Deborah Bell-Pedersen

List of Publications by Year
in descending order

71	8,475	76326 40	98798 67
papers	citations	h-index	g-index

74	74	74	6678
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Circadian Clock Control of Translation Initiation Factor eIF2Î± Activity Requires eIF2Î³-Dependent Recruitment of Rhythmic PPP-1 Phosphatase in Neurospora crassa. MBio, 2021, 12, .	4.1	7
2	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
3	Structure of the translating Neurospora ribosome arrested by cycloheximide. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
4	Circadian clock control of eIF2Î± phosphorylation is necessary for rhythmic translation initiation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10935-10945.	7.1	32
5	Circadian clock regulation of the glycogen synthase (gsn) gene by WCC is critical for rhythmic glycogen metabolism inNeurospora crassa. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10435-10440.	7.1	12
6	The cell free protein synthesis system from the model filamentous fungus Neurospora crassa. Methods, 2018, 137, 11-19.	3.8	12
7	Inhibition of p38 MAPK activity leads to cell type-specific effects on the molecular circadian clock and time-dependent reduction of glioma cell invasiveness. BMC Cancer, 2018, 18, 43.	2.6	32
8	The Neurospora Transcription Factor ADV-1 Transduces Light Signals and Temporal Information to Control Rhythmic Expression of Genes Involved in Cell Fusion. G3: Genes, Genomes, Genetics, 2017, 7, 129-142.	1.8	47
9	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
10	Translation Initiation from Conserved Non-AUG Codons Provides Additional Layers of Regulation and Coding Capacity. MBio, 2017, 8, .	4.1	25
11	Circadian clock regulation of mRNA translation through eukaryotic elongation factor eEF-2. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9605-9610.	7.1	46
12	A Novel Cryptochrome-Dependent Oscillator inNeurospora crassa. Genetics, 2015, 199, 233-245.	2.9	40
13	Genome-Wide Characterization of Light-Regulated Genes inNeurospora crassa. G3: Genes, Genomes, Genetics, 2014, 4, 1731-1745.	1.8	82
14	Analysis of clock-regulated genes in Neurospora reveals widespread posttranscriptional control of metabolic potential. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16995-17002.	7.1	131
15	Circadian Rhythms. , 2014, , 442-466.		1
16	Regulation of Gene Expression inNeurospora crassawith a Copper Responsive Promoter. G3: Genes, Genomes, Genetics, 2013, 3, 2273-2280.	1.8	34
17	Circadian Activation of the Mitogen-Activated Protein Kinase MAK-1 Facilitates Rhythms in Clock-Controlled Genes in Neurospora crassa. Eukaryotic Cell, 2013, 12, 59-69.	3.4	53
18	Diverse Roles for MAPK Signaling in Circadian Clocks. Advances in Genetics, 2013, 84, 1-39.	1.8	76

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19	The Neurospora crassa OS MAPK pathway-activated transcription factor ASL-1 contributes to circadian rhythms in pathway responsive clock-controlled genes. Fungal Genetics and Biology, 2012, 49, 180-188.	2.1	60
20	The Genetics of Circadian Rhythms in Neurospora. Advances in Genetics, 2011, 74, 55-103.	1.8	30
21	Direct Transcriptional Control of a p38 MAPK Pathway by the Circadian Clock in Neurospora crassa. PLoS ONE, 2011, 6, e27149.	2.5	36
22	Transcription Factors in Light and Circadian Clock Signaling Networks Revealed by Genomewide Mapping of Direct Targets for Neurospora White Collar Complex. Eukaryotic Cell, 2010, 9, 1549-1556.	3.4	187
23	Introduction to special edition on fungal photobiology. Fungal Genetics and Biology, 2010, 47, 879-880.	2.1	0
24	The 2009 George W. Beadle Award. Genetics, 2009, 181, 831-833.	2.9	1
25	A connection between MAPK pathways and circadian clocks. Cell Cycle, 2008, 7, 2630-2634.	2.6	56
26	Complexity of theNeurospora crassaCircadian Clock System: Multiple Loops and Oscillators. Cold Spring Harbor Symposia on Quantitative Biology, 2007, 72, 345-351.	1.1	19
27	Circadian rhythmicity mediated by temporal regulation of the activity of p38 MAPK. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18223-18228.	7.1	80
28	The Rhythms of Life: Circadian Output Pathways in Neurospora. Journal of Biological Rhythms, 2006, 21, 432-444.	2.6	63
29	Circadian Rhythms in Neurospora crassa and Other Filamentous Fungi. Eukaryotic Cell, 2006, 5, 1184-1193.	3.4	124
30	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
31	A ras-1^{bd} Mauriceville strain for mapping mutations in Oak Ridge ras-1^{bd}strains. Fungal Genetics Reports, 2006, 53, 30-33.	0.6	2
32	Sequencing of Aspergillus nidulans and comparative analysis with A. fumigatus and A. oryzae. Nature, 2005, 438, 1105-1115.	27.8	1,250
33	From The Cover: Assignment of an essential role for the Neurospora frequency gene in circadian entrainment to temperature cycles. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2210-2215.	7.1	53
34	Circadian rhythms from multiple oscillators: lessons from diverse organisms. Nature Reviews Genetics, 2005, 6, 544-556.	16.3	1,205
35	A Genetic Selection for Circadian Output Pathway Mutations in Neurospora crassa. Genetics, 2004, 167, 119-129.	2.9	16
36	Lessons from the Genome Sequence ofNeurospora crassa: Tracing the Path from Genomic Blueprint to Multicellular Organism. Microbiology and Molecular Biology Reviews, 2004, 68, 1-108.	6.6	572

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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	Effects of altered Clock gene expression on the pacemaker properties of SCN2.2 cells and oscillatory properties of NIH/3T3 cells. Neuroscience, 2004, 127, 989-999.	2.3	19
39	The genome sequence of the filamentous fungus Neurospora crassa. Nature, 2003, 422, 859-868.	27.8	1,528
40	Circadian and light-induced expression of luciferase in Neurospora crassa. Fungal Genetics and Biology, 2003, 38, 327-332.	2.1	57
41	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
42	A Circadian Oscillator in Aspergillus spp . Regulates Daily Development and Gene Expression. Eukaryotic Cell, 2003, 2, 231-237.	3.4	74
43	Molecular Genetics of Circadian Rhythms in Neurospora Crassa. Applied Mycology and Biotechnology, 2003, 3, 43-63.	0.3	1
44	Transcriptional Profiling of the Chick Pineal Gland, a Photoreceptive Circadian Oscillator and Pacemaker. Molecular Endocrinology, 2003, 17, 2084-2095.	3.7	88
45	Neurospora Clock-Controlled Gene 9 (ccg-9) Encodes Trehalose Synthase: Circadian Regulation of Stress Responses and Development. Eukaryotic Cell, 2002, 1, 33-43.	3.4	54
46	Distinct Signaling Pathways from the Circadian Clock Participate in Regulation of Rhythmic Conidiospore Development in Neurospora crassa. Eukaryotic Cell, 2002, 1, 273-280.	3.4	23
47	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
48	The Neurospora crassa pheromone precursor genes are regulated by the mating type locus and the circadian clock. Molecular Microbiology, 2002, 45, 795-804.	2.5	133
49	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
50	Circadian Rhythms in Neurospora crassa. , 2002, , .		0
51	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
52	Genetic interactions between clock mutations inNeurospora crassa: can they help us to understand complexity?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2001, 356, 1717-1724.	4.0	18
53	The Neurospora circadian clock: simple or complex?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2001, 356, 1697-1709.	4.0	36
54	Analysis of Expressed Sequence Tags From Two Starvation, Time-of-Day-Specific Libraries of Neurospora crassa Reveals Novel Clock-Controlled Genes. Genetics, 2001, 157, 1057-1065.	2.9	82

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55	Understanding Circadian Rhythmicity in Neurospora crassa: From Behavior to Genes and Back Again. Fungal Genetics and Biology, 2000, 29, 1-18.	2.1	45
56	Keeping pace with Neurospora circadian rhythms. Microbiology (United Kingdom), 1998, 144, 1699-1711.	1.8	8
57	Distinct cis-Acting Elements Mediate Clock, Light, and Developmental Regulation of the Neurospora crassa eas (ccg-2) Gene. Molecular and Cellular Biology, 1996, 16, 513-521.	2.3	163
58	Circadian clock-controlled genes isolated from Neurospora crassa are late night- to early morning-specific. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 13096-13101.	7.1	142
59	Chapter 2 The genetic and molecular dissection of a prototypic circadian system. Progress in Brain Research, 1996, 111, 11-27.	1.4	5
60	Circadian rhythms in fungi. Journal of Genetics, 1996, 75, 387-401.	0.7	51
61	The Genetic Basis of the Circadian Clock: Identification of frq and FRQ as Clock Components in Neurospora. Novartis Foundation Symposium, 1995, 183, 3-25.	1.1	4
62	Circadian rhythms. Brain Research Reviews, 1993, 18, 315-333.	9.0	59
63	The Neurospora circadian clock-controlled gene, ccg-2, is allelic to eas and encodes a fungal hydrophobin required for formation of the conidial rodlet layer.. Genes and Development, 1992, 6, 2382-2394.	5.9	213
64	A transcription terminator in the thymidylate synthase (thyA) structural gene of Escherichia coli and construction of a viable thyA::Kmr deletion. Journal of Bacteriology, 1991, 173, 1193-1200.	2.2	20
65	I-TevI, the endonuclease encoded by the mobile td intron, recognizes binding and cleavage domains on its DNA target.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7719-7723.	7.1	62
66	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. Nucleic Acids Research, 1990, 18, 3763-3770.	14.5	118
67	The inconsistent distribution of introns in the T-even phages indicates recent genetic exchanges. Nucleic Acids Research, 1989, 17, 301-315.	14.5	42
68	A site-specific endonuclease and co-conversion of flanking exons associated with the mobile td intron of phage T4. Gene, 1989, 82, 119-126.	2.2	71
69	Intron mobility in the T-even phages: High frequency inheritance of group I introns promoted by intron open reading frames. Cell, 1989, 56, 455-465.	28.9	142
70	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 â€˜RNA: Catalysis, Splicing, Evolutionâ€™. Rensselaerville, N.Y. (U.S.A.), 22-25 September, 1988.. , 1989, , 119-126.		0
71	Genes within genes: independent expression of phage T4 intron open reading frames and the genes in which they reside.. Genes and Development, 1988, 2, 1791-1799.	5.9	69