7-aminoalkoxy-quinazolines.. Journal of Medicinal Chemistry, 2010, 53, 5844-5857.	2.9	177
21	Comprehensive Mechanistic Analysis of Hits from High-Throughput and Docking Screens against Î²-Lactamase. Journal of Medicinal Chemistry, 2008, 51, 2502-2511.	2.9	169
22	Quantitative high throughput screening using a primary human three-dimensional organotypic culture predicts in vivo efficacy. Nature Communications, 2015, 6, 6220.	5.8	168
23	Suppression of the FOXM1 transcriptional programme via novel small molecule inhibition. Nature Communications, 2014, 5, 5165.	5.8	167
24	Irreversible inhibition of cytosolic thioredoxin reductase 1 as a mechanistic basis for anticancer therapy. Science Translational Medicine, 2018, 10, .	5.8	147
25	Fluorescence polarization assays in high-throughput screening and drug discovery: a review. Methods and Applications in Fluorescence, 2016, 4, 022001.	1.1	145
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.	3.3	139
27	Advancing Biological Understanding and Therapeutics Discovery with Small-Molecule Probes. Cell, 2015, 161, 1252-1265.	13.5	135
28	A Small Molecule Inhibitor of the BLM Helicase Modulates Chromosome Stability in Human Cells. Chemistry and Biology, 2013, 20, 55-62.	6.2	128
29	A Robotic Platform for Quantitative High-Throughput Screening. Assay and Drug Development Technologies, 2008, 6, 637-657.	0.6	126
30	Genomic and protein expression analysis reveals flap endonuclease 1 (FEN1) as a key biomarker in breast and ovarian cancer. Molecular Oncology, 2014, 8, 1326-1338.	2.1	109
31	KDM5 histone demethylases repress immune response via suppression of STING. PLoS Biology, 2018, 16, e2006134.	2.6	106
32	A Grid Algorithm for High Throughput Fitting of Dose-Response Curve Data. Current Chemical Genomics, 2010, 4, 57-66.	2.0	105
33	Identification and Optimization of Inhibitors of Trypanosomal Cysteine Proteases: Cruzain, Rhodesain, and TbCatB. Journal of Medicinal Chemistry, 2010, 53, 52-60.	2.9	103
34	Integration of pro-inflammatory cytokines, 12-lipoxygenase and NOX-1 in pancreatic islet beta cell dysfunction. Molecular and Cellular Endocrinology, 2012, 358, 88-95.	1.6	103
35	Quantitative High-Throughput Screen Identifies Inhibitors of the Schistosoma mansoni Redox Cascade. PLoS Neglected Tropical Diseases, 2008, 2, e127.	1.3	101
36	Identification and Characterization of Inhibitors of Human Apurinic/apyrimidinic Endonuclease APE1. PLoS ONE, 2009, 4, e5740.	1.1	100

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37	Synthesis, Biological Evaluation, and Structureâ€“Activity Relationships of a Novel Class of Apurinic/Apyrimidinic Endonuclease 1 Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 3101-3112.	2.9	99
38	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). Journal of Medicinal Chemistry, 2017, 60, 9184-9204.	2.9	98
39	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.	0.4	96
40	Targeting the JMJD2 Histone Demethylases to Epigenetically Control Herpesvirus Infection and Reactivation from Latency. Science Translational Medicine, 2013, 5, 167ra5.	5.8	92
41	Disrupting malaria parasite AMA1â€“RON2 interaction with a small molecule prevents erythrocyte invasion. Nature Communications, 2013, 4, 2261.	5.8	87
42	A miniaturized screen for inhibitors of Jumonji histone demethylases. Molecular BioSystems, 2010, 6, 357-364.	2.9	84
43	Platelet 12-LOX is essential for FcÎ³RIIa-mediated platelet activation. Blood, 2014, 124, 2271-2279.	0.6	81
44	Structural Basis for KDM5A Histone Lysine Demethylase Inhibition by Diverse Compounds. Cell Chemical Biology, 2016, 23, 769-781.	2.5	80
45	Potent and Selective Inhibitors of Human Reticulocyte 12/15-Lipoxygenase as Anti-Stroke Therapies. Journal of Medicinal Chemistry, 2014, 57, 4035-4048.	2.9	79
46	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.	1.1	76
47	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, 6474-6483.	2.9	74
48	Identification of phosphotyrosine mimetic inhibitors of human tyrosyl-DNA phosphodiesterase I by a novel AlphaScreen high-throughput assay. Molecular Cancer Therapeutics, 2009, 8, 240-248.	1.9	73
49	Dynamic Imaging of LDH Inhibition in Tumors Reveals Rapid InÂVivo Metabolic Rewiring and Vulnerability to Combination Therapy. Cell Reports, 2020, 30, 1798-1810.e4.	2.9	73
50	Compound Management for Quantitative High-Throughput Screening. Journal of the Association for Laboratory Automation, 2008, 13, 79-89.	2.8	72
51	Highly predictive and interpretable models for PAMPA permeability. Bioorganic and Medicinal Chemistry, 2017, 25, 1266-1276.	1.4	70
52	Synthesis and Structureâ€“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.	2.9	67
53	Discovery of Potent and Selective Inhibitors of Human Reticulocyte 15-Lipoxygenase-1. Journal of Medicinal Chemistry, 2010, 53, 7392-7404.	2.9	66
54	KDM4/JMJD2 Histone Demethylase Inhibitors Block Prostate Tumor Growth by Suppressing the Expression of AR and BMYB-Regulated Genes. Chemistry and Biology, 2015, 22, 1185-1196.	6.2	66

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55	A Highly Potent and Selective Caspaseâ€...1 Inhibitor that Utilizes a Key 3â€€yanopropanoic Acid Moiety. ChemMedChem, 2010, 5, 730-738.	1.6	62
56	Discovery of Orally Bioavailable, Quinoline-Based Aldehyde Dehydrogenase 1A1 (ALDH1A1) Inhibitors with Potent Cellular Activity. Journal of Medicinal Chemistry, 2018, 61, 4883-4903.	2.9	61
57	Discovery of Potent and Selective Inhibitors of Human Platelet-Type 12- Lipoxygenase. Journal of Medicinal Chemistry, 2011, 54, 5485-5497.	2.9	59
58	Assessing inhibitors of mutant isocitrate dehydrogenase using a suite of pre-clinical discovery assays. Scientific Reports, 2017, 7, 12758.	1.6	59
59	Inhibitors of the apurinic/apyrimidinic endonuclease 1 (APE1)/nucleophosmin (NPM1) interaction that display anti-tumor properties. Molecular Carcinogenesis, 2016, 55, 688-704.	1.3	56
60	12-lipoxygenase activity plays an important role in PAR4 and GPVI-mediated platelet reactivity. Thrombosis and Haemostasis, 2013, 110, 569-581.	1.8	54
61	Discovery of NCT-501, a Potent and Selective Theophylline-Based Inhibitor of Aldehyde Dehydrogenase 1A1 (ALDH1A1). Journal of Medicinal Chemistry, 2015, 58, 5967-5978.	2.9	52
62	Large-Scale Screening and Identification of Novel Ebola Virus and Marburg Virus Entry Inhibitors. Antimicrobial Agents and Chemotherapy, 2016, 60, 4471-4481.	1.4	52
63	Synthesis and Structureâ€“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, 8099-8110.	2.9	49
64	Dual-fluorophore quantitative high-throughput screen for inhibitors of BRCTâ€“phosphoprotein interaction. Analytical Biochemistry, 2008, 375, 60-70.	1.1	47
65	A novel P300 inhibitor reverses DUX4-mediated global histone H3 hyperacetylation, target gene expression, and cell death. Science Advances, 2019, 5, eaaw7781.	4.7	47
66	Targeting human apurinic/apyrimidinic endonuclease 1 (APE1) in phosphatase and tensin homolog (PTEN) deficient melanoma cells for personalized therapy. Oncotarget, 2014, 5, 3273-3286.	0.8	47
67	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.	1.6	46
68	Are hERG channel blockers also phospholipidosis inducers?. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4587-4590.	1.0	40
69	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, 1063-1078.	2.9	39
70	Biochemical and Cellular Characterization and Inhibitor Discovery of Pseudomonas aeruginosa 15-Lipoxygenase. Biochemistry, 2016, 55, 3329-3340.	1.2	39
71	Protein Kinase C Regulation of 12-Lipoxygenase-Mediated Human Platelet Activation. Molecular Pharmacology, 2012, 81, 420-430.	1.0	38
72	Varied Role of Ubiquitylation in Generating MHC Class I Peptide Ligands. Journal of Immunology, 2017, 198, 3835-3845.	0.4	38

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73	Molecular basis for activation of lecithin:cholesterol acyltransferase by a compound that increases HDL cholesterol. ELife, 2018, 7, .	2.8	37
74	A quantitative high-throughput screen identifies potential epigenetic modulators of gene expression. Analytical Biochemistry, 2008, 375, 237-248.	1.1	35
75	Optimization and Validation of Two Miniaturized Glucocerebrosidase Enzyme Assays for High Throughput Screening. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 817-824.	0.6	35
76	Inhibition of DNA Glycosylases via Small Molecule Purine Analogs. PLoS ONE, 2013, 8, e81667.	1.1	35
77	Covalent Small Molecule Inhibitors of Ca²⁺-Bound S100B. Biochemistry, 2014, 53, 6628-6640.	1.2	35
78	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, 1114-1123.	1.3	34
79	Lecithin:Cholesterol Acyltransferase Activation by Sulfhydryl-Reactive Small Molecules: Role of Cysteine-31. Journal of Pharmacology and Experimental Therapeutics, 2017, 362, 306-318.	1.3	34
80	Weighted Feature Significance: A Simple, Interpretable Model of Compound Toxicity Based on the Statistical Enrichment of Structural Features. Toxicological Sciences, 2009, 112, 385-393.	1.4	33
81	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. ACS Central Science, 2018, 4, 1727-1741.	5.3	32
82	A Comprehensive Strategy to Discover Inhibitors of the Translesion Synthesis DNA Polymerase Î¹. PLoS ONE, 2012, 7, e45032.	1.1	32
83	A strategy to discover inhibitors of Bacillus subtilis surfactin-type phosphopantetheinyl transferase. Molecular BioSystems, 2010, 6, 365-375.	2.9	30
84	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. Journal of Medicinal Chemistry, 2020, 63, 10984-11011.	2.9	30
85	Fluorescent Proteinâ€Based Cellular Assays Analyzed by Laserâ€Scanning Microplate Cytometry in 1536â€Well Plate Format. Methods in Enzymology, 2006, 414, 566-589.	0.4	29
86	Chemical Control of a CRISPR-Cas9 Acetyltransferase. ACS Chemical Biology, 2018, 13, 455-460.	1.6	29
87	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.	0.2	29
88	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.	0.6	28
89	The Pilot Phase of the NIH Chemical Genomics Center. Current Topics in Medicinal Chemistry, 2009, 9, 1181-1193.	1.0	28
90	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, 5660-5666.	1.0	28

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91	Structure-Based Engineering of Irreversible Inhibitors against Histone Lysine Demethylase KDM5A. Journal of Medicinal Chemistry, 2018, 61, 10588-10601.	2.9	28
92	Diverse Small Molecule Inhibitors of Human Apurinic/Apyrimidinic Endonuclease APE1 Identified from a Screen of a Large Public Collection. PLoS ONE, 2012, 7, e47974.	1.1	28
93	Exploratory analysis of kinetic solubility measurements of a small molecule library. Bioorganic and Medicinal Chemistry, 2011, 19, 4127-4134.	1.4	27
94	A fluorescence-based high throughput assay for the determination of small moleculeâˆ'human serum albumin protein binding. Analytical and Bioanalytical Chemistry, 2014, 406, 1867-1875.	1.9	27
95	Selective inhibition of 12-lipoxygenase protects islets and beta cells from inflammatory cytokine-mediated beta cell dysfunction. Diabetologia, 2015, 58, 549-557.	2.9	27
96	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.	3.3	27
97	High-Affinity Inhibitors of Human NAD+-Dependent 15-Hydroxyprostaglandin Dehydrogenase: Mechanisms of Inhibition and Structure-Activity Relationships. PLoS ONE, 2010, 5, e13719.	1.1	26
98	Peroxisome Proliferation-Activated Receptor Î´ Agonist GW0742 Interacts Weakly with Multiple Nuclear Receptors, Including the Vitamin D Receptor. Biochemistry, 2013, 52, 4193-4203.	1.2	25
99	Kinetic, Mutational, and Structural Studies of the Venezuelan Equine Encephalitis Virus Nonstructural Protein 2 Cysteine Protease. Biochemistry, 2016, 55, 3007-3019.	1.2	25
100	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.	3.3	25
101	A High-Content Assay Enables the Automated Screening and Identification of Small Molecules with Specific ALDH1A1-Inhibitory Activity. PLoS ONE, 2017, 12, e0170937.	1.1	25
102	Fragment-Based Discovery of a Regulatory Site in Thioredoxin Glutathione Reductase Acting as â€œDoorstopâ€•for NADPH Entry. ACS Chemical Biology, 2018, 13, 2190-2202.	1.6	25
103	High-Throughput Identification of Promiscuous Inhibitors from Screening Libraries with the Use of a Thiol-Containing Fluorescent Probe. Journal of Biomolecular Screening, 2013, 18, 705-713.	2.6	24
104	A high-throughput screen to identify novel small molecule inhibitors of the Werner Syndrome Helicase-Nuclease (WRN). PLoS ONE, 2019, 14, e0210525.	1.1	24
105	Characterization of Lead Compounds Targeting the Selenoprotein Thioredoxin Glutathione Reductase for Treatment of Schistosomiasis. ACS Infectious Diseases, 2020, 6, 393-405.	1.8	24
106	A 1,536-Well-Based Kinetic HTS Assay for Inhibitors ofSchistosoma mansoniThioredoxin Glutathione Reductase. Assay and Drug Development Technologies, 2008, 6, 551-555.	0.6	23
107	Endonuclease FEN1 Coregulates ERÎ± Activity and Provides a Novel Drug Interface in Tamoxifen-Resistant Breast Cancer. Cancer Research, 2020, 80, 1914-1926.	0.4	23
108	Connecting Neuronal Cell Protective Pathways and Drug Combinations in a Huntingtonâ€™s Disease Model through the Application of Quantitative Systems Pharmacology. Scientific Reports, 2017, 7, 17803.	1.6	22

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109	High-Throughput 1,536-Well Fluorescence Polarization Assays for Î±1-Acid Glycoprotein and Human Serum Albumin Binding. PLoS ONE, 2012, 7, e45594.	1.1	21
110	A furoxanâ€“amodiaquine hybrid as a potential therapeutic for three parasitic diseases. MedChemComm, 2012, 3, 1505.	3.5	21
111	Identification of novel PARP inhibitors using a cell-based TDP1 inhibitory assay in a quantitative high-throughput screening platform. DNA Repair, 2014, 21, 177-182.	1.3	21
112	Preparation of FRET reporters to support chemical probe development. Organic and Biomolecular Chemistry, 2010, 8, 4601.	1.5	19
113	A high-throughput screening platform for Polycystic Kidney Disease (PKD) drug repurposing utilizing murine and human ADPKD cells. Scientific Reports, 2020, 10, 4203.	1.6	19
114	Biochemical Assays for the Discovery of TDP1 Inhibitors. Molecular Cancer Therapeutics, 2014, 13, 2116-2126.	1.9	18
115	Novel Phenotypic Outcomes Identified for a Public Collection of Approved Drugs from a Publicly Accessible Panel of Assays. PLoS ONE, 2015, 10, e0130796.	1.1	18
116	Microfluidic Mobility Shift Profiling of Lysine Acetyltransferases Enables Screening and Mechanistic Analysis of Cellular Acetylation Inhibitors. ACS Chemical Biology, 2016, 11, 734-741.	1.6	18
117	A target-agnostic screen identifies approved drugs to stabilize the endoplasmic reticulum-resident proteome. Cell Reports, 2021, 35, 109040.	2.9	18
118	A High-Throughput Approach for Identification of Novel General Anesthetics. PLoS ONE, 2009, 4, e7150.	1.1	18
119	A High-Throughput Assay for Small Molecule Destabilizers of the KRAS Oncoprotein. PLoS ONE, 2014, 9, e103836.	1.1	18
120	A High Throughput Screen Identifies Potent and Selective Inhibitors to Human Epithelial 15-Lipoxygenase-2. PLoS ONE, 2014, 9, e104094.	1.1	18
121	Discovery of a Novel General Anesthetic Chemotype Using High-throughput Screening. Anesthesiology, 2015, 122, 325-333.	1.3	17
122	Discovery of a Novel Dual Fungal CYP51/Human 5-Lipoxygenase Inhibitor: Implications for Anti-Fungal Therapy. PLoS ONE, 2013, 8, e65928.	1.1	17
123	3-Substituted Indole Inhibitors Against Francisella tularensis FabI Identified by Structure-Based Virtual Screening. Journal of Medicinal Chemistry, 2013, 56, 5275-5287.	2.9	16
124	NCATS Inxight Drugs: a comprehensive and curated portal for translational research. Nucleic Acids Research, 2022, 50, D1307-D1316.	6.5	16
125	A Miniaturized Glucocorticoid Receptor Translocation Assay Using Enzymatic Fragment Complementation Evaluated with qHTS. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 545-559.	0.6	15
126	A potent and selective inhibitor targeting human and murine 12/15-LOX. Bioorganic and Medicinal Chemistry, 2016, 24, 1183-1190.	1.4	15

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127	Kinetic and structural investigations of novel inhibitors of human epithelial 15-lipoxygenase-2. Bioorganic and Medicinal Chemistry, 2021, 46, 116349.	1.4	15
128	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.	2.9	14
129	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, 765-778.	1.3	14
130	Optimization of High-Throughput Methyltransferase Assays for the Discovery of Small Molecule Inhibitors. ACS Combinatorial Science, 2020, 22, 422-432.	3.8	14
131	Chemoprotective antimalarials identified through quantitative high-throughput screening of Plasmodium blood and liver stage parasites. Scientific Reports, 2021, 11, 2121.	1.6	14
132	Structureâ€“activity relationship studies and biological characterization of human NAD+-dependent 15-hydroxyprostaglandin dehydrogenase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 630-635.	1.0	13
133	Discovery and lead identification of quinazoline-based BRD4 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3483-3488.	1.0	12
134	Discovery and Optimization of 2H-1Î»²-Pyridin-2-one Inhibitors of Mutant Isocitrate Dehydrogenase 1 for the Treatment of Cancer. Journal of Medicinal Chemistry, 2021, 64, 4913-4946.	2.9	12
135	FEN1 Blockade for Platinum Chemo-Sensitization and Synthetic Lethality in Epithelial Ovarian Cancers. Cancers, 2021, 13, 1866.	1.7	12
136	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.	1.0	10
137	Anxiolytic Drug FGIN-1-27 Ameliorates Autoimmunity by Metabolic Reprogramming of Pathogenic Th17 Cells. Scientific Reports, 2020, 10, 3766.	1.6	10
138	Quantitative high-throughput phenotypic screening of pediatric cancer cell lines identifies multiple opportunities for drug repurposing. Oncotarget, 2018, 9, 4758-4772.	0.8	10
139	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.	1.4	9
140	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.	1.1	9
141	Insights into the Action of Inhibitor Enantiomers against Histone Lysine Demethylase 5A. Journal of Medicinal Chemistry, 2018, 61, 3193-3208.	2.9	9
142	A Comparative Study of Target Engagement Assays for HDAC1 Inhibitor Profiling. SLAS Discovery, 2020, 25, 253-264.	1.4	9
143	Cell Lysate-Based AlphaLISA Deubiquitinase Assay Platform for Identification of Small Molecule Inhibitors. ACS Chemical Biology, 2017, 12, 2399-2407.	1.6	8
144	Identification of Small Molecule Enhancers of Immunotherapy for Melanoma. Scientific Reports, 2020, 10, 5688.	1.6	7

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145	The AKT modulator A-443654 reduces Î±-synuclein expression and normalizes ER stress and autophagy. Journal of Biological Chemistry, 2021, 297, 101191.	1.6	7
146	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.	1.1	6
147	Discovery and Optimization of Pyrrolopyrimidine Derivatives as Selective Disruptors of the Perinucleolar Compartment, a Marker of Tumor Progression toward Metastasis. Journal of Medicinal Chemistry, 2022, 65, 8303-8331.	2.9	4
148	High-Throughput Screen Identifies Cyclic Nucleotide Analogs That Inhibit Prostatic Acid Phosphatase. Journal of Biomolecular Screening, 2013, 18, 481-489.	2.6	3
149	Parallel Chemistry Approach to Identify Novel Nuclear Receptor Ligands Based on the GW0742 Scaffold. ACS Combinatorial Science, 2017, 19, 646-656.	3.8	3
150	Dealing with the Data Deluge: Handling the Multitude of Chemical Biology Data Sources. Current Protocols in Chemical Biology, 2012, 4, 193-209.	1.7	3
151	Identification of Activators of Human Fumarate Hydratase by Quantitative High-Throughput Screening. SLAS Discovery, 2020, 25, 43-56.	1.4	2
152	Optimization of ether and aniline based inhibitors of lactate dehydrogenase. Bioorganic and Medicinal Chemistry Letters, 2021, 41, 127974.	1.0	2
153	Identification of Small Molecule Inhibitors of a Mir155 Transcriptional Reporter in Th17 Cells. Scientific Reports, 2021, 11, 11498.	1.6	2
154	A quantitative high-throughput screen identifies compounds that lower expression of the SCA2-and ALS-associated gene ATXN2. Journal of Biological Chemistry, 2022, 298, 102228.	1.6	1
155	Inside Cover: A Highly Potent and Selective Caspaseâ€...1 Inhibitor that Utilizes a Key 3-Cyanopropanoic Acid Moiety (ChemMedChem 5/2010). ChemMedChem, 2010, 5, 634-634.	1.6	0