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List of Publications by Year
in descending order

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52 papers	3,920 citations	236925 25 h-index	161849 54 g-index
58 all docs	58 docs citations	58 times ranked	6584 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	THE IMPACT OF P-GLYCOPROTEIN ON THE DISPOSITION OF DRUGS TARGETED FOR INDICATIONS OF THE CENTRAL NERVOUS SYSTEM: EVALUATION USING THE MDR1A/1B KNOCKOUT MOUSE MODEL. Drug Metabolism and Disposition, 2005, 33, 165-174.	3.3	434
3	A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. Nature Chemical Biology, 2016, 12, 452-458.	8.0	389
4	The NCGC Pharmaceutical Collection: A Comprehensive Resource of Clinically Approved Drugs Enabling Repurposing and Chemical Genomics. Science Translational Medicine, 2011, 3, 80ps16.	12.4	359
5	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.	7.1	355
6	Fluorescence polarization assays in high-throughput screening and drug discovery: a review. Methods and Applications in Fluorescence, 2016, 4, 022001.	2.3	145
7	The Tox21 10K Compound Library: Collaborative Chemistry Advancing Toxicology. Chemical Research in Toxicology, 2021, 34, 189-216.	3.3	145
8	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.	0.9	96
9	Disrupting malaria parasite AMA1â€“RON2 interaction with a small molecule prevents erythrocyte invasion. Nature Communications, 2013, 4, 2261.	12.8	87
10	Potent and Selective Inhibitors of Human Reticulocyte 12/15-Lipoxygenase as Anti-Stroke Therapies. Journal of Medicinal Chemistry, 2014, 57, 4035-4048.	6.4	79
11	Compound Management for Quantitative High-Throughput Screening. Journal of the Association for Laboratory Automation, 2008, 13, 79-89.	2.8	72
12	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.	6.4	67
13	Discovery of Orally Bioavailable, Quinoline-Based Aldehyde Dehydrogenase 1A1 (ALDH1A1) Inhibitors with Potent Cellular Activity. Journal of Medicinal Chemistry, 2018, 61, 4883-4903.	6.4	61
14	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
15	Discovery of NCT-501, a Potent and Selective Theophylline-Based Inhibitor of Aldehyde Dehydrogenase 1A1 (ALDH1A1). Journal of Medicinal Chemistry, 2015, 58, 5967-5978.	6.4	52
16	Dual-fluorophore quantitative high-throughput screen for inhibitors of BRCTâ€“phosphoprotein interaction. Analytical Biochemistry, 2008, 375, 60-70.	2.4	47
17	Novel Consensus Architecture To Improve Performance of Large-Scale Multitask Deep Learning QSAR Models. Journal of Chemical Information and Modeling, 2019, 59, 4613-4624.	5.4	47
18	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.	6.4	39

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19	Biochemical and Cellular Characterization and Inhibitor Discovery of Pseudomonas aeruginosa 15-Lipoxygenase. Biochemistry, 2016, 55, 3329-3340.	2.5	39
20	Selective small molecule inhibitor of the Mycobacterium tuberculosis fumarate hydratase reveals an allosteric regulatory site. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7503-7508.	7.1	36
21	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. ACS Central Science, 2018, 4, 1727-1741.	11.3	32
22	A strategy to discover inhibitors of Bacillus subtilis surfactin-type phosphopantetheinyl transferase. Molecular BioSystems, 2010, 6, 365-375.	2.9	30
23	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
24	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
25	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.	1.1	28
26	Electrical alternans and hemodynamics in the anesthetized guinea pig can discriminate the cardiac safety of antidepressants. Journal of Pharmacological and Toxicological Methods, 2007, 55, 78-85.	0.7	27
27	A fluorescence-based high throughput assay for the determination of small moleculeâ˜human serum albumin protein binding. Analytical and Bioanalytical Chemistry, 2014, 406, 1867-1875.	3.7	27
28	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.	7.1	27
29	Peroxisome Proliferation-Activated Receptor Î´ Agonist GW0742 Interacts Weakly with Multiple Nuclear Receptors, Including the Vitamin D Receptor. Biochemistry, 2013, 52, 4193-4203.	2.5	25
30	A High-Content Assay Enables the Automated Screening and Identification of Small Molecules with Specific ALDH1A1-Inhibitory Activity. PLoS ONE, 2017, 12, e0170937.	2.5	25
31	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
32	Discovery and optimization of piperazine-1-thiourea-based human phosphoglycerate dehydrogenase inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 1727-1739.	3.0	23
33	High-Throughput 1,536-Well Fluorescence Polarization Assays for Î±1-Acid Glycoprotein and Human Serum Albumin Binding. PLoS ONE, 2012, 7, e45594.	2.5	21
34	SCAM Detective: Accurate Predictor of Small, Colloidally Aggregating Molecules. Journal of Chemical Information and Modeling, 2020, 60, 4056-4063.	5.4	21
35	Preparation of FRET reporters to support chemical probe development. Organic and Biomolecular Chemistry, 2010, 8, 4601.	2.8	19
36	A target-agnostic screen identifies approved drugs to stabilize the endoplasmic reticulum-resident proteome. Cell Reports, 2021, 35, 109040.	6.4	18

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37	Testing for drug-human serum albumin binding using fluorescent probes and other methods. Expert Opinion on Drug Discovery, 2018, 13, 1005-1014.	5.0	17
38	Discovery and Structureâ€“Activity Relationship Study of (Z)-5-Methylenethiazolidin-4-one Derivatives as Potent and Selective Pan-phosphatidylinositol 5-Phosphate 4-Kinase Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 4880-4895.	6.4	17
39	A High-Throughput 1,536-Well Luminescence Assay for Glutathione S-Transferase Activity. Assay and Drug Development Technologies, 2010, 8, 200-211.	1.2	15
40	Kinetic and structural investigations of novel inhibitors of human epithelial 15-lipoxygenase-2. Bioorganic and Medicinal Chemistry, 2021, 46, 116349.	3.0	15
41	Structureâ€“Activity Relationship Study of Covalent Pan-phosphatidylinositol 5-Phosphate 4-Kinase Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 346-352.	2.8	14
42	Optimization of High-Throughput Methyltransferase Assays for the Discovery of Small Molecule Inhibitors. ACS Combinatorial Science, 2020, 22, 422-432.	3.8	14
43	Structureâ€“activity relationship studies and biological characterization of human NAD+-dependent 15-hydroxyprostaglandin dehydrogenase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 630-635.	2.2	13
44	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.	6.4	12
45	Applications of Differential Scanning Fluorometry and Related Technologies in Characterization of Proteinâ€“Ligand Interactions. Methods in Molecular Biology, 2020, 2089, 47-68.	0.9	12
46	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.	2.5	9
47	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.	2.5	6
48	Small Molecule Inhibitors of Activation-Induced Deaminase Decrease Class Switch Recombination in B Cells. ACS Pharmacology and Translational Science, 2021, 4, 1214-1226.	4.9	5
49	Cross-Platform Bayesian Optimization System for Autonomous Biological Assay Development. SLAS Technology, 2021, 26, 579-590.	1.9	5
50	Evaluation of Micro-Parallel Liquid Chromatography as a Method for HTS-Coupled Actives Verification. Assay and Drug Development Technologies, 2007, 5, 815-824.	1.2	4
51	Parallel Chemistry Approach to Identify Novel Nuclear Receptor Ligands Based on the GW0742 Scaffold. ACS Combinatorial Science, 2017, 19, 646-656.	3.8	3
52	Current approaches for the discovery of drugs that deter substance and drug abuse. Expert Opinion on Drug Discovery, 2014, 9, 1319-1331.	5.0	1