

Luis MarÃ-a Corrochano PelÃ;ez

List of Publications by Year in descending order

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63
papers

2,974
citations

201674

27
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168389

53
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66
all docs

66
docs citations

66
times ranked

2483
citing authors

#	ARTICLE	IF	CITATIONS
1	Photobiology of the keystone genus <i>Metarhizium</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 226, 112374.	3.8	13
2	Light regulates the degradation of the regulatory protein VE-1 in the fungus <i>Neurospora crassa</i> . <i>BMC Biology</i> , 2022, 20, .	3.8	5
3	Outcome of blue, green, red, and white light on <i>Metarhizium robertsii</i> during mycelial growth on conidial stress tolerance and gene expression. <i>Fungal Biology</i> , 2020, 124, 263-272.	2.5	27
4	Conidiation in <i>Neurospora crassa</i> : vegetative reproduction by a model fungus. <i>International Microbiology</i> , 2020, 23, 97-105.	2.4	31
5	Light regulates a <i>Phycomyces blakesleeenanus</i> gene family similar to the carotenogenic repressor gene of <i>Mucor circinelloides</i> . <i>Fungal Biology</i> , 2020, 124, 338-351.	2.5	10
6	The DASH-type Cryptochrome from the Fungus <i>Mucor circinelloides</i> Is a Canonical CPD-Photolyase. <i>Current Biology</i> , 2020, 30, 4483-4490.e4.	3.9	19
7	Light in the Fungal World: From Photoreception to Gene Transcription and Beyond. <i>Annual Review of Genetics</i> , 2019, 53, 149-170.	7.6	83
8	Measurement of Phototropism of the Sporangiphore of <i>Phycomyces blakesleeenanus</i> . <i>Methods in Molecular Biology</i> , 2019, 1924, 63-81.	0.9	2
9	Control of Development, Secondary Metabolism and Light-Dependent Carotenoid Biosynthesis by the Velvet Complex of <i>Neurospora crassa</i> . <i>Genetics</i> , 2019, 212, 691-710.	2.9	28
10	Glucose sensing and light regulation: A mutation in the glucose sensor RCO-3 modifies photoadaptation in <i>Neurospora crassa</i> . <i>Fungal Biology</i> , 2018, 122, 497-504.	2.5	5
11	Transcriptional basis of enhanced photoinduction of carotenoid biosynthesis at low temperature in the fungus <i>Neurospora crassa</i> . <i>Research in Microbiology</i> , 2018, 169, 78-89.	2.1	23
12	A Ras GTPase associated protein is involved in the phototropic and circadian photobiology responses in fungi. <i>Scientific Reports</i> , 2017, 7, 44790.	3.3	22
13	The Complexity of Fungal Vision. , 2017, , 441-461.		0
14	The Complexity of Fungal Vision. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	46
15	Expansion of Signal Transduction Pathways in Fungi by Extensive Genome Duplication. <i>Current Biology</i> , 2016, 26, 1577-1584.	3.9	175
16	11 Photomorphogenesis and Gravitropism in Fungi. , 2016, , 235-266.		7
17	Fungal stress biology: a preface to the Fungal Stress Responses special edition. <i>Current Genetics</i> , 2015, 61, 231-238.	1.7	46
18	Fungal cryptochrome with DNA repair activity reveals an early stage in cryptochrome evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15130-15135.	7.1	72

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19	Alteration of Light-Dependent Gene Regulation by the Absence of the RCO-1/RCM-1 Repressor Complex in the Fungus <i>Neurospora crassa</i> . PLoS ONE, 2014, 9, e95069.	2.5	13
20	A global multilocus analysis of the model fungus <i>Neurospora</i> reveals a single recent origin of a novel genetic system. Molecular Phylogenetics and Evolution, 2014, 78, 136-147.	2.7	20
21	Regulation of transcription by light in <i>Neurospora crassa</i> : A model for fungal photobiology?. Fungal Biology Reviews, 2013, 27, 10-18.	4.7	25
22	A gene for carotene cleavage required for pheromone biosynthesis and carotene regulation in the fungus <i>Phycomyces blakesleeanus</i> . Fungal Genetics and Biology, 2012, 49, 398-404.	2.1	37
23	A Relationship between Carotenoid Accumulation and the Distribution of Species of the Fungus <i>Neurospora</i> in Spain. PLoS ONE, 2012, 7, e33658.	2.5	43
24	Comparative genomics of citric-acid-producing <i>Aspergillus niger</i> ATCC 1015 versus enzyme-producing CBS 513.88. Genome Research, 2011, 21, 885-897.	5.5	329
25	Regulation of Conidiation by Light in <i>Aspergillus nidulans</i> . Genetics, 2011, 188, 809-822.	2.9	127
26	Fungal photobiology: a synopsis. IMA Fungus, 2011, 2, 25-28.	3.8	26
27	Regulation by Blue Light of the <i>fluffy</i> Gene Encoding a Major Regulator of Conidiation in <i>Neurospora crassa</i> . Genetics, 2010, 184, 651-658.	2.9	41
28	A complex photoreceptor system mediates the regulation by light of the conidiation genes <i>con-10</i> and <i>con-6</i> in <i>Neurospora crassa</i> . Fungal Genetics and Biology, 2010, 47, 352-363.	2.1	75
29	Photobiology in the Zygomycota: Multiple photoreceptor genes for complex responses to light. Fungal Genetics and Biology, 2010, 47, 893-899.	2.1	76
30	A glimpse into the basis of vision in the kingdom Mycota. Fungal Genetics and Biology, 2010, 47, 881-892.	2.1	162
31	A role in the regulation of transcription by light for RCO-1 and RCM-1, the <i>Neurospora</i> homologs of the yeast Tup1-Ssn6 repressor. Fungal Genetics and Biology, 2010, 47, 939-952.	2.1	30
32	<i>Phycomyces</i> MADB interacts with MADA to form the primary photoreceptor complex for fungal phototropism. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7095-7100.	7.1	73
33	Genomic Analysis of the Basal Lineage Fungus <i>Rhizopus oryzae</i> Reveals a Whole-Genome Duplication. PLoS Genetics, 2009, 5, e1000549.	3.5	332
34	A Genetic Selection For <i>Neurospora crassa</i> Mutants Altered in Their Light Regulation of Transcription. Genetics, 2008, 178, 171-183.	2.9	22
35	Fungal photoreceptors: sensory molecules for fungal development and behaviour. Photochemical and Photobiological Sciences, 2007, 6, 725.	2.9	184
36	New findings of <i>Neurospora</i> in Europe and comparisons of diversity in temperate climates on continental scales. Mycologia, 2006, 98, 550-559.	1.9	31

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37	Regulation by blue light and heat shock of gene transcription in the fungus <i>Phycomyces</i> : proteins required for photoinduction and mechanism for adaptation to light. <i>Molecular Microbiology</i> , 2006, 61, 1049-1059.	2.5	34
38	The <i>Phycomyces madA</i> gene encodes a blue-light photoreceptor for phototropism and other light responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4546-4551.	7.1	124
39	New findings of <i>Neurospora</i> in Europe and comparisons of diversity in temperate climates on continental scales. <i>Mycologia</i> , 2006, 98, 550-559.	1.9	64
40	The gene for the heat-shock protein HSP100 is induced by blue light and heat-shock in the fungus <i>Phycomyces blakesleeanus</i> . <i>Current Genetics</i> , 2004, 46, 295-303.	1.7	27
41	Nucleotide composition in protein-coding and non-coding DNA in the zygomycete <i>Phycomyces blakesleeanus</i> . <i>Mycological Research</i> , 2004, 108, 858-863.	2.5	3
42	Photomorphogenesis in <i>Phycomyces</i> : differential display of gene expression by PCR with arbitrary primers. <i>Molecular Genetics and Genomics</i> , 2002, 267, 424-428.	2.1	14
43	Genes for mevalonate biosynthesis in <i>Phycomyces</i> . <i>Molecular Genetics and Genomics</i> , 2002, 266, 768-777.	2.1	48
44	Chapter 21 Genetics of <i>Phycomyces</i> and its responses to light. <i>Comprehensive Series in Photosciences</i> , 2001, 1, 589-620.	0.3	5
45	Separate Sensory Pathways for Photomorphogenesis in <i>Phycomyces</i> . <i>Photochemistry and Photobiology</i> , 1998, 67, 467-472.	2.5	15
46	Genomic Structure and Sequence Analysis of the Valyl-tRNA synthetase Gene of the Japanese Pufferfish, <i>Fugu rubripes</i> . <i>DNA Sequence</i> , 1997, 7, 141-151.	0.7	1
47	Genomic organization of the fungus <i>Phycomyces</i> . <i>Gene</i> , 1996, 174, 43-50.	2.2	8
48	Translocation events in the evolution of aminoacyl-tRNA synthetases.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 8485-8489.	7.1	12
49	Spanish practice. <i>Nature</i> , 1996, 384, 106-106.	27.8	0
50	Photoregulation of Fungal Gene Expression. , 1996, , 285-292.		5
51	Light and Developmental Regulation of the Gene con-10 of <i>Neurospora crassa</i> . <i>Developmental Biology</i> , 1995, 167, 190-200.	2.0	63
52	Sequence analysis of thymidine kinase-defective mutants of equine herpesvirus-1 (EHV-1). <i>Gene</i> , 1993, 126, 257-260.	2.2	4
53	Cloning a segment of the gene encoding 3-hydroxy-3-methylglutaryl coenzyme A reductase in <i>Phycomyces blakesleeanus</i> and <i>Gibberella fujikuroi</i> by the polymerase chain reaction. <i>Experimental Mycology</i> , 1992, 16, 167-171.	1.6	12
54	Differentiation of neuroblastoma cells correlates with an altered splicing pattern of tau RNA. <i>FEBS Letters</i> , 1992, 299, 10-14.	2.8	18

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55	Cysteinyl-tRNA synthetase is a direct descendant of the first aminoacyl-tRNA synthetase. FEBS Letters, 1991, 286, 176-180.	2.8	24
56	A test of human cDNA synthesis by the polymerase chain reaction. Genetic Analysis, Techniques and Applications, 1991, 8, 134-135.	1.5	11
57	PHOTOMORPHOGENESIS IN Phycomyces and IN OTHER FUNGI. Photochemistry and Photobiology, 1991, 54, 319-327.	2.5	28
58	Isolation and molecular analysis of the orotidine-5-phosphate decarboxylase gene (pyrG) of Phycomyces blakesleanus. Molecular Genetics and Genomics, 1990, 224, 269-278.	2.4	46
59	Photomorphogenesis in behavioural and colour mutants of Phycomyces. Journal of Photochemistry and Photobiology B: Biology, 1990, 6, 325-335.	3.8	19
60	SUBLIMINAL LIGHT CONTROL OF DARK ADAPTATION KINETICS IN Phycomyces PHOTOTROPISM. Photochemistry and Photobiology, 1989, 49, 485-491.	2.5	19
61	Photomorphogenesis inPhycomyces: Dependence on environmental conditions. Planta, 1988, 174, 309-314.	3.2	28
62	Photomorphogenesis inPhycomyces: Fluence-response curves and action spectra. Planta, 1988, 174, 315-320.	3.2	41
63	Light Sensing. , 0, , 415-441.		9