Zachary A Lewis

List of Publications by Year
in descending order

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42	5,204	304743	289244
papers	citations	22 h-index	40 g-index

47	47	47	7840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DectiSomes: Glycan Targeting of Liposomal Drugs Improves the Treatment of Disseminated Candidiasis. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0146721.	3.2	9
2	Targeted Delivery of Antifungal Liposomes to Rhizopus delemar. Journal of Fungi (Basel, Switzerland), 2022, 8, 352.	3.5	5
3	IMITATION SWITCH is required for normal chromatin structure and gene repression in PRC2 target domains. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
4	Antifungal Liposomes Directed by Dectin-2 Offer a Promising Therapeutic Option for Pulmonary Aspergillosis. MBio, 2021, 12, .	4.1	11
5	Shannon entropy as a metric for conditional gene expression inNeurospora crassa. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	1
6	Chromatin accessibility profiling in Neurospora crassa reveals molecular features associated with accessible and inaccessible chromatin. BMC Genomics, 2021, 22, 459.	2.8	13
7	Aiming for a bullâ€™s-eye: Targeting antifungals to fungi with dectin-decorated liposomes. PLoS Pathogens, 2021, 17, e1009699.	4.7	11
8	DC-SIGN targets amphotericin B-loaded liposomes to diverse pathogenic fungi. Fungal Biology and Biotechnology, 2021, 8, 22.	5.1	7
9	Normal Patterns of Histone H3K27 Methylation Require the Histone Variant H2A.Z in Neurospora crassa. Genetics, 2020, 216, 51-66.	2.9	14
10	1 Chromatin Structure and Function in Neurospora crassa. , 2020, , 3-24.		1
11	DNA Methylation: Shared and Divergent Features across Eukaryotes. Trends in Genetics, 2019, 35, 818-827.	6.7	157
12	Dectin-1-Targeted Antifungal Liposomes Exhibit Enhanced Efficacy. MSphere, 2019, 4, .	2.9	27
13	The maternal to zygotic transition regulates genome-wide heterochromatin establishment in the zebrafish embryo. Nature Communications, 2019, 10, 1551.	12.8	63
14	Dectin-2-Targeted Antifungal Liposomes Exhibit Enhanced Efficacy. MSphere, 2019, 4, .	2.9	23
15	Transcription factor Znf2 coordinates with the chromatin remodeling SWI/SNF complex to regulate cryptococcal cellular differentiation. Communications Biology, 2019, 2, 412.	4.4	19
16	ChIP-Seq Analysis in Neurospora crassa. Methods in Molecular Biology, 2018, 1775, 241-250.	0.9	7
17	Polycomb Group Systems in Fungi: New Models for Understanding Polycomb Repressive Complex 2. Trends in Genetics, 2017, 33, 220-231.	6.7	32
18	KdmB, a Jumonji Histone H3 Demethylase, Regulates Genome-Wide H3K4 Trimethylation and Is Required for Normal Induction of Secondary Metabolism in Aspergillus nidulans. PLoS Genetics, 2016, 12, e1006222.	3.5	68

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19	The LSH/DDM1 Homolog MUS-30 Is Required for Genome Stability, but Not for DNA Methylation in Neurospora crassa. PLoS Genetics, 2016, 12, e1005790.	3.5	23
20	Histone H1 Limits DNA Methylation in Neurospora crassa. G3: Genes, Genomes, Genetics, 2016, 6, 1879-1889.	1.8	19
21	Genome-wide redistribution of H3K27me3 is linked to genotoxic stress and defective growth. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6339-48.	7.1	84
22	The Cullin-4 Complex DCDC Does Not Require E3 Ubiquitin Ligase Elements To Control Heterochromatin in Neurospora crassa. Eukaryotic Cell, 2015, 14, 25-28.	3.4	11
23	Chromatin Structure and Modification. , 2014, , 113-123.		0
24	Methylated DNA is over-represented in whole-genome bisulfite sequencing data. Frontiers in Genetics, 2014, 5, 341.	2.3	64
25	Heterochromatin Controls Î³H2A Localization in Neurospora crassa. Eukaryotic Cell, 2014, 13, 990-1000.	3.4	26
26	Regional control of histone H3 lysine 27 methylation in Neurospora. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6027-6032.	7.1	147
27	Heterochromatin protein 1 forms distinct complexes to direct histone deacetylation and DNA methylation. Nature Structural and Molecular Biology, 2012, 19, 471-477.	8.2	63
28	CHD1 Remodels Chromatin and Influences Transient DNA Methylation at the Clock Gene frequency. PLoS Genetics, 2011, 7, e1002166.	3.5	84
29	Identification of DIM-7, a protein required to target the DIM-5 H3 methyltransferase to chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8310-8315.	7.1	41
30	DNA Methylation and Normal Chromosome Behavior in Neurospora Depend on Five Components of a Histone Methyltransferase Complex, DCDC. PLoS Genetics, 2010, 6, e1001196.	3.5	93
31	The DMM complex prevents spreading of DNA methylation from transposons to nearby genes in Neurospora crassa. Genes and Development, 2010, 24, 443-454.	5.9	49
32	Diverse Pathways Generate MicroRNA-like RNAs and Dicer-Independent Small Interfering RNAs in Fungi. Molecular Cell, 2010, 38, 803-814.	9.7	361
33	Relics of repeat-induced point mutation direct heterochromatin formation in Neurospora crassa. Genome Research, 2009, 19, 427-437.	5.5	137
34	Rapid SNP Discovery and Genetic Mapping Using Sequenced RAD Markers. PLoS ONE, 2008, 3, e3376.	2.5	2,972
35	High-Density Detection of Restriction-Site-Associated DNA Markers for Rapid Mapping of Mutated Loci in Neurospora. Genetics, 2007, 177, 1163-1171.	2.9	42
36	Two Circadian Timing Circuits in Neurospora crassa Cells Share Components and Regulate Distinct Rhythmic Processes. Journal of Biological Rhythms, 2006, 21, 159-168.	2.6	53

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37	Transcriptional response to glucose starvation and functional analysis of a glucose transporter of Neurospora crassa. Fungal Genetics and Biology, 2004, 41, 1104-1119.	2.1	66
38	Multiple oscillators regulate circadian gene expression in Neurospora. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13597-13602.	7.1	132
39	Molecular Genetics of Circadian Rhythms in Neurospora Crassa. Applied Mycology and Biotechnology, 2003, 3, 43-63.	0.3	1
40	The Neurospora circadian clock regulates a transcription factor that controls rhythmic expression of the output eas(ccg-2) gene. Molecular Microbiology, 2002, 41, 897-909.	2.5	16
41	Overexpression of White Collar-1 (WC-1) activates circadian clock-associated genes, but is not sufficient to induce most light-regulated gene expression in Neurospora crassa. Molecular Microbiology, 2002, 45, 917-931.	2.5	93
42	vvd Is Required for Light Adaptation of Conidiation-Specific Genes of Neurospora crassa, but Not Circadian Conidiation. Fungal Genetics and Biology, 2001, 32, 169-181.	2.1	134