

Mike Tyers

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

15,851
citations

43
h-index

100
g-index

100
ext. papers

19,128
ext. citations

15.9
avg, IF

6.42
L-index

#	Paper	IF	Citations
89	BioGRID: a general repository for interaction datasets. <i>Nucleic Acids Research</i> , 2006 , 34, D535-9	20.1	2638
88	Systematic genetic analysis with ordered arrays of yeast deletion mutants. <i>Science</i> , 2001 , 294, 2364-8	33.3	1676
87	The chemical genomic portrait of yeast: uncovering a phenotype for all genes. <i>Science</i> , 2008 , 320, 362-5	33.3	769
86	From genomics to proteomics. <i>Nature</i> , 2003 , 422, 193-7	50.4	734
85	The BioGRID interaction database: 2015 update. <i>Nucleic Acids Research</i> , 2015 , 43, D470-8	20.1	714
84	The BioGRID interaction database: 2017 update. <i>Nucleic Acids Research</i> , 2017 , 45, D369-D379	20.1	682
83	Multisite phosphorylation of a CDK inhibitor sets a threshold for the onset of DNA replication. <i>Nature</i> , 2001 , 414, 514-21	50.4	639
82	The BioGRID interaction database: 2019 update. <i>Nucleic Acids Research</i> , 2019 , 47, D529-D541	20.1	626
81	Systematic identification of pathways that couple cell growth and division in yeast. <i>Science</i> , 2002 , 297, 395-400	33.3	607
80	A global protein kinase and phosphatase interaction network in yeast. <i>Science</i> , 2010 , 328, 1043-6	33.3	523
79	A dynamic transcriptional network communicates growth potential to ribosome synthesis and critical cell size. <i>Genes and Development</i> , 2004 , 18, 2491-505	12.6	472
78	How cells coordinate growth and division. <i>Current Biology</i> , 2004 , 14, R1014-27	6.3	441
77	BoxPlotR: a web tool for generation of box plots. <i>Nature Methods</i> , 2014 , 11, 121-2	21.6	434
76	The cell-cycle regulatory protein Cks1 is required for SCF(Skp2)-mediated ubiquitinylation of p27. <i>Nature Cell Biology</i> , 2001 , 3, 321-4	23.4	415
75	CDK activity antagonizes Whi5, an inhibitor of G1/S transcription in yeast. <i>Cell</i> , 2004 , 117, 899-913	56.2	340
74	Drug combinations: a strategy to extend the life of antibiotics in the 21st century. <i>Nature Reviews Microbiology</i> , 2019 , 17, 141-155	22.2	269
73	The size of the nucleus increases as yeast cells grow. <i>Molecular Biology of the Cell</i> , 2007 , 18, 3523-32	3.5	265

72	Comprehensive curation and analysis of global interaction networks in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biology</i> , 2006 , 5, 11		246
71	PSICQUIC and PSIScore: accessing and scoring molecular interactions. <i>Nature Methods</i> , 2011 , 8, 528-9	21.6	227
70	Broadening the horizon--level 2.5 of the HUPO-PSI format for molecular interactions. <i>BMC Biology</i> , 2007 , 5, 44	7.3	204
69	A strategy for modulation of enzymes in the ubiquitin system. <i>Science</i> , 2013 , 339, 590-5	33.3	199
68	The GRID: the General Repository for Interaction Datasets. <i>Genome Biology</i> , 2003 , 4, R23	18.3	181
67	An allosteric inhibitor of the human Cdc34 ubiquitin-conjugating enzyme. <i>Cell</i> , 2011 , 145, 1075-87	56.2	172
66	The BioGRID database: A comprehensive biomedical resource of curated protein, genetic, and chemical interactions. <i>Protein Science</i> , 2021 , 30, 187-200	6.3	149
65	Inhibition of Dopamine Receptor D4 Impedes Autophagic Flux, Proliferation, and Survival of Glioblastoma Stem Cells. <i>Cancer Cell</i> , 2016 , 29, 859-873	24.3	124
64	Sch9 regulates ribosome biogenesis via Stb3, Dot6 and Tod6 and the histone deacetylase complex RPD3L. <i>EMBO Journal</i> , 2011 , 30, 3052-64	13	119
63	An allosteric inhibitor of substrate recognition by the SCF(Cdc4) ubiquitin ligase. <i>Nature Biotechnology</i> , 2010 , 28, 733-7	44.5	118
62	The Protein-Protein Interaction tasks of BioCreative III: classification/ranking of articles and linking bio-ontology concepts to full text. <i>BMC Bioinformatics</i> , 2011 , 12 Suppl 8, S3	3.6	104
61	<i>Caenorhabditis elegans</i> is a useful model for anthelmintic discovery. <i>Nature Communications</i> , 2015 , 6, 7485	17.4	103
60	Functional genomics and proteomics: charting a multidimensional map of the yeast cell. <i>Trends in Cell Biology</i> , 2003 , 13, 344-56	18.3	102
59	WD40 repeat domain proteins: a novel target class?. <i>Nature Reviews Drug Discovery</i> , 2017 , 16, 773-786	64.1	101
58	Regulation of cell cycle progression by Swe1p and Hog1p following hypertonic stress. <i>Molecular Biology of the Cell</i> , 2001 , 12, 53-62	3.5	87
57	The PhosphoGRID <i>Saccharomyces cerevisiae</i> protein phosphorylation site database: version 2.0 update. <i>Database: the Journal of Biological Databases and Curation</i> , 2013 , 2013, bat026	5	85
56	Mubritinib Targets the Electron Transport Chain Complex I and Reveals the Landscape of OXPHOS Dependency in Acute Myeloid Leukemia. <i>Cancer Cell</i> , 2019 , 36, 84-99.e8	24.3	75
55	Yeast G1 cyclins are unstable in G1 phase. <i>Nature</i> , 1998 , 395, 86-9	50.4	61

54	Human CPR (cell cycle progression restoration) genes impart a Far- phenotype on yeast cells. <i>Genetics</i> , 1997 , 147, 1063-76	4	60
53	E2 enzyme inhibition by stabilization of a low-affinity interface with ubiquitin. <i>Nature Chemical Biology</i> , 2014 , 10, 156-163	11.7	58
52	Size control goes global. <i>Current Opinion in Biotechnology</i> , 2007 , 18, 341-50	11.4	58
51	An Antifungal Combination Matrix Identifies a Rich Pool of Adjuvant Molecules that Enhance Drug Activity against Diverse Fungal Pathogens. <i>Cell Reports</i> , 2015 , 13, 1481-1492	10.6	54
50	Prediction of Synergism from Chemical-Genetic Interactions by Machine Learning. <i>Cell Systems</i> , 2015 , 1, 383-95	10.6	54
49	Recurated protein interaction datasets. <i>Nature Methods</i> , 2009 , 6, 860-1	21.6	48
48	Inhibition of SCF ubiquitin ligases by engineered ubiquitin variants that target the Cul1 binding site on the Skp1-F-box interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3527-32	11.5	47
47	A Rab escort protein integrates the secretion system with TOR signaling and ribosome biogenesis. <i>Genes and Development</i> , 2009 , 23, 1944-58	12.6	43
46	Metabolic Regulation of the Epigenome Drives Lethal Infantile Ependymoma. <i>Cell</i> , 2020 , 181, 1329-1345.e24	9.24	40
45	BioGRID: A Resource for Studying Biological Interactions in Yeast. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016, pdb.top080754	1.2	37
44	Data Independent Acquisition analysis in ProHits 4.0. <i>Journal of Proteomics</i> , 2016 , 149, 64-68	3.9	37
43	A High-Resolution Genome-Wide CRISPR/Cas9 Viability Screen Reveals Structural Features and Contextual Diversity of the Human Cell-Essential Proteome. <i>Molecular and Cellular Biology</i> , 2018 , 38,	4.8	33
42	Structural basis for the recruitment of glycogen synthase by glycogenin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2831-40	11.5	33
41	Conserved structural mechanisms for autoinhibition in IpaH ubiquitin ligases. <i>Journal of Biological Chemistry</i> , 2012 , 287, 268-275	5.4	33
40	Pharmacological inhibition of PRMT7 links arginine monomethylation to the cellular stress response. <i>Nature Communications</i> , 2020 , 11, 2396	17.4	29
39	Cdc48/VCP Promotes Chromosome Morphogenesis by Releasing Condensin from Self-Entrapment in Chromatin. <i>Molecular Cell</i> , 2018 , 69, 664-676.e5	17.6	29
38	An allosteric conduit facilitates dynamic multisite substrate recognition by the SCF ubiquitin ligase. <i>Nature Communications</i> , 2017 , 8, 13943	17.4	28
37	G1/S Transcription Factor Copy Number Is a Growth-Dependent Determinant of Cell Cycle Commitment in Yeast. <i>Cell Systems</i> , 2018 , 6, 539-554.e11	10.6	27

36	Cell cycle goes global. <i>Current Opinion in Cell Biology</i> , 2004 , 16, 602-13	9	25
35	BioCreative V BioC track overview: collaborative biocurator assistant task for BioGRID. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016,	5	23
34	The BioC-BioGRID corpus: full text articles annotated for curation of protein-protein and genetic interactions. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	23
33	PRMT5 inhibition disrupts splicing and stemness in glioblastoma. <i>Nature Communications</i> , 2021 , 12, 979	17.4	23
32	A loss of function analysis of host factors influencing Vaccinia virus replication by RNA interference. <i>PLoS ONE</i> , 2014 , 9, e98431	3.7	22
31	Proteome-wide, Structure-Based Prediction of Protein-Protein Interactions/New Molecular Interactions Viewer. <i>Plant Physiology</i> , 2019 , 179, 1893-1907	6.6	21
30	Targeting the INCENP IN-box-Aurora B interaction to inhibit CPC activity in vivo. <i>Open Biology</i> , 2014 , 4, 140163	7	20
29	Robust cullin-RING ligase function is established by a multiplicity of poly-ubiquitylation pathways. <i>ELife</i> , 2019 , 8,	8.9	20
28	Discovery of Ibomycin, a Complex Macrolactone that Exerts Antifungal Activity by Impeding Endocytic Trafficking and Membrane Function. <i>Cell Chemical Biology</i> , 2016 , 23, 1383-1394	8.2	19
27	Use of the BioGRID Database for Analysis of Yeast Protein and Genetic Interactions. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016, pdb.prot088880	1.2	19
26	Using ProHits to store, annotate, and analyze affinity purification-mass spectrometry (AP-MS) data. <i>Current Protocols in Bioinformatics</i> , 2012 , Chapter 8, Unit8.16	24.2	17
25	Multivalent Interactions with Fbw7 and Pin1 Facilitate Recognition of c-Jun by the SCF Ubiquitin Ligase. <i>Structure</i> , 2018 , 26, 28-39.e2	5.2	17
24	Imipridone Anticancer Compounds Ectopically Activate the ClpP Protease and Represent a New Scaffold for Antibiotic Development. <i>Genetics</i> , 2020 , 214, 1103-1120	4	16
23	The p38/HOG stress-activated protein kinase network couples growth to division in <i>Candida albicans</i> . <i>PLoS Genetics</i> , 2019 , 15, e1008052	6	15
22	CLMSVault: A Software Suite for Protein Cross-Linking Mass-Spectrometry Data Analysis and Visualization. <i>Journal of Proteome Research</i> , 2017 , 16, 2645-2652	5.6	14
21	UM171 Preserves Epigenetic Marks that Are Reduced in Ex Vivo Culture of Human HSCs via Potentiation of the CLR3-KBTBD4 Complex. <i>Cell Stem Cell</i> , 2021 , 28, 48-62.e6	18	11
20	Condensin ATPase motifs contribute differentially to the maintenance of chromosome morphology and genome stability. <i>PLoS Biology</i> , 2018 , 16, e2003980	9.7	11
19	Systematic chemical-genetic and chemical-chemical interaction datasets for prediction of compound synergism. <i>Scientific Data</i> , 2016 , 3, 160095	8.2	9

18	Crippling life support for SARS-CoV-2 and other viruses through synthetic lethality. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	9
17	Genome-Wide Screens Reveal that Resveratrol Induces Replicative Stress in Human Cells. <i>Molecular Cell</i> , 2020 , 79, 846-856.e8	17.6	8
16	At Long Last, a C-Terminal Bookend for the Ubiquitin Code. <i>Molecular Cell</i> , 2018 , 70, 568-571	17.6	7
15	Synthetic Genomics: Rewriting the Genome Chromosome by Chromosome. <i>Molecular Cell</i> , 2017 , 66, 441-448	17.4	6
14	Real-time tracking of complex ubiquitination cascades using a fluorescent confocal on-bead assay. <i>BMC Biology</i> , 2018 , 16, 88	7.3	6
13	G1/S transcription factors assemble in increasing numbers of discrete clusters through G1 phase. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	4
12	Identification and optimization of molecular glue compounds that inhibit a noncovalent E2 enzyme-ubiquitin complex. <i>Science Advances</i> , 2021 , 7, eabi5797	14.3	4
11	Gene Information eXtension (GIX): effortless retrieval of gene product information on any website. <i>Nature Methods</i> , 2019 , 16, 665-666	21.6	3
10	A novel p53 regulator, C16ORF72/TAPR1, buffers against telomerase inhibition. <i>Aging Cell</i> , 2021 , 20, e13331	9.9	3
9	Panspecies small-molecule disruptors of heterochromatin-mediated transcriptional gene silencing. <i>Molecular and Cellular Biology</i> , 2015 , 35, 662-74	4.8	2
8	Chemical Genetics Screen Identifies COPB2 Tool Compounds That Alters ER Stress Response and Induces RTK Dysregulation in Lung Cancer Cells. <i>Journal of Molecular Biology</i> , 2021 , 433, 167294	6.5	2
7	A novel class of inhibitors that target SRSF10 and promote p53-mediated cytotoxicity on human colorectal cancer cells. <i>NAR Cancer</i> , 2021 , 3, zcab019	5.2	2
6	A nitrogen source-regulated microprotein confers an alternative mechanism of G1/S transcriptional activation in budding yeast		1
5	Mubritinib Targets the Electron Transport Chain Complex I and Reveals the Landscape of Mitochondrial Vulnerability in Acute Myeloid Leukemia. <i>Blood</i> , 2018 , 132, 910-910	2.2	0
4	The microprotein Nrs1 rewires the G1/S transcriptional machinery during nitrogen limitation in budding yeast.. <i>PLoS Biology</i> , 2022 , 20, e3001548	9.7	0
3	The timing of Start is determined primarily by increased synthesis of the Cln3 activator rather than dilution of the Whi5 inhibitor.. <i>Molecular Biology of the Cell</i> , 2022 , 33, rp2	3.5	0
2	Phosphorylation-Dependent Substrate Recognition in Ubiquitin-Mediated Proteolysis 2002 , 37-66		
1	Chemogenomic Approach Unveils the Increased Susceptibility of RUNX1-Mutated AML to Glucocorticoids. <i>Blood</i> , 2018 , 132, 4675-4675	2.2	

