

Dominic Hoepfner

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,466
citations

304743

22
h-index

214800

47
g-index

49
all docs

49
docs citations

49
times ranked

3935
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of the Endoplasmic Reticulum to Peroxisome Formation. <i>Cell</i> , 2005, 122, 85-95.	28.9	416
2	A role for Vps1p, actin, and the Myo2p motor in peroxisome abundance and inheritance in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2001, 155, 979-990.	5.2	303
3	Selective and Specific Inhibition of the <i>Plasmodium falciparum</i> Lysyl-tRNA Synthetase by the Fungal Secondary Metabolite Cladosporin. <i>Cell Host and Microbe</i> , 2012, 11, 654-663.	11.0	202
4	High-resolution chemical dissection of a model eukaryote reveals targets, pathways and gene functions. <i>Microbiological Research</i> , 2014, 169, 107-120.	5.3	142
5	Dark chemical matter as a promising starting point for drug lead discovery. <i>Nature Chemical Biology</i> , 2015, 11, 958-966.	8.0	110
6	Evidence for a Functionally Relevant Rocaglamide Binding Site on the eIF4A-eIF4E RNA Complex. <i>ACS Chemical Biology</i> , 2013, 8, 1519-1527.	3.4	102
7	CRISPR-UMI: single-cell lineage tracing of pooled CRISPR-Cas9 screens. <i>Nature Methods</i> , 2017, 14, 1191-1197.	19.0	95
8	Nannocystin A: an Elongation Factor 1 Inhibitor from Myxobacteria with Differential Anti-Cancer Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10149-10154.	13.8	91
9	Biosynthesis of fragin is controlled by a novel quorum sensing signal. <i>Nature Communications</i> , 2018, 9, 1297.	12.8	91
10	TORC2 Signaling Pathway Guarantees Genome Stability in the Face of DNA Strand Breaks. <i>Molecular Cell</i> , 2013, 51, 829-839.	9.7	71
11	The Natural Product Cavinafungin Selectively Interferes with Zika and Dengue Virus Replication by Inhibition of the Host Signal Peptidase. <i>Cell Reports</i> , 2017, 19, 451-460.	6.4	63
12	A reversible haploid mouse embryonic stem cell biobank resource for functional genomics. <i>Nature</i> , 2017, 550, 114-118.	27.8	58
13	The Marine Natural Product Manzamine A Targets Vacuolar ATPases and Inhibits Autophagy in Pancreatic Cancer Cells. <i>Marine Drugs</i> , 2013, 11, 3500-3516.	4.6	55
14	Utilizing Chemical Genomics to Identify Cytochrome b as a Novel Drug Target for Chagas Disease. <i>PLoS Pathogens</i> , 2015, 11, e1005058.	4.7	52
15	Decatransin, a novel natural product inhibiting protein translocation at the Sec61/SecY translocon. <i>Journal of Cell Science</i> , 2015, 128, 1217-29.	2.0	52
16	The Novolactone Natural Product Disrupts the Allosteric Regulation of Hsp70. <i>Chemistry and Biology</i> , 2015, 22, 87-97.	6.0	49
17	Discovery of a ZIP7 inhibitor from a Notch pathway screen. <i>Nature Chemical Biology</i> , 2019, 15, 179-188.	8.0	46
18	Identification and Evaluation of Novel Acetolactate Synthase Inhibitors as Antifungal Agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2272-2280.	3.2	43

#	ARTICLE	IF	CITATIONS
19	Identification of Elongation Factor G as the Conserved Cellular Target of Argryrin B. PLoS ONE, 2012, 7, e42657.	2.5	42
20	Gift from Nature: Cyclomarinâ€¦A Kills Mycobacteria and Malaria Parasites by Distinct Modes of Action. ChemBioChem, 2015, 16, 2433-2436.	2.6	40
21	Identification of a novel NAMPT inhibitor by CRISPR/Cas9 chemogenomic profiling in mammalian cells. Scientific Reports, 2017, 7, 42728.	3.3	36
22	Target Identification and Mechanism of Action of Picolinamide and Benzamide Chemotypes with Antifungal Properties. Cell Chemical Biology, 2018, 25, 279-290.e7.	5.2	28
23	IRF2 is a master regulator of human keratinocyte stem cell fate. Nature Communications, 2019, 10, 4676.	12.8	25
24	Stendomycin selectively inhibits TIM23-dependent mitochondrial protein import. Nature Chemical Biology, 2017, 13, 1239-1244.	8.0	24
25	An Integrated Approach for Identification and Target Validation of Antifungal Compounds Active against Erg11p. Antimicrobial Agents and Chemotherapy, 2012, 56, 4233-4240.	3.2	23
26	High-Resolution Genetics Identifies the Lipid Transfer Protein Sec14p as Target for Antifungal Ergolines. PLoS Genetics, 2016, 12, e1006374.	3.5	22
27	Jawsamycin exhibits in vivo antifungal properties by inhibiting Spt14/Gpi3-mediated biosynthesis of glycosylphosphatidylinositol. Nature Communications, 2020, 11, 3387.	12.8	19
28	Analysis of deletion phenotypes and GFP fusions of 21 novel Saccharomyces cerevisiae open reading frames. Yeast, 2000, 16, 241-253.	1.7	17
29	MHO1, an Evolutionarily Conserved Gene, Is Synthetic Lethal with PLC1; Mho1p Has a Role in Invasive Growth. PLoS ONE, 2012, 7, e32501.	2.5	16
30	Auxin-Inducible Depletion of the Essentialome Suggests Inhibition of TORC1 by Auxins and Inhibition of Vrg4 by SDZ 90-215, a Natural Antifungal Cyclopeptide. G3: Genes, Genomes, Genetics, 2019, 9, 829-840.	1.8	16
31	FR171456 is a specific inhibitor of mammalian NSDHL and yeast Erg26p. Nature Communications, 2015, 6, 8613.	12.8	15
32	Organization of Organelles within Hyphae of Ashbya gossypii Revealed by Electron Tomography. Eukaryotic Cell, 2013, 12, 1423-1432.	3.4	12
33	Design and Synthesis of Metabolically Stable tRNA Synthetase Inhibitors Derived from Cladosporin. ChemBioChem, 2019, 20, 644-649.	2.6	12
34	Advantages and Challenges of Phenotypic Screens: The Identification of Two Novel Antifungal Geranylgeranyltransferase I Inhibitors. Journal of Biomolecular Screening, 2016, 21, 306-315.	2.6	9
35	Direct Interaction of Chivosazole F with Actin Elicits Cell Responses Similar to Latrunculin A but Distinct from Chondramide. ACS Chemical Biology, 2017, 12, 2264-2269.	3.4	9
36	Cladosporin Derivatives Obtained by Biotransformation Provide Guidance for the Focused Derivatization of this Antimalarial Lead Compound. ChemBioChem, 2018, 20, 650-654.	2.6	9

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37	PrP-containing aggregates are cytosolic components of an endoplasmic reticulum quality control mechanism. <i>Journal of Cell Science</i> , 2016, 129, 3635-3647.	2.0	8
38	Two low complexity ultra-high throughput methods to identify diverse chemically bioactive molecules using <i>Saccharomyces cerevisiae</i> . <i>Microbiological Research</i> , 2017, 199, 10-18.	5.3	7
39	Yeast Chemogenomic Profiling Reveals Iron Chelation To Be the Principle Cell Inhibitory Mode of Action of Gossypol. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7381-7386.	6.4	6
40	Previously Uncharacterized Vacuolar-type ATPase Binding Site Discovered from Structurally Similar Compounds with Distinct Mechanisms of Action. <i>ACS Chemical Biology</i> , 2019, 14, 20-26.	3.4	6
41	Genome-wide CRISPR-Cas9 screens identify mechanisms of BET bromodomain inhibitor sensitivity. <i>IScience</i> , 2021, 24, 103323.	4.1	5
42	Kendomycin Cytotoxicity against Bacterial, Fungal, and Mammalian Cells Is Due to Cation Chelation. <i>Journal of Natural Products</i> , 2020, 83, 965-971.	3.0	4
43	CRISPR/Cas9-Based Chemogenomic Profiling in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2019, 1888, 153-174.	0.9	3
44	Deliberations on Natural Products and Future Directions in the Pharmaceutical Industry. <i>Chimia</i> , 2021, 75, 620.	0.6	2
45	Chemogenomic Profiling: Past, Present and Beyond. <i>Cellular & Molecular Medicine: Open Access</i> , 2016, 02, .	0.4	1