

Nathan P Coussens

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4261461/publications.pdf>

Version: 2024-02-01

18
papers

725
citations

933447

10
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

1666
citing authors

#	ARTICLE	IF	CITATIONS
1	Irreversible inhibition of cytosolic thioredoxin reductase 1 as a mechanistic basis for anticancer therapy. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	147
2	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
3	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
4	The Opioid Crisis and the Future of Addiction and Pain Therapeutics. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 396-408.	2.5	60
5	Small-Molecule Screens: A Gateway to Cancer Therapeutic Agents with Case Studies of Food and Drug Administration-Approved Drugs. <i>Pharmacological Reviews</i> , 2017, 69, 479-496.	16.0	58
6	High-throughput screening with nucleosome substrate identifies small-molecule inhibitors of the human histone lysine methyltransferase NSD2. <i>Journal of Biological Chemistry</i> , 2018, 293, 13750-13765.	3.4	46
7	<i>In vivo</i> crystallography at X-ray free-electron lasers: the next generation of structural biology?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130497.	4.0	39
8	<i>Assay Guidance Manual</i> : Quantitative Biology and Pharmacology in Preclinical Drug Discovery. <i>Clinical and Translational Science</i> , 2018, 11, 461-470.	3.1	38
9	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741.	11.3	32
10	Structure of a heterogeneous, glycosylated, lipid-bound, <i>in vivo</i> -grown protein crystal at atomic resolution from the viviparous cockroach <i>Diploptera punctata</i> . <i>IUCr</i> , 2016, 3, 282-293.	2.2	28
11	Interaction of the N terminus of ADP-ribosylation factor with the PH domain of the GTPase-activating protein ASAP1 requires phosphatidylinositol 4,5-bisphosphate. <i>Journal of Biological Chemistry</i> , 2019, 294, 17354-17370.	3.4	10
12	Physiologically relevant orthogonal assays for the discovery of small-molecule modulators of WIP1 phosphatase in high-throughput screens. <i>Journal of Biological Chemistry</i> , 2019, 294, 17654-17668.	3.4	6
13	Addressing Compound Reactivity and Aggregation Assay Interferences: Case Studies of Biochemical High-Throughput Screening Campaigns Benefiting from the National Institutes of Health Assay Guidance Manual Guidelines. <i>SLAS Discovery</i> , 2021, 26, 1280-1290.	2.7	6
14	<i>Assay Guidance Manual for Drug Discovery: Robust or Go Bust</i> . <i>SLAS Discovery</i> , 2021, 26, 1241-1242.	2.7	6
15	Complex Tumor Spheroids, a Tissue-Mimicking Tumor Model, for Drug Discovery and Precision Medicine. <i>SLAS Discovery</i> , 2021, 26, 1298-1314.	2.7	5
16	Discovery of Small-Molecule VapC1 Nuclease Inhibitors by Virtual Screening and Scaffold Hopping from an Atomic Structure Revealing Protein-Protein Interactions with a Native VapB1 Inhibitor. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 1249-1258.	5.4	3
17	<i>Assay Guidance Manual for Drug Discovery: Technologies That Matter</i> . <i>SLAS Technology</i> , 2021, 26, 553-554.	1.9	0
18	Abstract 3091: Patient-derived organoid drug responses corroborate known target-drug interactions for selected anticancer agents. <i>Cancer Research</i> , 2022, 82, 3091-3091.	0.9	0