# Luis MarÃ-a Corrochano PelÃ¡ez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5402508/publications.pdf

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|---|---|---|---|
| 63 papers | 2,974 citations | 201674 27 h-index | 168389 53 g-index |
| 66 all docs | 66 docs citations | 66 times ranked | 2483 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Genomic Analysis of the Basal Lineage Fungus Rhizopus oryzae Reveals a Whole-Genome Duplication. PLoS Genetics, 2009, 5, e1000549. | 3.5 | 332 |
| 2 | Comparative genomics of citric-acid-producing Aspergillus niger ATCC 1015 versus enzyme-producing CBS 513.88. Genome Research, 2011, 21, 885-897. | 5.5 | 329 |
| 3 | Fungal photoreceptors: sensory molecules for fungal development and behaviour. Photochemical and Photobiological Sciences, 2007, 6, 725. | 2.9 | 184 |
| 4 | Expansion of Signal Transduction Pathways in Fungi by Extensive Genome Duplication. Current Biology, 2016, 26, 1577-1584. | 3.9 | 175 |
| 5 | A glimpse into the basis of vision in the kingdom Mycota. Fungal Genetics and Biology, 2010, 47, 881-892. | 2.1 | 162 |
| 6 | Regulation of Conidiation by Light in Aspergillus nidulans. Genetics, 2011, 188, 809-822. | 2.9 | 127 |
| 7 | The Phycomyces madA gene encodes a blue-light photoreceptor for phototropism and other light responses. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4546-4551. | 7.1 | 124 |
| 8 | Light in the Fungal World: From Photoreception to Gene Transcription and Beyond. Annual Review of Genetics, 2019, 53, 149-170. | 7.6 | 83 |
| 9 | Photobiology in the Zygomycota: Multiple photoreceptor genes for complex responses to light. Fungal Genetics and Biology, 2010, 47, 893-899. | 2.1 | 76 |
| 10 | A complex photoreceptor system mediates the regulation by light of the conidiation genes con-10 and con-6 in Neurospora crassa. Fungal Genetics and Biology, 2010, 47, 352-363. | 2.1 | 75 |
| 11 | PhycomycesMADB 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 |
| 12 | Fungal cryptochrome with DNA repair activity reveals an early stage in cryptochrome evolution. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15130-15135. | 7.1 | 72 |
| 13 | New findings of Neurospora in Europe and comparisons of diversity in temperate climates on continental scales. Mycologia, 2006, 98, 550-559. | 1.9 | 64 |
| 14 | Light and Developmental Regulation of the Gene con-10 of Neurospora crassa. Developmental Biology, 1995, 167, 190-200. | 2.0 | 63 |
| 15 | Genes for mevalonate biosynthesis in Phycomyces. Molecular Genetics and Genomics, 2002, 266, 768-777. | 2.1 | 48 |
| 16 | Isolation and molecular analysis of the orotidine-5â€²-phosphate decarboxylase gene (pyrG) of Phycomyces blakesleeanus. Molecular Genetics and Genomics, 1990, 224, 269-278. | 2.4 | 46 |
| 17 | Fungal stress biology: a preface to the Fungal Stress Responses special edition. Current Genetics, 2015, 61, 231-238. | 1.7 | 46 |
| 18 | The Complexity of Fungal Vision. Microbiology Spectrum, 2016, 4, . | 3.0 | 46 |

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|---|---|---|---|
| 19 | A Relationship between Carotenoid Accumulation and the Distribution of Species of the Fungus Neurospora in Spain. PLoS ONE, 2012, 7, e33658. | 2.5 | 43 |
| 20 | Photomorphogenesis inPhycomyces: Fluence-response curves and action spectra. Planta, 1988, 174, 315-320. | 3.2 | 41 |
| 21 | Regulation by Blue Light of the fluffy Gene Encoding a Major Regulator of Conidiation in Neurospora crassa. Genetics, 2010, 184, 651-658. | 2.9 | 41 |
| 22 | A gene for carotene cleavage required for pheromone biosynthesis and carotene regulation in the fungus Phycomyces blakesleeanus. Fungal Genetics and Biology, 2012, 49, 398-404. | 2.1 | 37 |
| 23 | Regulation by blue light and heat shock of gene transcription in the fungus Phycomyces: proteins required for photoinduction and mechanism for adaptation to light. Molecular Microbiology, 2006, 61, 1049-1059. | 2.5 | 34 |
| 24 | New findings of Neurospora in Europe and comparisons of diversity in temperate climates on continental scales. Mycologia, 2006, 98, 550-559. | 1.9 | 31 |
| 25 | Conidiation in Neurospora crassa: vegetative reproduction by a model fungus. International Microbiology, 2020, 23, 97-105. | 2.4 | 31 |
| 26 | A role in the regulation of transcription by light for RCO-1 and RCM-1, the Neurospora homologs of the yeast Tup1â€“Ssn6 repressor. Fungal Genetics and Biology, 2010, 47, 939-952. | 2.1 | 30 |
| 27 | Photomorphogenesis inPhycomyces: Dependence on environmental conditions. Planta, 1988, 174, 309-314. | 3.2 | 28 |
| 28 | PHOTOMORPHOGENESIS IN Phycomyces and IN OTHER FUNGI. Photochemistry and Photobiology, 1991, 54, 319-327. | 2.5 | 28 |
| 29 | Control of Development, Secondary Metabolism and Light-Dependent Carotenoid Biosynthesis by the Velvet Complex of Neurospora crassa. Genetics, 2019, 212, 691-710. | 2.9 | 28 |
| 30 | The gene for the heat-shock protein HSP100 is induced by blue light and heat-shock in the fungus Phycomyces blakesleeanus. Current Genetics, 2004, 46, 295-303. | 1.7 | 27 |
| 31 | Outcome of blue, green, red, and white light on Metarhizium robertsii during mycelial growth on conidial stress tolerance and gene expression. Fungal Biology, 2020, 124, 263-272. | 2.5 | 27 |
| 32 | Fungal photobiology: a synopsis. IMA Fungus, 2011, 2, 25-28. | 3.8 | 26 |
| 33 | Regulation of transcription by light in Neurospora crassa: AÂmodel for fungal photobiology?. Fungal Biology Reviews, 2013, 27, 10-18. | 4.7 | 25 |
| 34 | Cysteinyl-tRNA synthetase is a direct descendant of the first aminoacyl-tRNA synthetase. FEBS Letters, 1991, 286, 176-180. | 2.8 | 24 |
| 35 | Transcriptional basis of enhanced photoinduction of carotenoid biosynthesis at low temperature in the fungus Neurospora crassa. Research in Microbiology, 2018, 169, 78-89. | 2.1 | 23 |
| 36 | A Genetic Selection For Neurospora crassa Mutants Altered in Their Light Regulation of Transcription. Genetics, 2008, 178, 171-183. | 2.9 | 22 |

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|---|---|---|---|
| 37 | A Ras GTPase associated protein is involved in the phototropic and circadian photobiology responses in fungi. Scientific Reports, 2017, 7, 44790. | 3.3 | 22 |
| 38 | A global multilocus analysis of the model fungus Neurospora reveals a single recent origin of a novel genetic system. Molecular Phylogenetics and Evolution, 2014, 78, 136-147. | 2.7 | 20 |
| 39 | SUBLIMINAL LIGHT CONTROL OF DARK ADAPTATION KINETICS IN Phycomyces PHOTOTROPISM. Photochemistry and Photobiology, 1989, 49, 485-491. | 2.5 | 19 |
| 40 | Photomorphogenesis in behavioural and colour mutants of Phycomyces. Journal of Photochemistry and Photobiology B: Biology, 1990, 6, 325-335. | 3.8 | 19 |
| 41 | The DASH-type Cryptochrome from the Fungus Mucor circinelloides Is a Canonical CPD-Photolyase. Current Biology, 2020, 30, 4483-4490.e4. | 3.9 | 19 |
| 42 | Differentiation of neuroblastoma cells correlates with an altered splicing pattern of tau RNA. FEBS Letters, 1992, 299, 10-14. | 2.8 | 18 |
| 43 | Separate Sensory Pathways for Photomorphogenesis in Phycomyces. Photochemistry and Photobiology, 1998, 67, 467-472. | 2.5 | 15 |
| 44 | Photomorphogenesis in Phycomyces: differential display of gene expression by PCR with arbitrary primers. Molecular Genetics and Genomics, 2002, 267, 424-428. | 2.1 | 14 |
| 45 | Alteration of Light-Dependent Gene Regulation by the Absence of the RCO-1/RCM-1 Repressor Complex in the Fungus Neurospora crassa. PLoS ONE, 2014, 9, e95069. | 2.5 | 13 |
| 46 | Photobiology of the keystone genus Metarhizium. Journal of Photochemistry and Photobiology B: Biology, 2022, 226, 112374. | 3.8 | 13 |
| 47 | Cloning a segment of the gene encoding 3-hydroxy-3-methylglutaryl coenzyme A reductase inPhycomyces blakesleeanus andGibberella fujikuroi by the polymerase chain reaction. Experimental Mycology, 1992, 16, 167-171. | 1.6 | 12 |
| 48 | Translocation events in the evolution of aminoacyl-tRNA synthetases.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8485-8489. | 7.1 | 12 |
| 49 | A test of human cDNA synthesis by the polymerase chain reaction. Genetic Analysis, Techniques and Applications, 1991, 8, 134-135. | 1.5 | 11 |
| 50 | Light regulates a Phycomyces blakesleeanus gene family similar to the carotenogenic repressor gene of Mucor circinelloides. Fungal Biology, 2020, 124, 338-351. | 2.5 | 10 |
| 51 | Light Sensing. , 0, , 415-441. | | 9 |
| 52 | Genomic organization of the fungus Phycomyces. Gene, 1996, 174, 43-50. | 2.2 | 8 |
| 53 | 11 Photomorphogenesis and Gravitropism in Fungi. , 2016, , 235-266. | | 7 |
| 54 | Chapter 21 Genetics of Phycomyces and its responses to light. Comprehensive Series in Photosciences, 2001, 1, 589-620. | 0.3 | 5 |

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|---|---|---|---|
| 55 | Glucose sensing and light regulation: A mutation in the glucose sensor RCO-3 modifies photoadaptation in Neurospora crassa. Fungal Biology, 2018, 122, 497-504. | 2.5 | 5 |
| 56 | Photoregulation of Fungal Gene Expression. , 1996, , 285-292. | | 5 |
| 57 | Light regulates the degradation of the regulatory protein VE-1 in the fungus Neurospora crassa. BMC Biology, 2022, 20, . | 3.8 | 5 |
| 58 | Sequence analysis of thymidine kinase-defective mutants of equine herpesvirus-1 (EHV-1). Gene, 1993, 126, 257-260. | 2.2 | 4 |
| 59 | Nucleotide composition in protein-coding and non-coding DNA in the zygomycete Phycomyces blakesleeanus. Mycological Research, 2004, 108, 858-863. | 2.5 | 3 |
| 60 | Measurement of Phototropism of the Sporangiophore of Phycomyces blakesleeanus. Methods in Molecular Biology, 2019, 1924, 63-81. | 0.9 | 2 |
| 61 | Genomic Structure and Sequence Analysis of the Valyl-tRNA synthetase Gene of the Japanese Pufferfish,Fugu rubripes. DNA Sequence, 1997, 7, 141-151. | 0.7 | 1 |
| 62 | Spanish practice. Nature, 1996, 384, 106-106. | 27.8 | 0 |
| 63 | The Complexity of Fungal Vision. , 2017, , 441-461. | | 0 |