

Hugh D Mitchell

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,372
citations

279798

23
h-index

302126

39
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41
all docs

41
docs citations

41
times ranked

4681
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand-dependent and -independent Transforming Growth Factor- β 2 Receptor Recycling Regulated by Clathrin-mediated Endocytosis and Rab11. <i>Molecular Biology of the Cell</i> , 2004, 15, 4166-4178.	2.1	193
2	Transforming Growth Factor- β 2 Activation of Phosphatidylinositol 3-Kinase Is Independent of Smad2 and Smad3 and Regulates Fibroblast Responses via p21-Activated Kinase-2. <i>Cancer Research</i> , 2005, 65, 10431-10440.	0.9	183
3	Automated mass spectrometry imaging of over 2000 proteins from tissue sections at 100- μ m spatial resolution. <i>Nature Communications</i> , 2020, 11, 8.	12.8	178
4	Internalization-Dependent and -Independent Requirements for Transforming Growth Factor β 2 Receptor Signaling via the Smad Pathway. <i>Molecular and Cellular Biology</i> , 2002, 22, 4750-4759.	2.3	177
5	Challenges in biomarker discovery: combining expert insights with statistical analysis of complex omics data. <i>Expert Opinion on Medical Diagnostics</i> , 2013, 7, 37-51.	1.6	154
6	MERS-CoV and H5N1 influenza virus antagonize antigen presentation by altering the epigenetic landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1012-E1021.	7.1	142
7	Synthetic Estrogen Derivatives Demonstrate the Functionality of Intracellular GPR30. <i>ACS Chemical Biology</i> , 2007, 2, 536-544.	3.4	141
8	MERS-CoV Accessory ORFs Play Key Role for Infection and Pathogenesis. <i>MBio</i> , 2017, 8, .	4.1	126
9	Middle East Respiratory Syndrome Coronavirus Nonstructural Protein 16 Is Necessary for Interferon Resistance and Viral Pathogenesis. <i>MSphere</i> , 2017, 2, .	2.9	92
10	Intracellular pathways for lignin catabolism in white-rot fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	82
11	Comprehensive Proteomics Analysis of Stressed Human Islets Identifies GDF15 as a Target for Type 1 Diabetes Intervention. <i>Cell Metabolism</i> , 2020, 31, 363-374.e6.	16.2	78
12	Combination Therapy with Vidaza and Entinostat Suppresses Tumor Growth and Reprograms the Epigenome in an Orthotopic Lung Cancer Model. <i>Cancer Research</i> , 2011, 71, 454-462.	0.9	70
13	The Highly Conserved MraZ Protein Is a Transcriptional Regulator in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2014, 196, 2053-2066.	2.2	69
14	A Network Integration Approach to Predict Conserved Regulators Related to Pathogenicity of Influenza and SARS-CoV Respiratory Viruses. <i>PLoS ONE</i> , 2013, 8, e69374.	2.5	68
15	Higher Level of Replication Efficiency of 2009 (H1N1) Pandemic Influenza Virus than Those of Seasonal and Avian Strains: Kinetics from Epithelial Cell Culture and Computational Modeling. <i>Journal of Virology</i> , 2011, 85, 1125-1135.	3.4	64
16	A comprehensive collection of systems biology data characterizing the host response to viral infection. <i>Scientific Data</i> , 2014, 1, 140033.	5.3	62
17	The effect of inhibition of PP1 and TNF α signaling on pathogenesis of SARS coronavirus. <i>BMC Systems Biology</i> , 2016, 10, 93.	3.0	58
18	Combination Attenuation Offers Strategy for Live Attenuated Coronavirus Vaccines. <i>Journal of Virology</i> , 2018, 92, .	3.4	58

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19	Salmonella modulates metabolism during growth under conditions that induce expression of virulence genes. <i>Molecular BioSystems</i> , 2013, 9, 1522.	2.9	49
20	Night shift schedule causes circadian dysregulation of DNA repair genes and elevated DNA damage in humans. <i>Journal of Pineal Research</i> , 2021, 70, e12726.	7.4	46
21	Hypergraph models of biological networks to identify genes critical to pathogenic viral response. <i>BMC Bioinformatics</i> , 2021, 22, 287.	2.6	39
22	A multi-omic systems approach to elucidating <i>Yersinia</i> virulence mechanisms. <i>Molecular BioSystems</i> , 2013, 9, 44-54.	2.9	29
23	Identification and Validation of <i>Ifit1</i> as an Important Innate Immune Bottleneck. <i>PLoS ONE</i> , 2012, 7, e36465.	2.5	28
24	Time-resolved proteome profiling of normal lung development. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L11-L24.	2.9	25
25	Cells Respond to Distinct Nanoparticle Properties with Multiple Strategies As Revealed by Single-Cell RNA-Seq. <i>ACS Nano</i> , 2016, 10, 10173-10185.	14.6	21
26	Multi-time series RNA-seq analysis of <i>Enterobacter lignolyticus</i> SCF1 during growth in lignin-amended medium. <i>PLoS ONE</i> , 2017, 12, e0186440.	2.5	20
27	Transcriptomic and proteomic dynamics in the metabolism of a diazotrophic cyanobacterium, <i>Cyanothece</i> sp. PCC 7822 during a diurnal light-dark cycle. <i>BMC Genomics</i> , 2014, 15, 1185.	2.8	18
28	The Role of EGFR in Influenza Pathogenicity: Multiple Network-Based Approaches to Identify a Key Regulator of Non-lethal Infections. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 200.	3.7	18
29	Colonies of the fungus <i>Aspergillus niger</i> are highly differentiated to adapt to local carbon source variation. <i>Environmental Microbiology</i> , 2020, 22, 1154-1166.	3.8	15
30	CpG Preconditioning Regulates Mirna Expression That Modulates Genomic Reprogramming Associated with Neuroprotection against Ischemic Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 257-266.	4.3	14
31	A novel fluorescent cross-reactive formylpeptide receptor/formylpeptide receptor-like 1 hexapeptide ligand. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 264-270.	1.5	11
32	Wetland Sediments Host Diverse Microbial Taxa Capable of Cycling Alcohols. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	10
33	Reference genes for accurate normalization of gene expression in wood-decomposing fungi. <i>Fungal Genetics and Biology</i> , 2019, 123, 33-40.	2.1	7
34	leapR: An R Package for Multiomic Pathway Analysis. <i>Journal of Proteome Research</i> , 2021, 20, 2116-2121.	3.7	6
35	Distinctive carbon repression effects in the carbohydrate-selective wood decay fungus <i>Rhodonia placenta</i> . <i>Fungal Genetics and Biology</i> , 2022, 159, 103673.	2.1	6
36	Subtoxic dose of lithium cobalt oxide nanosheets impacts critical molecular pathways in trout gill epithelial cells. <i>Environmental Science: Nano</i> , 2020, 7, 3419-3430.	4.3	4

#	ARTICLE	IF	CITATIONS
37	Expression Patterns of Energy-Related Genes in Single Cells Uncover Key Isoforms and Enzymes That Gain Priority Under Nanoparticle-Induced Stress. <i>ACS Nano</i> , 2022, 16, 7197-7209.	14.6	3
38	Capturing an Early Gene Induction Event during Wood Decay by the Brown Rot Fungus <i>Rhodonia placenta</i> . <i>Applied and Environmental Microbiology</i> , 2022, , e0018822.	3.1	3
39	Rosette core fungal resistance in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2019, 250, 1941-1953.	3.2	2