

Corey Nislow

List of Publications by Year in descending order

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Version: 2024-02-01

197
papers

21,395
citations

15504

65
h-index

10734

138
g-index

220
all docs

220
docs citations

220
times ranked

31086
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	The Genetic Landscape of a Cell. <i>Science</i> , 2010, 327, 425-431.	12.6	1,937
3	The Chemical Genomic Portrait of Yeast: Uncovering a Phenotype for All Genes. <i>Science</i> , 2008, 320, 362-365.	12.6	892
4	A high-resolution atlas of nucleosome occupancy in yeast. <i>Nature Genetics</i> , 2007, 39, 1235-1244.	21.4	765
5	Inhibition of Mitochondrial Translation as a Therapeutic Strategy for Human Acute Myeloid Leukemia. <i>Cancer Cell</i> , 2011, 20, 674-688.	16.8	546
6	DNA-Damaging Agents in Cancer Chemotherapy: Serendipity and Chemical Biology. <i>Chemistry and Biology</i> , 2013, 20, 648-659.	6.0	465
7	Chemogenomic profiling: Identifying the functional interactions of small molecules in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 793-798.	7.1	460
8	Mechanisms of Haploinsufficiency Revealed by Genome-Wide Profiling in Yeast. <i>Genetics</i> , 2005, 169, 1915-1925.	2.9	460
9	Dissecting DNA damage response pathways by analysing protein localization and abundance changes during DNA replication stress. <i>Nature Cell Biology</i> , 2012, 14, 966-976.	10.3	431
10	A Library of Yeast Transcription Factor Motifs Reveals a Widespread Function for Rsc3 in Targeting Nucleosome Exclusion at Promoters. <i>Molecular Cell</i> , 2008, 32, 878-887.	9.7	415
11	The Yeast Deletion Collection: A Decade of Functional Genomics. <i>Genetics</i> , 2014, 197, 451-465.	2.9	402
12	Most "Dark Matter" Transcripts Are Associated With Known Genes. <i>PLoS Biology</i> , 2010, 8, e1000371.	5.6	377
13	Genotype to Phenotype: A Complex Problem. <i>Science</i> , 2010, 328, 469-469.	12.6	358
14	Microbial and biochemical basis of a <i>Fusarium</i> wilt-suppressive soil. <i>ISME Journal</i> , 2016, 10, 119-129.	9.8	355
15	Systematic exploration of essential yeast gene function with temperature-sensitive mutants. <i>Nature Biotechnology</i> , 2011, 29, 361-367.	17.5	352
16	A plus-end-directed motor enzyme that moves antiparallel microtubules in vitro localizes to the interzone of mitotic spindles. <i>Nature</i> , 1992, 359, 543-547.	27.8	345
17	Systematic pathway analysis using high-resolution fitness profiling of combinatorial gene deletions. <i>Nature Genetics</i> , 2007, 39, 199-206.	21.4	294
18	Systematic exploration of synergistic drug pairs. <i>Molecular Systems Biology</i> , 2011, 7, 544.	7.2	284

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19	Quantitative phenotyping via deep barcode sequencing. <i>Genome Research</i> , 2009, 19, 1836-1842.	5.5	275
20	A molecular barcoded yeast ORF library enables mode-of-action analysis of bioactive compounds. <i>Nature Biotechnology</i> , 2009, 27, 369-377.	17.5	254
21	<i>SET1</i> , A Yeast Member of the <i>Trithorax</i> Family, Functions in Transcriptional Silencing and Diverse Cellular Processes. <i>Molecular Biology of the Cell</i> , 1997, 8, 2421-2436.	2.1	217
22	Mapping the Cellular Response to Small Molecules Using Chemogenomic Fitness Signatures. <i>Science</i> , 2014, 344, 208-211.	12.6	217
23	Global Gene Deletion Analysis Exploring Yeast Filamentous Growth. <i>Science</i> , 2012, 337, 1353-1356.	12.6	186
24	Highly-multiplexed barcode sequencing: an efficient method for parallel analysis of pooled samples. <i>Nucleic Acids Research</i> , 2010, 38, e142-e142.	14.5	184
25	Genome-wide analysis of barcoded <i>Saccharomyces cerevisiae</i> gene-deletion mutants in pooled cultures. <i>Nature Protocols</i> , 2007, 2, 2958-2974.	12.0	179
26	An integrated platform of genomic assays reveals small-molecule bioactivities. <i>Nature Chemical Biology</i> , 2008, 4, 498-506.	8.0	178
27	A predictive model for drug bioaccumulation and bioactivity in <i>Caenorhabditis elegans</i> . <i>Nature Chemical Biology</i> , 2010, 6, 549-557.	8.0	164
28	<i>Caenorhabditis elegans</i> is a useful model for anthelmintic discovery. <i>Nature Communications</i> , 2015, 6, 7485.	12.8	163
29	Reduced Insulin Production Relieves Endoplasmic Reticulum Stress and Induces \hat{I}^2 Cell Proliferation. <i>Cell Metabolism</i> , 2016, 23, 179-193.	16.2	160
30	Combination chemical genetics. <i>Nature Chemical Biology</i> , 2008, 4, 674-681.	8.0	158
31	Genome-Wide Requirements for Resistance to Functionally Distinct DNA-Damaging Agents. <i>PLoS Genetics</i> , 2005, 1, e24.	3.5	144
32	Genome-Wide Screen in <i>Saccharomyces cerevisiae</i> Identifies Vacuolar Protein Sorting, Autophagy, Biosynthetic, and tRNA Methylation Genes Involved in Life Span Regulation. <i>PLoS Genetics</i> , 2010, 6, e1001024.	3.5	144
33	Genome-wide analysis of intracellular pH reveals quantitative control of cell division rate by pHc in <i>Saccharomyces cerevisiae</i> . <i>Genome Biology</i> , 2012, 13, R80.	9.6	139
34	Diversity of Eukaryotic DNA Replication Origins Revealed by Genome-Wide Analysis of Chromatin Structure. <i>PLoS Genetics</i> , 2010, 6, e1001092.	3.5	133
35	Bugs, drugs and chemical genomics. <i>Nature Chemical Biology</i> , 2012, 8, 46-56.	8.0	130
36	Computationally Driven, Quantitative Experiments Discover Genes Required for Mitochondrial Biogenesis. <i>PLoS Genetics</i> , 2009, 5, e1000407.	3.5	129

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37	A Compendium of Nucleosome and Transcript Profiles Reveals Determinants of Chromatin Architecture and Transcription. <i>PLoS Genetics</i> , 2013, 9, e1003479.	3.5	125
38	Identification of a New Class of Antifungals Targeting the Synthesis of Fungal Sphingolipids. <i>MBio</i> , 2015, 6, e00647.	4.1	124
39	Lysosomal disruption preferentially targets acute myeloid leukemia cells and progenitors. <i>Journal of Clinical Investigation</i> , 2013, 123, 315-328.	8.2	117
40	Reduced Circulating Insulin Enhances Insulin Sensitivity in Old Mice and Extends Lifespan. <i>Cell Reports</i> , 2017, 20, 451-463.	6.4	112
41	A survey of yeast genomic assays for drug and target discovery. , 2010, 127, 156-164.		108
42	Extensive role of the general regulatory factors, Abf1 and Rap1, in determining genome-wide chromatin structure in budding yeast. <i>Nucleic Acids Research</i> , 2011, 39, 2032-2044.	14.5	107
43	A unique and universal molecular barcode array. <i>Nature Methods</i> , 2006, 3, 601-603.	19.0	105
44	The extensive and condition-dependent nature of epistasis among whole-genome duplicates in yeast. <i>Genome Research</i> , 2008, 18, 1092-1099.	5.5	105
45	Sequencing and functional analysis of the genome of a nematode egg-parasitic fungus, <i>Pochonia chlamydosporia</i> . <i>Fungal Genetics and Biology</i> , 2014, 65, 69-80.	2.1	105
46	Mitochondrial Electron Transport Is the Cellular Target of the Oncology Drug Elesclomol. <i>PLoS ONE</i> , 2012, 7, e29798.	2.5	105
47	Recent advances and method development for drug target identification. <i>Trends in Pharmacological Sciences</i> , 2010, 31, 82-88.	8.7	102
48	Integrating high-throughput genetic interaction mapping and high-content screening to explore yeast spindle morphogenesis. <i>Journal of Cell Biology</i> , 2010, 188, 69-81.	5.2	100
49	Introns Regulate RNA and Protein Abundance in Yeast. <i>Genetics</i> , 2006, 174, 511-518.	2.9	99
50	Yeast Barcoders: a chemogenomic application of a universal donor-strain collection carrying bar-code identifiers. <i>Nature Methods</i> , 2008, 5, 719-725.	19.0	99
51	Whole Genome Duplication and Enrichment of Metal Cation Transporters Revealed by De Novo Genome Sequencing of Extremely Halotolerant Black Yeast <i>Hortaea werneckii</i> . <i>PLoS ONE</i> , 2013, 8, e71328.	2.5	96
52	Sputum Microbiome Is Associated with 1-Year Mortality after Chronic Obstructive Pulmonary Disease Hospitalizations. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1205-1213.	5.6	95
53	Systematic analysis of genome-wide fitness data in yeast reveals novel gene function and drug action. <i>Genome Biology</i> , 2010, 11, R30.	9.6	94
54	Multiple Means to the Same End: The Genetic Basis of Acquired Stress Resistance in Yeast. <i>PLoS Genetics</i> , 2011, 7, e1002353.	3.5	91

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55	Dosage suppression genetic interaction networks enhance functional wiring diagrams of the cell. <i>Nature Biotechnology</i> , 2011, 29, 505-511.	17.5	90
56	Genetic and Genomic Architecture of the Evolution of Resistance to Antifungal Drug Combinations. <i>PLoS Genetics</i> , 2013, 9, e1003390.	3.5	90
57	Two-Color Cell Array Screen Reveals Interdependent Roles for Histone Chaperones and a Chromatin Boundary Regulator in Histone Gene Repression. <i>Molecular Cell</i> , 2009, 35, 340-351.	9.7	88
58	Yeast chemical genomics and drug discovery: an update. <i>Trends in Pharmacological Sciences</i> , 2008, 29, 499-504.	8.7	87
59	Gene Annotation and Drug Target Discovery in <i>Candida albicans</i> with a Tagged Transposon Mutant Collection. <i>PLoS Pathogens</i> , 2010, 6, e1001140.	4.7	85
60	Identification of Small Molecule Inhibitors of <i>Pseudomonas aeruginosa</i> Exoenzyme S Using a Yeast Phenotypic Screen. <i>PLoS Genetics</i> , 2008, 4, e1000005.	3.5	84
61	Identification of Genes Involved in the Toxic Response of <i>Saccharomyces cerevisiae</i> against Iron and Copper Overload by Parallel Analysis of Deletion Mutants. <i>Toxicological Sciences</i> , 2008, 101, 140-151.	3.1	81
62	Off-Target Effects of Psychoactive Drugs Revealed by Genome-Wide Assays in Yeast. <i>PLoS Genetics</i> , 2008, 4, e1000151.	3.5	79
63	Dual action antifungal small molecule modulates multidrug efflux and TOR signaling. <i>Nature Chemical Biology</i> , 2016, 12, 867-875.	8.0	79
64	Chromatin is an ancient innovation conserved between Archaea and Eukarya. <i>ELife</i> , 2012, 1, e00078.	6.0	78
65	Complementation of Yeast Genes with Human Genes as an Experimental Platform for Functional Testing of Human Genetic Variants. <i>Genetics</i> , 2015, 201, 1263-1274.	2.9	77
66	Knocking out multigene redundancies via cycles of sexual assortment and fluorescence selection. <i>Nature Methods</i> , 2011, 8, 159-164.	19.0	74
67	Global Analysis of the Fungal Microbiome in Cystic Fibrosis Patients Reveals Loss of Function of the Transcriptional Repressor <i>Nrg1</i> as a Mechanism of Pathogen Adaptation. <i>PLoS Pathogens</i> , 2015, 11, e1005308.	4.7	74
68	Endophytic colonization of barley (<i>Hordeum vulgare</i>) roots by the nematophagous fungus <i>Pochonia chlamydosporia</i> reveals plant growth promotion and a general defense and stress transcriptomic response. <i>Journal of Plant Research</i> , 2015, 128, 665-678.	2.4	73
69	Functional Analysis With a Barcoder Yeast Gene Overexpression System. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 1279-1289.	1.8	72
70	Alternative Splicing of <i>PTC7</i> in <i>Saccharomyces cerevisiae</i> Determines Protein Localization. <i>Genetics</i> , 2009, 183, 185-194.	2.9	71
71	New azole antifungal agents with novel modes of action: Synthesis and biological studies of new tridentate ligands based on pyrazole and triazole. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4117-4124.	5.5	68
72	Reconstitution and characterization of eukaryotic N6-threonylcarbamoylation of tRNA using a minimal enzyme system. <i>Nucleic Acids Research</i> , 2013, 41, 6332-6346.	14.5	68

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73	Open Source Drug Discovery: Highly Potent Antimalarial Compounds Derived from the Tres Cantos Arylpyrroles. <i>ACS Central Science</i> , 2016, 2, 687-701.	11.3	68
74	Phenotypic diversity and genotypic flexibility of <i>Burkholderia cenocepacia</i> during long-term chronic infection of cystic fibrosis lungs. <i>Genome Research</i> , 2017, 27, 650-662.	5.5	64
75	14-3-3 σ coordinates adipogenesis of visceral fat. <i>Nature Communications</i> , 2015, 6, 7671.	12.8	62
76	Global analysis of SUMO chain function reveals multiple roles in chromatin regulation. <i>Journal of Cell Biology</i> , 2013, 201, 145-163.	5.2	58
77	Broad metabolic sensitivity profiling of a prototrophic yeast deletion collection. <i>Genome Biology</i> , 2014, 15, R64.	9.6	57
78	Accelerating the Discovery of Biologically Active Small Molecules Using a High-Throughput Yeast Halo Assay. <i>Journal of Natural Products</i> , 2007, 70, 383-390.	3.0	56
79	Pharmacogenomic Testing: Clinical Evidence and Implementation Challenges. <i>Journal of Personalized Medicine</i> , 2019, 9, 40.	2.5	55
80	A universal TagModule collection for parallel genetic analysis of microorganisms. <i>Nucleic Acids Research</i> , 2010, 38, e146-e146.	14.5	54
81	Serum MicroRNAs Reflect Injury Severity in a Large Animal Model of Thoracic Spinal Cord Injury. <i>Scientific Reports</i> , 2017, 7, 1376.	3.3	52
82	Genome-wide RNAi analysis reveals that simultaneous inhibition of specific mevalonate pathway genes potentiates tumor cell death. <i>Oncotarget</i> , 2015, 6, 26909-26921.	1.8	52
83	Identification of yeast genes that confer resistance to chitosan oligosaccharide (COS) using chemogenomics. <i>BMC Genomics</i> , 2012, 13, 267.	2.8	50
84	The SWI/SNF complex acts to constrain distribution of the centromeric histone variant Cse4. <i>EMBO Journal</i> , 2011, 30, 1919-1927.	7.8	47
85	MicroRNA Biomarkers in Cerebrospinal Fluid and Serum Reflect Injury Severity in Human Acute Traumatic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 2358-2371.	3.4	46
86	Using <i>C. elegans</i> Forward and Reverse Genetics to Identify New Compounds with Anthelmintic Activity. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005058.	3.0	45
87	GC-Rich DNA Elements Enable Replication Origin Activity in the Methylophilic Yeast <i>Pichia pastoris</i> . <i>PLoS Genetics</i> , 2014, 10, e1004169.	3.5	44
88	Effects of Inhaled Corticosteroid/Long-Acting β_2 -Agonist Combination on the Airway Microbiome of Patients with Chronic Obstructive Pulmonary Disease: A Randomized Controlled Clinical Trial (DISARM). <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1143-1152.	5.6	44
89	Target Identification by Chromatographic Co-elution: Monitoring of Drug-Protein Interactions without Immobilization or Chemical Derivatization. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.016642-1-M111.016642-14.	3.8	43
90	Compound Prioritization Methods Increase Rates of Chemical Probe Discovery in Model Organisms. <i>Chemistry and Biology</i> , 2011, 18, 1273-1283.	6.0	41

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91	Curcumin Inhibits Growth of <i>Saccharomyces cerevisiae</i> through Iron Chelation. <i>Eukaryotic Cell</i> , 2011, 10, 1574-1581.	3.4	40
92	Restriction of histone gene transcription to S phase by phosphorylation of a chromatin boundary protein. <i>Genes and Development</i> , 2011, 25, 2489-2501.	5.9	40
93	Caryolan-1-ol, an antifungal volatile produced by <i>Streptomyces</i> spp., inhibits the endomembrane system of fungi. <i>Open Biology</i> , 2017, 7, 170075.	3.6	40
94	Comparative Chemogenomics To Examine the Mechanism of Action of DNA-Targeted Platinum-Acridine Anticancer Agents. <i>ACS Chemical Biology</i> , 2012, 7, 1892-1901.	3.4	39
95	PITPs as targets for selectively interfering with phosphoinositide signaling in cells. <i>Nature Chemical Biology</i> , 2014, 10, 76-84.	8.0	39
96	Insight into the Recent Genome Duplication of the Halophilic Yeast <i>Hortaea werneckii</i> : Combining an Improved Genome with Gene Expression and Chromatin Structure. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2015-2022.	1.8	39
97	Reducing insulin via conditional partial gene ablation in adults reverses diet-induced weight gain. <i>FASEB Journal</i> , 2018, 32, 1196-1206.	0.5	39
98	Genome Sequence of <i>Shigella flexneri</i> Serotype 5a Strain M90T Sm. <i>Journal of Bacteriology</i> , 2012, 194, 3022-3022.	2.2	38
99	An Updated Collection of Sequence Barcoded Temperature-Sensitive Alleles of Yeast Essential Genes. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1879-1887.	1.8	38
100	Chemical Genetic Profiling of Imidazo[1,2-a]pyridines and -Pyrimidines Reveals Target Pathways Conserved between Yeast and Human Cells. <i>PLoS Genetics</i> , 2008, 4, e1000284.	3.5	37
101	Novel insights into iron metabolism by integrating deletome and transcriptome analysis in an iron deficiency model of the yeast <i>Saccharomyces cerevisiae</i> . <i>BMC Genomics</i> , 2009, 10, 130.	2.8	35
102	Molecular components of the mitotic spindle. <i>BioEssays</i> , 1992, 14, 81-88.	2.5	34
103	Regionalized Cell Division during Sea Urchin Gastrulation Contributes to Archenteron Formation and Is Correlated with the Establishment of Larval Symmetry. (sea urchin/gastrulation/cell) <i>Tj ETQq1 1 0.784314 rgB5 /Overlap 10 Tf</i>	1.8	34
104	A comprehensive platform for highly multiplexed mammalian functional genetic screens. <i>BMC Genomics</i> , 2011, 12, 213.	2.8	31
105	Response to "The Reality of Pervasive Transcription". <i>PLoS Biology</i> , 2011, 9, e1001102.	5.6	30
106	Timing of Transcriptional Quiescence during Gametogenesis Is Controlled by Global Histone H3K4 Demethylation. <i>Developmental Cell</i> , 2012, 23, 1059-1071.	7.0	29
107	A genome scale overexpression screen to reveal drug activity in human cells. <i>Genome Medicine</i> , 2014, 6, 32.	8.2	29
108	Biological and therapeutic implications of a unique subtype of NPM1 mutated AML. <i>Nature Communications</i> , 2021, 12, 1054.	12.8	29

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109	Competitive Genomic Screens of Barcoded Yeast Libraries. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	28
110	Evolution of Nucleosome Occupancy: Conservation of Global Properties and Divergence of Gene-Specific Patterns. <i>Molecular and Cellular Biology</i> , 2011, 31, 4348-4355.	2.3	28
111	Combining chemical genomics screens in yeast to reveal spectrum of effects of chemical inhibition of sphingolipid biosynthesis. <i>BMC Microbiology</i> , 2009, 9, 9.	3.3	27
112	Exploring Gene Function and Drug Action Using Chemogenomic Dosage Assays. <i>Methods in Enzymology</i> , 2010, 470, 233-255.	1.0	27
113	Dafadine inhibits DAF-9 to promote dauer formation and longevity of <i>Caenorhabditis elegans</i> . <i>Nature Chemical Biology</i> , 2011, 7, 891-893.	8.0	27
114	Large-Scale Identification and Analysis of Suppressive Drug Interactions. <i>Chemistry and Biology</i> , 2014, 21, 541-551.	6.0	27
115	Chromosome-wide histone deacetylation by sirtuins prevents hyperactivation of DNA damage-induced signaling upon replicative stress. <i>Nucleic Acids Research</i> , 2016, 44, 2706-2726.	14.5	27
116	Idebenone and coenzyme Q10 are novel PPAR α/β ligands, with potential for treatment of fatty liver diseases. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	26
117	A Global Perspective of the Genetic Basis for Carbonyl Stress Resistance. <i>G3: Genes, Genomes, Genetics</i> , 2011, 1, 219-231.	1.8	25
118	A Signaling Lipid Associated with Alzheimer's Disease Promotes Mitochondrial Dysfunction. <i>Scientific Reports</i> , 2016, 6, 19332.	3.3	25
119	The Automated Cell: Compound and Environment Screening System (ACCESS) for Chemogenomic Screening. <i>Methods in Molecular Biology</i> , 2011, 759, 239-269.	0.9	25
120	Examining protein protein interactions using endogenously tagged yeast arrays: The Cross-and-Capture system. <i>Genome Research</i> , 2007, 17, 1774-1782.	5.5	24
121	Novel Anti-Campylobacter Compounds Identified Using High Throughput Screening of a Pre-selected Enriched Small Molecules Library. <i>Frontiers in Microbiology</i> , 2016, 7, 405.	3.5	24
122	Genes Required for Survival in Microgravity Revealed by Genome-Wide Yeast Deletion Collections Cultured during Spaceflight. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	23
123	Design, Synthesis, and Characterization of a Highly Effective Hog1 Inhibitor: A Powerful Tool for Analyzing MAP Kinase Signaling in Yeast. <i>PLoS ONE</i> , 2011, 6, e20012.	2.5	23
124	Effects of the Paf1 Complex and Histone Modifications on snoRNA 3' End Formation Reveal Broad and Locus-Specific Regulation. <i>Molecular and Cellular Biology</i> , 2013, 33, 170-182.	2.3	22
125	Select microtubule inhibitors increase lysosome acidity and promote lysosomal disruption in acute myeloid leukemia (AML) cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 948-959.	4.9	22
126	PH-domain-binding inhibitors of nucleotide exchange factor BRAG2 disrupt Arf GTPase signaling. <i>Nature Chemical Biology</i> , 2019, 15, 358-366.	8.0	22

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127	A Systems Biology Approach Reveals the Role of a Novel Methyltransferase in Response to Chemical Stress and Lipid Homeostasis. <i>PLoS Genetics</i> , 2011, 7, e1002332.	3.5	21
128	Chemical-genetic approaches for exploring the mode of action of natural products. , 2008, 66, 237-271.		20
129	A unified model for yeast transcript definition. <i>Genome Research</i> , 2014, 24, 154-166.	5.5	20
130	Beta-cell specific <i>Insr</i> deletion promotes insulin hypersecretion and improves glucose tolerance prior to global insulin resistance. <i>Nature Communications</i> , 2022, 13, 735.	12.8	20
131	A High-Throughput Yeast Assay Identifies Synergistic Drug Combinations. <i>Assay and Drug Development Technologies</i> , 2013, 11, 299-307.	1.2	18
132	Discovery of novel small molecule modulators of <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1127.	3.5	18
133	Absence of Activation of DNA Repair Genes and Excellent Efficacy of Phosphaplatins against Human Ovarian Cancers: Implications To Treat Resistant Cancers. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8387-8401.	6.4	18
134	Experimental approaches to identify genetic networks. <i>Current Opinion in Biotechnology</i> , 2006, 17, 472-480.	6.6	17
135	CHIP-MYTH: A novel interactive proteomics method for the assessment of agonist-dependent interactions of the human β 2-adrenergic receptor. <i>Biochemical and Biophysical Research Communications</i> , 2014, 445, 746-756.	2.1	17
136	Chemical Genomic Profiling for Identifying Intracellular Targets of Toxicants Producing Parkinson's Disease. <i>Toxicological Sciences</i> , 2007, 95, 182-187.	3.1	16
137	Transformed Recombinant Enrichment Profiling Rapidly Identifies HMW1 as an Intracellular Invasion Locus in <i>Haemophilus influenzae</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005576.	4.7	16
138	A phenotypic screening platform to identify small molecule modulators of <i>Chlamydomonas reinhardtii</i> growth, motility and photosynthesis. <i>Genome Biology</i> , 2012, 13, R105.	9.6	15
139	Precise Gene-Dose Alleles for Chemical Genetics. <i>Genetics</i> , 2009, 182, 623-626.	2.9	14
140	Barcode Sequencing for Understanding Drug-Gene Interactions. <i>Methods in Molecular Biology</i> , 2012, 910, 55-69.	0.9	14
141	Complete Genome Sequence of <i>Haemophilus influenzae</i> Strain 375 from the Middle Ear of a Pediatric Patient with Otitis Media. <i>Genome Announcements</i> , 2014, 2, .	0.8	14
142	Transcriptome analysis of <i>Campylobacter jejuni</i> polyphosphate kinase (<i>ppk1</i> and <i>ppk2</i>) mutants. <i>Virulence</i> , 2015, 6, 814-818.	4.4	14
143	Pharmacogenomics at the Point of Care: A Community Pharmacy Project in British Columbia. <i>Journal of Personalized Medicine</i> , 2021, 11, 11.	2.5	14
144	A comparative analysis of DNA barcode microarray feature size. <i>BMC Genomics</i> , 2009, 10, 471.	2.8	13

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145	Conserved Substitution Patterns around Nucleosome Footprints in Eukaryotes and Archaea Derive from Frequent Nucleosome Repositioning through Evolution. <i>PLoS Computational Biology</i> , 2013, 9, e1003373.	3.2	13
146	Chemical Genomic Screening of a <i>Saccharomyces cerevisiae</i> Genomewide Mutant Collection Reveals Genes Required for Defense against Four Antimicrobial Peptides Derived from Proteins Found in Human Saliva. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 840-847.	3.2	13
147	Heparanase protects the heart against chemical or ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 131, 29-40.	1.9	13
148	Reverse Chemical Genetics: Comprehensive Fitness Profiling Reveals the Spectrum of Drug Target Interactions. <i>PLoS Genetics</i> , 2016, 12, e1006275.	3.5	13
149	Broad-spectrum antifungal activities and mechanism of drimane sesquiterpenoids. <i>Microbial Cell</i> , 2020, 7, 146-159.	3.2	13
150	Comparative functional genomic screens of three yeast deletion collections reveal unexpected effects of genotype in response to diverse stress. <i>Open Biology</i> , 2017, 7, 160330.	3.6	12
151	Heparanase Overexpression Induces Glucagon Resistance and Protects Animals From Chemically Induced Diabetes. <i>Diabetes</i> , 2017, 66, 45-57.	0.6	12
152	De novo pathogenic <i>DNM1L</i> variant in a patient diagnosed with atypical hereditary sensory and autonomic neuropathy. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e00961.	1.2	12
153	Chemogenomic Approaches to Elucidation of Gene Function and Genetic Pathways. <i>Methods in Molecular Biology</i> , 2009, 548, 115-143.	0.9	12
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