

Adam Yasgar

List of Publications by Year in descending order

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Version: 2024-02-01

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	A platform of assays for the discovery of anti-Zika small-molecules with activity in a 3D-bioprinted outer-blood-retina model. <i>PLoS ONE</i> , 2022, 17, e0261821.	2.5	6
2	The Tox21 10K Compound Library: Collaborative Chemistry Advancing Toxicology. <i>Chemical Research in Toxicology</i> , 2021, 34, 189-216.	3.3	145
3	Discovery and Optimization of 2-Hydroxy-1,2,3,4-tetrahydropyridin-2-one Inhibitors of Mutant Isocitrate Dehydrogenase 1 for the Treatment of Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4913-4946.	6.4	12
4	A target-agnostic screen identifies approved drugs to stabilize the endoplasmic reticulum-resident proteome. <i>Cell Reports</i> , 2021, 35, 109040.	6.4	18
5	Small Molecule Inhibitors of Activation-Induced Deaminase Decrease Class Switch Recombination in B Cells. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1214-1226.	4.9	5
6	Kinetic and structural investigations of novel inhibitors of human epithelial 15-lipoxygenase-2. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116349.	3.0	15
7	Cross-Platform Bayesian Optimization System for Autonomous Biological Assay Development. <i>SLAS Technology</i> , 2021, 26, 579-590.	1.9	5
8	Structure-Activity Relationship Study of Covalent Pan-phosphatidylinositol 5-Phosphate 4-Kinase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 346-352.	2.8	14
9	SCAM Detective: Accurate Predictor of Small, Colloidally Aggregating Molecules. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 4056-4063.	5.4	21
10	Therapeutic candidates for the Zika virus identified by a high-throughput screen for Zika protease inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31365-31375.	7.1	27
11	Optimization of High-Throughput Methyltransferase Assays for the Discovery of Small Molecule Inhibitors. <i>ACS Combinatorial Science</i> , 2020, 22, 422-432.	3.8	14
12	Discovery and Structure-Activity Relationship Study of (Z)-5-Methylenethiazolidin-4-one Derivatives as Potent and Selective Pan-phosphatidylinositol 5-Phosphate 4-Kinase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4880-4895.	6.4	17
13	Applications of Differential Scanning Fluorometry and Related Technologies in Characterization of Protein-Ligand Interactions. <i>Methods in Molecular Biology</i> , 2020, 2089, 47-68.	0.9	12
14	Novel Consensus Architecture To Improve Performance of Large-Scale Multitask Deep Learning QSAR Models. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 4613-4624.	5.4	47
15	Discovery and optimization of piperazine-1-thiourea-based human phosphoglycerate dehydrogenase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1727-1739.	3.0	23
16	Quantitative high-throughput screening identifies cytoprotective molecules that enhance SUMO conjugation via the inhibition of SUMO-specific protease (SEN)2. <i>FASEB Journal</i> , 2018, 32, 1677-1691.	0.5	29
17	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741.	11.3	32
18	Testing for drug-human serum albumin binding using fluorescent probes and other methods. <i>Expert Opinion on Drug Discovery</i> , 2018, 13, 1005-1014.	5.0	17

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19	Discovery of Orally Bioavailable, Quinoline-Based Aldehyde Dehydrogenase 1A1 (ALDH1A1) Inhibitors with Potent Cellular Activity. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4883-4903.	6.4	61
20	Parallel Chemistry Approach to Identify Novel Nuclear Receptor Ligands Based on the GW0742 Scaffold. <i>ACS Combinatorial Science</i> , 2017, 19, 646-656.	3.8	3
21	A High-Content Assay Enables the Automated Screening and Identification of Small Molecules with Specific ALDH1A1-Inhibitory Activity. <i>PLoS ONE</i> , 2017, 12, e0170937.	2.5	25
22	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. <i>PLoS ONE</i> , 2016, 11, e0161486.	2.5	9
23	A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. <i>Nature Chemical Biology</i> , 2016, 12, 452-458.	8.0	389
24	AlphaScreen-Based Assays: Ultra-High-Throughput Screening for Small-Molecule Inhibitors of Challenging Enzymes and Protein-Protein Interactions. <i>Methods in Molecular Biology</i> , 2016, 1439, 77-98.	0.9	96
25	Fluorescence polarization assays in high-throughput screening and drug discovery: a review. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 022001.	2.3	145
26	Biochemical and Cellular Characterization and Inhibitor Discovery of <i>Pseudomonas aeruginosa</i> 15-Lipoxygenase. <i>Biochemistry</i> , 2016, 55, 3329-3340.	2.5	39
27	Selective small molecule inhibitor of the <i>Mycobacterium tuberculosis</i> fumarate hydratase reveals an allosteric regulatory site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7503-7508.	7.1	36
28	Discovery of NCT-501, a Potent and Selective Theophylline-Based Inhibitor of Aldehyde Dehydrogenase 1A1 (ALDH1A1). <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5967-5978.	6.4	52
29	High-throughput combinatorial screening identifies drugs that cooperate with ibrutinib to kill activated B-cell-like diffuse large B-cell lymphoma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2349-2354.	7.1	355
30	A fluorescence-based high throughput assay for the determination of small molecule-human serum albumin protein binding. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1867-1875.	3.7	27
31	Potent and Selective Inhibitors of Human Reticulocyte 12/15-Lipoxygenase as Anti-Stroke Therapies. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4035-4048.	6.4	79
32	Synthesis and Structure-Activity Relationship Studies of 4-((2-Hydroxy-3-methoxybenzyl)amino)benzenesulfonamide Derivatives as Potent and Selective Inhibitors of 12-Lipoxygenase. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 495-506.	6.4	67
33	Current approaches for the discovery of drugs that deter substance and drug abuse. <i>Expert Opinion on Drug Discovery</i> , 2014, 9, 1319-1331.	5.0	1
34	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. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1063-1078.	6.4	39
35	Structure-activity relationship studies and biological characterization of human NAD ⁺ -dependent 15-hydroxyprostaglandin dehydrogenase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 630-635.	2.2	13
36	Disrupting malaria parasite AMA1-RON2 interaction with a small molecule prevents erythrocyte invasion. <i>Nature Communications</i> , 2013, 4, 2261.	12.8	87

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37	High-Throughput Identification of Promiscuous Inhibitors from Screening Libraries with the Use of a Thiol-Containing Fluorescent Probe. <i>Journal of Biomolecular Screening</i> , 2013, 18, 705-713.	2.6	24
38	Peroxisome Proliferation-Activated Receptor γ Agonist GW0742 Interacts Weakly with Multiple Nuclear Receptors, Including the Vitamin D Receptor. <i>Biochemistry</i> , 2013, 52, 4193-4203.	2.5	25
39	High-Throughput 1,536-Well Fluorescence Polarization Assays for α 1-Acid Glycoprotein and Human Serum Albumin Binding. <i>PLoS ONE</i> , 2012, 7, e45594.	2.5	21
40	The NCGC Pharmaceutical Collection: A Comprehensive Resource of Clinically Approved Drugs Enabling Repurposing and Chemical Genomics. <i>Science Translational Medicine</i> , 2011, 3, 80ps16.	12.4	359
41	A High-Throughput 1,536-Well Luminescence Assay for Glutathione S-Transferase Activity. <i>Assay and Drug Development Technologies</i> , 2010, 8, 200-211.	1.2	15
42	A strategy to discover inhibitors of <i>Bacillus subtilis</i> surfactin-type phosphopantetheinyl transferase. <i>Molecular BioSystems</i> , 2010, 6, 365-375.	2.9	30
43	Preparation of FRET reporters to support chemical probe development. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4601.	2.8	19
44	Dual-fluorophore quantitative high-throughput screen for inhibitors of BRCT α -phosphoprotein interaction. <i>Analytical Biochemistry</i> , 2008, 375, 60-70.	2.4	47
45	Quantitative High-Throughput Screening Using a Live-Cell cAMP Assay Identifies Small-Molecule Agonists of the TSH Receptor. <i>Journal of Biomolecular Screening</i> , 2008, 13, 120-127.	2.6	59
46	Compound Management for Quantitative High-Throughput Screening. <i>Journal of the Association for Laboratory Automation</i> , 2008, 13, 79-89.	2.8	72
47	A High Throughput Fluorescence Polarization Assay for Inhibitors of the GoLoco Motif/G-alpha Interaction. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 396-409.	1.1	28
48	Evaluation of Micro-Parallel Liquid Chromatography as a Method for HTS-Coupled Actives Verification. <i>Assay and Drug Development Technologies</i> , 2007, 5, 815-824.	1.2	4
49	Electrical alternans and hemodynamics in the anesthetized guinea pig can discriminate the cardiac safety of antidepressants. <i>Journal of Pharmacological and Toxicological Methods</i> , 2007, 55, 78-85.	0.7	27
50	Fluorescent Protein α -Based Cellular Assays Analyzed by Laser α -Scanning Microplate Cytometry in 1536 α -Well Plate Format. <i>Methods in Enzymology</i> , 2006, 414, 566-589.	1.0	29
51	Quantitative high-throughput screening: A titration-based approach that efficiently identifies biological activities in large chemical libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11473-11478.	7.1	733
52	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. <i>Drug Metabolism and Disposition</i> , 2005, 33, 165-174.	3.3	434