

Joshua A Bittker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4390483/publications.pdf>

Version: 2024-02-01

32
papers

7,273
citations

361413

20
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

12323
citing authors

#	ARTICLE	IF	CITATIONS
1	A Next Generation Connectivity Map: L1000 Platform and the First 1,000,000 Profiles. <i>Cell</i> , 2017, 171, 1437-1452.e17.	28.9	2,281
2	The Drug Repurposing Hub: a next-generation drug library and information resource. <i>Nature Medicine</i> , 2017, 23, 405-408.	30.7	689
3	Genetic and transcriptional evolution alters cancer cell line drug response. <i>Nature</i> , 2018, 560, 325-330.	27.8	662
4	Correlating chemical sensitivity and basal gene expression reveals mechanism of action. <i>Nature Chemical Biology</i> , 2016, 12, 109-116.	8.0	636
5	An Interactive Resource to Identify Cancer Genetic and Lineage Dependencies Targeted by Small Molecules. <i>Cell</i> , 2013, 154, 1151-1161.	28.9	615
6	Harnessing Connectivity in a Large-Scale Small-Molecule Sensitivity Dataset. <i>Cancer Discovery</i> , 2015, 5, 1210-1223.	9.4	575
7	Discovering the anticancer potential of non-oncology drugs by systematic viability profiling. <i>Nature Cancer</i> , 2020, 1, 235-248.	13.2	430
8	Diversity-oriented synthesis yields novel multistage antimalarial inhibitors. <i>Nature</i> , 2016, 538, 344-349.	27.8	214
9	Toward performance-diverse small-molecule libraries for cell-based phenotypic screening using multiplexed high-dimensional profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10911-10916.	7.1	191
10	Development of small-molecule probes that selectively kill cells induced to express mutant RAS. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1822-1826.	2.2	157
11	Advancing Biological Understanding and Therapeutics Discovery with Small-Molecule Probes. <i>Cell</i> , 2015, 161, 1252-1265.	28.9	135
12	Niche-based screening identifies small-molecule inhibitors of leukemia stem cells. <i>Nature Chemical Biology</i> , 2013, 9, 840-848.	8.0	103
13	Nucleic acid evolution and minimization by nonhomologous random recombination. <i>Nature Biotechnology</i> , 2002, 20, 1024-1029.	17.5	80
14	Directed evolution of protein enzymes using nonhomologous random recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7011-7016.	7.1	65
15	Recent advances in the in vitro evolution of nucleic acids. <i>Current Opinion in Chemical Biology</i> , 2002, 6, 367-374.	6.1	62
16	Small-molecule inducers of insulin expression in pancreatic β -cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15099-15104.	7.1	62
17	High-Throughput Screens To Identify Autophagy Inducers That Function by Disrupting Beclin 1/Bcl-2 Binding. <i>ACS Chemical Biology</i> , 2018, 13, 2247-2260.	3.4	57
18	Small-molecule inhibitors directly target CARD9 and mimic its protective variant in inflammatory bowel disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11392-11397.	7.1	45

#	ARTICLE	IF	CITATIONS
19	Target-Based Identification of Whole-Cell Active Inhibitors of Biotin Biosynthesis in <i>Mycobacterium tuberculosis</i> . <i>Chemistry and Biology</i> , 2015, 22, 76-86.	6.0	42
20	An Overview of the Challenges in Designing, Integrating, and Delivering BARD: A Public Chemical-Biology Resource and Query Portal for Multiple Organizations, Locations, and Disciplines. <i>Journal of Biomolecular Screening</i> , 2014, 19, 614-627.	2.6	22
21	Overcoming fluconazole resistance in <i>Candida albicans</i> clinical isolates with tetracyclic indoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3362-3365.	2.2	21
22	Piperazinyl quinolines as chemosensitizers to increase fluconazole susceptibility of <i>Candida albicans</i> clinical isolates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5502-5505.	2.2	15
23	Identification of Highly Specific Diversity-Oriented Synthesis-Derived Inhibitors of <i>Clostridium difficile</i> . <i>ACS Infectious Diseases</i> , 2017, 3, 349-359.	3.8	15
24	High-Throughput RT-PCR for Small-Molecule Screening Assays. <i>Current Protocols in Chemical Biology</i> , 2012, 4, 49-63.	1.7	15
25	An Economic Framework to Prioritize Confirmatory Tests after a High-Throughput Screen. <i>Journal of Biomolecular Screening</i> , 2010, 15, 680-686.	2.6	14
26	ML212: A small-molecule probe for investigating fluconazole resistance mechanisms in <i>Candida albicans</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1501-1507.	2.2	14
27	Identification of small-molecule inhibitors of <i>Trypanosoma cruzi</i> replication. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 7197-7200.	2.2	12
28	High Throughput Screen Identifies Interferon γ -Dependent Inhibitors of <i>Toxoplasma gondii</i> Growth. <i>ACS Infectious Diseases</i> , 2018, 4, 1499-1507.	3.8	11
29	Functional Dissection of sRNA Translational Regulators by Nonhomologous Random Recombination and In Vivo Selection. <i>Chemistry and Biology</i> , 2005, 12, 757-767.	6.0	9
30	Automatically Detecting Workflows in PubChem. <i>Journal of Biomolecular Screening</i> , 2012, 17, 1071-1079.	2.6	9
31	The Use of Informer Sets in Screening: Perspectives on an Efficient Strategy to Identify New Probes. <i>SLAS Discovery</i> , 2021, 26, 855-861.	2.7	8
32	Utility-Aware Screening with Clique-Oriented Prioritization. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 29-37.	5.4	7