

Deborah Bell-Pedersen

List of Publications by Year in descending order

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71
papers

8,475
citations

76326

40
h-index

98798

67
g-index

74
all docs

74
docs citations

74
times ranked

6678
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome sequence of the filamentous fungus <i>Neurospora crassa</i> . <i>Nature</i> , 2003, 422, 859-868.	27.8	1,528
2	Sequencing of <i>Aspergillus nidulans</i> and comparative analysis with <i>A. fumigatus</i> and <i>A. oryzae</i> . <i>Nature</i> , 2005, 438, 1105-1115.	27.8	1,250
3	Circadian rhythms from multiple oscillators: lessons from diverse organisms. <i>Nature Reviews Genetics</i> , 2005, 6, 544-556.	16.3	1,205
4	Lessons from the Genome Sequence of <i>Neurospora crassa</i> : Tracing the Path from Genomic Blueprint to Multicellular Organism. <i>Microbiology and Molecular Biology Reviews</i> , 2004, 68, 1-108.	6.6	572
5	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , 2017, 32, 380-393.	2.6	237
6	The <i>Neurospora</i> circadian clock-controlled gene, <i>ccg-2</i> , is allelic to <i>eas</i> and encodes a fungal hydrophobin required for formation of the conidial rodlet layer.. <i>Genes and Development</i> , 1992, 6, 2382-2394.	5.9	213
7	Transcription Factors in Light and Circadian Clock Signaling Networks Revealed by Genomewide Mapping of Direct Targets for <i>Neurospora</i> White Collar Complex. <i>Eukaryotic Cell</i> , 2010, 9, 1549-1556.	3.4	187
8	Distinct <i>cis</i> -Acting Elements Mediate Clock, Light, and Developmental Regulation of the <i>Neurospora crassa eas</i> (<i>ccg-2</i>) Gene. <i>Molecular and Cellular Biology</i> , 1996, 16, 513-521.	2.3	163
9	Intron mobility in the T-even phages: High frequency inheritance of group I introns promoted by intron open reading frames. <i>Cell</i> , 1989, 56, 455-465.	28.9	142
10	Circadian clock-controlled genes isolated from <i>Neurospora crassa</i> are late night- to early morning-specific. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 13096-13101.	7.1	142
11	<i>vvd</i> Is Required for Light Adaptation of Conidiation-Specific Genes of <i>Neurospora crassa</i> , but Not Circadian Conidiation. <i>Fungal Genetics and Biology</i> , 2001, 32, 169-181.	2.1	134
12	The <i>Neurospora crassa</i> pheromone precursor genes are regulated by the mating type locus and the circadian clock. <i>Molecular Microbiology</i> , 2002, 45, 795-804.	2.5	133
13	Multiple oscillators regulate circadian gene expression in <i>Neurospora</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13597-13602.	7.1	132
14	Analysis of clock-regulated genes in <i>Neurospora</i> reveals widespread posttranscriptional control of metabolic potential. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16995-17002.	7.1	131
15	Circadian Rhythms in <i>Neurospora crassa</i> and Other Filamentous Fungi. <i>Eukaryotic Cell</i> , 2006, 5, 1184-1193.	3.4	124
16	Intron mobility in phage T4 is dependent upon a distinctive class of endonucleases and independent of DNA sequences encoding the intron core: mechanistic and evolutionary implications. <i>Nucleic Acids Research</i> , 1990, 18, 3763-3770.	14.5	118
17	Overexpression of White Collar-1 (WC-1) activates circadian clock-associated genes, but is not sufficient to induce most light-regulated gene expression in <i>Neurospora crassa</i> . <i>Molecular Microbiology</i> , 2002, 45, 917-931.	2.5	93
18	Transcriptional Profiling of the Chick Pineal Gland, a Photoreceptive Circadian Oscillator and Pacemaker. <i>Molecular Endocrinology</i> , 2003, 17, 2084-2095.	3.7	88

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19	Genome-Wide Characterization of Light-Regulated Genes in <i>Neurospora crassa</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1731-1745.	1.8	82
20	Analysis of Expressed Sequence Tags From Two Starvation, Time-of-Day-Specific Libraries of <i>Neurospora crassa</i> Reveals Novel Clock-Controlled Genes. <i>Genetics</i> , 2001, 157, 1057-1065.	2.9	82
21	Circadian rhythmicity mediated by temporal regulation of the activity of p38 MAPK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18223-18228.	7.1	80
22	Diverse Roles for MAPK Signaling in Circadian Clocks. <i>Advances in Genetics</i> , 2013, 84, 1-39.	1.8	76
23	A Circadian Oscillator in <i>Aspergillus</i> spp . Regulates Daily Development and Gene Expression. <i>Eukaryotic Cell</i> , 2003, 2, 231-237.	3.4	74
24	A site-specific endonuclease and co-conversion of flanking exons associated with the mobile td intron of phage T4. <i>Gene</i> , 1989, 82, 119-126.	2.2	71
25	Genes within genes: independent expression of phage T4 intron open reading frames and the genes in which they reside.. <i>Genes and Development</i> , 1988, 2, 1791-1799.	5.9	69
26	Transcriptional response to glucose starvation and functional analysis of a glucose transporter of <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2004, 41, 1104-1119.	2.1	66
27	The Rhythms of Life: Circadian Output Pathways in <i>Neurospora</i> . <i>Journal of Biological Rhythms</i> , 2006, 21, 432-444.	2.6	63
28	I-TevI, the endonuclease encoded by the mobile td intron, recognizes binding and cleavage domains on its DNA target.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 7719-7723.	7.1	62
29	The <i>Neurospora crassa</i> OS MAPK pathway-activated transcription factor ASL-1 contributes to circadian rhythms in pathway responsive clock-controlled genes. <i>Fungal Genetics and Biology</i> , 2012, 49, 180-188.	2.1	60
30	Circadian rhythms. <i>Brain Research Reviews</i> , 1993, 18, 315-333.	9.0	59
31	Circadian and light-induced expression of luciferase in <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2003, 38, 327-332.	2.1	57
32	A connection between MAPK pathways and circadian clocks. <i>Cell Cycle</i> , 2008, 7, 2630-2634.	2.6	56
33	<i>Neurospora</i> Clock-Controlled Gene 9 (<i>ccg-9</i>) Encodes Trehalose Synthase: Circadian Regulation of Stress Responses and Development. <i>Eukaryotic Cell</i> , 2002, 1, 33-43.	3.4	54
34	From The Cover: Assignment of an essential role for the <i>Neurospora</i> frequency gene in circadian entrainment to temperature cycles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2210-2215.	7.1	53
35	Two Circadian Timing Circuits in <i>Neurospora crassa</i> Cells Share Components and Regulate Distinct Rhythmic Processes. <i>Journal of Biological Rhythms</i> , 2006, 21, 159-168.	2.6	53
36	Circadian Activation of the Mitogen-Activated Protein Kinase MAK-1 Facilitates Rhythms in Clock-Controlled Genes in <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2013, 12, 59-69.	3.4	53

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37	Circadian rhythms in fungi. <i>Journal of Genetics</i> , 1996, 75, 387-401.	0.7	51
38	The Neurospora Transcription Factor ADV-1 Transduces Light Signals and Temporal Information to Control Rhythmic Expression of Genes Involved in Cell Fusion. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 129-142.	1.8	47
39	Circadian clock regulation of mRNA translation through eukaryotic elongation factor eEF-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9605-9610.	7.1	46
40	Understanding Circadian Rhythmicity in <i>Neurospora crassa</i> : From Behavior to Genes and Back Again. <i>Fungal Genetics and Biology</i> , 2000, 29, 1-18.	2.1	45
41	The inconsistent distribution of introns in the T-even phages indicates recent genetic exchanges. <i>Nucleic Acids Research</i> , 1989, 17, 301-315.	14.5	42
42	A Novel Cryptochrome-Dependent Oscillator in <i>Neurospora crassa</i> . <i>Genetics</i> , 2015, 199, 233-245.	2.9	40
43	The <i>Neurospora</i> circadian clock: simple or complex?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 1697-1709.	4.0	36
44	Direct Transcriptional Control of a p38 MAPK Pathway by the Circadian Clock in <i>Neurospora crassa</i> . <i>PLoS ONE</i> , 2011, 6, e27149.	2.5	36
45	Regulation of Gene Expression in <i>Neurospora crassa</i> with a Copper Responsive Promoter. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 2273-2280.	1.8	34
46	Inhibition of p38 MAPK activity leads to cell type-specific effects on the molecular circadian clock and time-dependent reduction of glioma cell invasiveness. <i>BMC Cancer</i> , 2018, 18, 43.	2.6	32
47	Circadian clock control of eIF2 γ phosphorylation is necessary for rhythmic translation initiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10935-10945.	7.1	32
48	The Genetics of Circadian Rhythms in <i>Neurospora</i> . <i>Advances in Genetics</i> , 2011, 74, 55-103.	1.8	30
49	Translation Initiation from Conserved Non-AUG Codons Provides Additional Layers of Regulation and Coding Capacity. <i>MBio</i> , 2017, 8, .	4.1	25
50	Distinct Signaling Pathways from the Circadian Clock Participate in Regulation of Rhythmic Conidiospore Development in <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2002, 1, 273-280.	3.4	23
51	A transcription terminator in the thymidylate synthase (<i>thyA</i>) structural gene of <i>Escherichia coli</i> and construction of a viable <i>thyA::Kmr</i> deletion. <i>Journal of Bacteriology</i> , 1991, 173, 1193-1200.	2.2	20
52	Effects of altered Clock gene expression on the pacemaker properties of SCN2.2 cells and oscillatory properties of NIH/3T3 cells. <i>Neuroscience</i> , 2004, 127, 989-999.	2.3	19
53	Complexity of the <i>Neurospora crassa</i> Circadian Clock System: Multiple Loops and Oscillators. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2007, 72, 345-351.	1.1	19
54	Genetic interactions between clock mutations in <i>Neurospora crassa</i> : can they help us to understand complexity?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 1717-1724.	4.0	18

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55	Structure of the translating <i>Neurospora</i> ribosome arrested by cycloheximide. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
56	The <i>Neurospora</i> circadian clock regulates a transcription factor that controls rhythmic expression of the output <i>eas(ccg-2)</i> gene. Molecular Microbiology, 2002, 41, 897-909.	2.5	16
57	A Genetic Selection for Circadian Output Pathway Mutations in <i>Neurospora crassa</i> . Genetics, 2004, 167, 119-129.	2.9	16
58	The cell free protein synthesis system from the model filamentous fungus <i>Neurospora crassa</i> . Methods, 2018, 137, 11-19.	3.8	12
59	Circadian clock regulation of the glycogen synthase (<i>gsn</i>) gene by WCC is critical for rhythmic glycogen metabolism in <i>Neurospora crassa</i> . Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10435-10440.	7.1	12
60	Keeping pace with <i>Neurospora</i> circadian rhythms. Microbiology (United Kingdom), 1998, 144, 1699-1711.	1.8	8
61	Circadian Clock Control of Translation Initiation Factor eIF2 β Activity Requires eIF2 β -Dependent Recruitment of Rhythmic PPP-1 Phosphatase in <i>Neurospora crassa</i> . MBio, 2021, 12, .	4.1	7
62	Chapter 2 The genetic and molecular dissection of a prototypic circadian system. Progress in Brain Research, 1996, 111, 11-27.	1.4	5
63	The Genetic Basis of the Circadian Clock: Identification of <i>frq</i> and FRQ as Clock Components in <i>Neurospora</i> . Novartis Foundation Symposium, 1995, 183, 3-25.	1.1	4
64	A <i>ras-1</i> Mauriceville strain for mapping mutations in Oak Ridge <i>ras-1</i> strains. Fungal Genetics Reports, 2006, 53, 30-33.	0.6	2
65	Molecular Genetics of Circadian Rhythms in <i>Neurospora Crassa</i> . Applied Mycology and Biotechnology, 2003, 3, 43-63.	0.3	1
66	Circadian Rhythms. , 2014, , 442-466.		1
67	The 2009 George W. Beadle Award. Genetics, 2009, 181, 831-833.	2.9	1
68	Introduction to special edition on fungal photobiology. Fungal Genetics and Biology, 2010, 47, 879-880.	2.1	0
69	Circadian gene selection for time-to-event phenotype by integrating CNV and RNAseq data. Chemometrics and Intelligent Laboratory Systems, 2021, 212, 104276.	3.5	0
70	Circadian Rhythms in <i>Neurospora crassa</i> . , 2002, , .		0
71	A site-specific endonuclease and co-conversion of flanking exons associated with the mobile td intron of phage T4**Presented at the Albany Conference on ϵ -RNA: Catalysis, Splicing, Evolution ϵ TM . Rensselaerville, N.Y. (U.S.A.), 22-25 September, 1988.. , 1989, , 119-126.		0