Robert Debuchy

List of Publications by Year
in descending order

45 papers	2,372 citations	218677 26 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	1989 citing authors

#	Article	IF	Citations
1	The genome sequence of the model ascomycete fungus Podospora anserina. Genome Biology, 2008, 9, R77.	9.6	301
2	Multiple recent horizontal transfers of a large genomic region in cheese making fungi. Nature Communications, 2014, 5, 2876.	12.8	195
3	The mating types ofPodospora anserina : functional analysis and sequence of the fertilization domains. Molecular Genetics and Genomics, 1992, 233, 113-121.	2.4	113
4	Adaptive Horizontal Gene Transfers between Multiple Cheese-Associated Fungi. Current Biology, 2015, 25, 2562-2569.	3.9	110
5	Gene deletion and allelic replacement in the filamentous fungus Podospora anserina. Current Genetics, 2008, 53, 249-258.	1.7	102
6	Mating Systems and Sexual Morphogenesis in Ascomycetes. , 0, , 499-535.		99
7	The mat- allele of Podospora anserina contains three regulatory genes required for the development of fertilized female organs. Molecular Genetics and Genomics, 1993, 241-241, 667-673.	2.4	96
8	Tracing the Origin of the Fungal Î±1 Domain Places Its Ancestor in the HMG-Box Superfamily: Implication for Fungal Mating-Type Evolution. PLoS ONE, 2010, 5, e15199.	2.5	93
9	Co-expression of the Mating-Type Genes Involved in Internuclear Recognition Is Lethal in Podospora anserina. Genetics, 2000, 155, 657-669.	2.9	73
10	The Function of the Coding Sequences for the Putative Pheromone Precursors in Podospora anserina Is Restricted to Fertilization. Eukaryotic Cell, 2005, 4, 407-420.	3.4	70
11	Maintaining Two Mating Types: Structure of the Mating Type Locus and Its Role in Heterokaryosis in Podospora anserina. Genetics, 2014, 197, 421-432.	2.9	69
12	Asy2/Mer2: an evolutionarily conserved mediator of meiotic recombination, pairing, and global chromosome compaction. Genes and Development, 2017, 31, 1880-1893.	5.9	62
13	A Network of HMG-box Transcription Factors Regulates Sexual Cycle in the Fungus Podospora anserina. PLoS Genetics, 2013, 9, e1003642.	3.5	58
14	Transformation by integration in Podospora anserina. Molecular Genetics and Genomics, 1985, 200, 128.	2.4	56
15	A homologue of the yeast SHE4 gene is essential for the transition between the syncytial and cellular stages during sexual reproduction of the fungus Podospora anserina. EMBO Journal, 1998, 17, 1248-1258.	7.8	56
16	Internuclear Recognition: A Possible Connection between Euascomycetes and Homobasidiomycetes. Fungal Genetics and Biology, 1999, 27, 218-223.	2.1	56
17	IDC1, a Pezizomycotina-specific gene that belongs to the PaMpk1 MAP kinase transduction cascade of the filamentous fungus Podospora anserina. Fungal Genetics and Biology, 2007, 44, 1219-1230.	2.1	53
18	pah1: a homeobox gene involved in hyphal morphology and microconidiogenesis in the filamentous ascomycete Podospora anserina. Molecular Microbiology, 2001, 39, 54-64.	2.5	51

#	Article	IF	Citations
19	Genome-Wide Gene Expression Profiling of Fertilization Competent Mycelium in Opposite Mating Types in the Heterothallic Fungus Podospora anserina. PLoS ONE, 2011, 6, e21476.	2.5	51
20	The importomer peroxins are differentially required for peroxisome assembly and meiotic development in Podospora anserina: insights into a new peroxisome import pathway. Molecular Microbiology, 2011, 82, 365-377.	2.5	50
21	<scp>ISDra</scp>2 transposition in <scp>D</scp>einococcus radiodurans is downregulated by <scp>TnpB</scp>. Molecular Microbiology, 2013, 88, 443-455.	2.5	46
22	Population genomics of apricots unravels domestication history and adaptive events. Nature Communications, 2021, 12, 3956.	12.8	45
23	Building bridges to move recombination complexes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12400-12409.	7.1	39
24	Studies on the maintenance and expression of cloned DNA fragments in the nuclear genome of the green alga Chlamydomonas Reinhardtii. Physiologia Plantarum, 1990, 78, 254-260.	5.2	37
25	Systematic Deletion of Homeobox Genes in Podospora anserina Uncovers Their Roles in Shaping the Fruiting Body. PLoS ONE, 2012, 7, e37488.	2.5	37
26	Population Genome Sequencing of the Scab Fungal SpeciesVenturia inaequalis,Venturia pirina,Venturia aucupariaeandVenturia asperata. G3: Genes, Genomes, Genetics, 2019, 9, 2405-2414.	1.8	33
27	Transformation by integration in Podospora anserina. Molecular Genetics and Genomics, 1987, 210, 129-134.	2.4	32
28	Mutations in Mating-Type Genes of the Heterothallic Fungus Podospora anserina Lead to Self-Fertility. Genetics, 2001, 159, 545-556.	2.9	32
29	Studies on the maintenance and expression of cloned DNA fragments in the nuclear genome of the green alga Chlamydomonas reinhardtii. Physiologia Plantarum, 1990, 78, 254-260.	5.2	29
30	Altering a Gene Involved in Nuclear Distribution Increases the Repeat-Induced Point Mutation Process in the Fungus Podospora anserina. Genetics, 2004, 167, 151-159.	2.9	29
31	A gene graveyard in the genome of the fungus Podospora comata. Molecular Genetics and Genomics, 2019, 294, 177-190.	2.1	29
32	Characterization of the genomic organization of the region bordering the centromere of chromosome V of Podospora anserina by direct sequencing. Fungal Genetics and Biology, 2003, 39, 250-263.	2.1	25
33	Comparative genomics applied to Mucor species with different lifestyles. BMC Genomics, 2020, 21, 135.	2.8	23
34	PaPro1 and IDC4, Two Genes Controlling Stationary Phase, Sexual Development and Cell Degeneration in Podospora anserina. Journal of Fungi (Basel, Switzerland), 2018, 4, 85.	3.5	19
35	A general framework for optimization of probes for gene expression microarray and its application to the fungus Podospora anserina. BMC Research Notes, 2010, 3, 171.	1.4	16
36	A RID-like putative cytosine methyltransferase homologue controls sexual development in the fungus Podospora anserina. PLoS Genetics, 2019, 15, e1008086.	3.5	16

#	Article	IF	Citations
37	Whole-genome sequencing reveals recent and frequent genetic recombination between clonal lineages of Cryphonectria parasitica in western Europe. Fungal Genetics and Biology, 2019, 130, 122-133.	2.1	16
38	Chromosome walking towards a centromere in the filamentous fungus Podospora anserina: cloning of a sequence lethal at a two-copy state. Current Genetics, 1988, 13, 105-111.	1.7	14
39	Mutations in mating-type genes greatly decrease repeat-induced point mutation process in the fungus Podospora anserina. Fungal Genetics and Biology, 2008, 45, 207-220.	2.1	9
40	Inositol-phosphate signaling as mediator for growth and sexual reproduction in Podospora anserina. Developmental Biology, 2017, 429, 285-305.	2.0	6
41	Cochliobolus and Podospora: Mechanisms of Sex Determination and the Evolution of Reproductive Lifestyle. , 0, , 91-121.		6
42	The taxonomy of the model filamentous fungus Podospora anserina. MycoKeys, 2020, 75, 51-69.	1.9	6
43	RNAi-Related Dicer and Argonaute Proteins Play Critical Roles for Meiocyte Formation, Chromosome-Axes Lengths and Crossover Patterning in the Fungus Sordaria macrospora. Frontiers in Cell and Developmental Biology, 2021, 9, 684108.	3.7	5
44	The mitochondrial translocase of the inner membrane PaTim54 is involved in defense response and longevity in Podospora anserina. Fungal Genetics and Biology, 2019, 132, 103257.	2.1	4
45	What is a. Molecular Genetics and Genomics, 1997, 256, 169.	2.4	2