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 g-index
41 all docs	41 docs citations	41 times ranked	4681 citing authors

#	Article	IF	Citations
1	Distinctive carbon repression effects in the carbohydrate-selective wood decay fungus Rhodonia placenta. Fungal Genetics and Biology, 2022, 159, 103673.	2.1	6
2	Expression Patterns of Energy-Related Genes in Single Cells Uncover Key Isoforms and Enzymes That Gain Priority Under Nanoparticle-Induced Stress. ACS Nano, 2022, 16, 7197-7209.	14.6	3
3	Capturing an Early Gene Induction Event during Wood Decay by the Brown Rot Fungus Rhodonia placenta. Applied and Environmental Microbiology, 2022, , e0018822.	3.1	3
4	Intracellular pathways for lignin catabolism in white-rot fungi. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	82
5	leapR: An R Package for Multiomic Pathway Analysis. Journal of Proteome Research, 2021, 20, 2116-2121.	3.7	6
6	Night shift schedule causes circadian dysregulation of DNA repair genes and elevated DNA damage in humans. Journal of Pineal Research, 2021, 70, e12726.	7.4	46
7	Hypergraph models of biological networks to identify genes critical to pathogenic viral response. BMC Bioinformatics, 2021, 22, 287.	2.6	39
8	Automated mass spectrometry imaging of over 2000 proteins from tissue sections at 100-Î¼m spatial resolution. Nature Communications, 2020, 11, 8.	12.8	178
9	Comprehensive Proteomics Analysis of Stressed Human Islets Identifies GDF15 as a Target for Type 1 Diabetes Intervention. Cell Metabolism, 2020, 31, 363-374.e6.	16.2	78
10	Colonies of the fungus Aspergillus niger are highly differentiated to adapt to local carbon source variation. Environmental Microbiology, 2020, 22, 1154-1166.	3.8	15
11	Subtoxic dose of lithium cobalt oxide nanosheets impacts critical molecular pathways in trout gill epithelial cells. Environmental Science: Nano, 2020, 7, 3419-3430.	4.3	4
12	Rosette core fungal resistance in Arabidopsis thaliana. Planta, 2019, 250, 1941-1953.	3.2	2
13	The Role of EGFR in Influenza Pathogenicity: Multiple Network-Based Approaches to Identify a Key Regulator of Non-lethal Infections. Frontiers in Cell and Developmental Biology, 2019, 7, 200.	3.7	18
14	Wetland Sediments Host Diverse Microbial Taxa Capable of Cycling Alcohols. Applied and Environmental Microbiology, 2019, 85, .	3.1	10
15	Reference genes for accurate normalization of gene expression in wood-decomposing fungi. Fungal Genetics and Biology, 2019, 123, 33-40.	2.1	7
16	MERS-CoV and H5N1 influenza virus antagonize antigen presentation by altering the epigenetic landscape. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1012-E1021.	7.1	142
17	Combination Attenuation Offers Strategy for Live Attenuated Coronavirus Vaccines. Journal of Virology, 2018, 92, .	3.4	58
18	Time-resolved proteome profiling of normal lung development. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L11-L24.	2.9	25

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19	MERS-CoV Accessory ORFs Play Key Role for Infection and Pathogenesis. MBio, 2017, 8, .	4.1	126
20	Middle East Respiratory Syndrome Coronavirus Nonstructural Protein 16 Is Necessary for Interferon Resistance and Viral Pathogenesis. MSphere, 2017, 2, .	2.9	92
21	Multi-time series RNA-seq analysis of Enterobacter lignolyticus SCF1 during growth in lignin-amended medium. PLoS ONE, 2017, 12, e0186440.	2.5	20
22	Cells Respond to Distinct Nanoparticle Properties with Multiple Strategies As Revealed by Single-Cell RNA-Seq. ACS Nano, 2016, 10, 10173-10185.	14.6	21
23	The effect of inhibition of PP1 and TNFÎ± signaling on pathogenesis of SARS coronavirus. BMC Systems Biology, 2016, 10, 93.	3.0	58
24	CpG Preconditioning Regulates Mirna Expression That Modulates Genomic Reprogramming Associated with Neuroprotection against Ischemic Injury. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 257-266.	4.3	14
25	A comprehensive collection of systems biology data characterizing the host response to viral infection. Scientific Data, 2014, 1, 140033.	5.3	62
26	Transcriptomic and proteomic dynamics in the metabolism of a diazotrophic cyanobacterium, Cyanothece sp. PCC 7822 during a diurnal lightâ€“dark cycle. BMC Genomics, 2014, 15, 1185.	2.8	18
27	The Highly Conserved MraZ Protein Is a Transcriptional Regulator in Escherichia coli. Journal of Bacteriology, 2014, 196, 2053-2066.	2.2	69
28	Challenges in biomarker discovery: combining expert insights with statistical analysis of complex omics data. Expert Opinion on Medical Diagnostics, 2013, 7, 37-51.	1.6	154
29	A multi-omic systems approach to elucidating Yersinia virulence mechanisms. Molecular BioSystems, 2013, 9, 44-54.	2.9	29
30	Salmonella modulates metabolism during growth under conditions that induce expression of virulence genes. Molecular BioSystems, 2013, 9, 1522.	2.9	49
31	A Network Integration Approach to Predict Conserved Regulators Related to Pathogenicity of Influenza and SARS-CoV Respiratory Viruses. PLoS ONE, 2013, 8, e69374.	2.5	68
32	Identification and Validation of Ifit1 as an Important Innate Immune Bottleneck. PLoS ONE, 2012, 7, e36465.	2.5	28
33	Combination Therapy with Vidaza and Entinostat Suppresses Tumor Growth and Reprograms the Epigenome in an Orthotopic Lung Cancer Model. Cancer Research, 2011, 71, 454-462.	0.9	70
34	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. Journal of Virology, 2011, 85, 1125-1135.	3.4	64
35	A novel fluorescent crossâ€reactive formylpeptide receptor/formylpeptide receptorâ€like 1 hexapeptide ligand. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 264-270.	1.5	11
36	Synthetic Estrogen Derivatives Demonstrate the Functionality of Intracellular GPR30. ACS Chemical Biology, 2007, 2, 536-544.	3.4	141

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37	Transforming Growth Factor-Î² Activation of Phosphatidylinositol 3-Kinase Is Independent of Smad2 and Smad3 and Regulates Fibroblast Responses via p21-Activated Kinase-2. Cancer Research, 2005, 65, 10431-10440.	0.9	183
38	Ligand-dependent and -independent Transforming Growth Factor-Î² Receptor Recycling Regulated by Clathrin-mediated Endocytosis and Rab11. Molecular Biology of the Cell, 2004, 15, 4166-4178.	2.1	193
39	Internalization-Dependent and -Independent Requirements for Transforming Growth Factor Î² Receptor Signaling via the Smad Pathway. Molecular and Cellular Biology, 2002, 22, 4750-4759.	2.3	177