Minou Nowrousian

List of Publications by Year in Descending Order

64 papers	2,097 citations	28 h-index	45 g-index
70 ext. papers	2,540 ext. citations	5.3 avg, IF	4.99 L-index

#	Paper	IF	Citations
64	Endoplasmic reticulum membrane receptors of the GET pathway are conserved throughout eukaryotes. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
63	A 20-kb lineage-specific genomic region tames virulence in pathogenic amphidiploid Verticillium longisporum. *Molecular Plant Pathology*, **2021**, 22, 939-953	5.7	2
62	Long transposon-rich centromeres in an oomycete reveal divergence of centromere features in Stramenopila-Alveolata-Rhizaria lineages. *PLoS Genetics*, **2020**, 16, e1008646	6	12
61	Sordaria macrospora: 25 years as a model organism for studying the molecular mechanisms of fruiting body development. *Applied Microbiology and Biotechnology*, **2020**, 104, 3691-3704	5.7	15
60	Degradative Capacity of Two Strains of : From Phenotype to Genotype. *Frontiers in Microbiology*, **2020**, 11, 1338	5.7	4
59	Convergent evolution of linked mating-type loci in basidiomycete fungi. *PLoS Genetics*, **2019**, 15, e1008365	6	15
58	Genetic and Genomic Analyses Reveal Boundaries between Species Closely Related to Pathogens. *MBio*, **2019**, 10,	7.8	17
57	Combination of Proteogenomics with Peptide Sequencing Identifies New Genes and Hidden Posttranscriptional Modifications. *MBio*, **2019**, 10,	7.8	22
56	Comparative Genomics and Transcriptomics To Analyze Fruiting Body Development in Filamentous Ascomycetes. *Genetics*, **2019**, 213, 1545-1563	4	5
55	The secreted metabolome of and implications for bacterial chemistry. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2490-2495	11.5	48
54	Genomics and transcriptomics to study fruiting body development: An update. *Fungal Biology Reviews*, **2018**, 32, 231-235	6.8	8
53	Visual tuning in the flashlight fish Anomalops katoptron to detect blue, bioluminescent light. *PLoS ONE*, **2018**, 13, e0198765	3.7	6
52	Pezizomycetes genomes reveal the molecular basis of ectomycorrhizal truffle lifestyle. *Nature Ecology and Evolution*, **2018**, 2, 1956-1965	12.3	52
51	The transcription factor PRO44 and the histone chaperone ASF1 regulate distinct aspects of multicellular development in the filamentous fungus Sordaria macrospora. *BMC Genetics*, **2018**, 19, 112	2.6	8
50	Mating-type factor-specific regulation of the fumagillin/pseurotin secondary metabolite supercluster in Aspergillus fumigatus. *Molecular Microbiology*, **2018**, 110, 1045-1065	4.1	8
49	Innovation and constraint leading to complex multicellularity in the Ascomycota. *Nature Communications*, **2017**, 8, 14444	17.4	52
48	Simple discovery of bacterial biocatalysts from environmental samples through functional metaproteomics. *Microbiome*, **2017**, 5, 28	16.6	16

47	RNA Editing During Sexual Development Occurs in Distantly Related Filamentous Ascomycetes. *Genome Biology and Evolution*, **2017**, 9, 855-868	3.9	28
46	New insights from an old mutant: SPADIX4 governs fruiting body development but not hyphal fusion in Sordaria macrospora. *Molecular Genetics and Genomics*, **2017**, 292, 93-104	3.1	8
45	Fungal genome and mating system transitions facilitated by chromosomal translocations involving intercentromeric recombination. *PLoS Biology*, **2017**, 15, e2002527	9.7	44
44	Complete Mitochondrial Genome Sequence of the Pezizomycete Pyronema confluens. *Genome Announcements*, **2016**, 4,		5
43	Von Maxam-Gilbert und Sanger zur Next Generation-Sequenzierung. *BioSpektrum*, **2015**, 21, 25-27	0.1	1
42	Genomics and Transcriptomics Analyses of the Oil-Accumulating Basidiomycete Yeast Trichosporon oleaginosus: Insights into Substrate Utilization and Alternative Evolutionary Trajectories of Fungal Mating Systems. *MBio*, **2015**, 6, e00918	7.8	52
41	Microarray hybridization analysis of light-dependent gene expression in Penicillium chrysogenum identifies bZIP transcription factor PcAtfA. *Journal of Basic Microbiology*, **2015**, 55, 480-9	2.7	7
40	Functional Analysis of Developmentally Regulated Genes chs7 and sec22 in the Ascomycete Sordaria macrospora. *G3: Genes, Genomes, Genetics*, **2015**, 5, 1233-45	3.2	8
39	Analysis of Circadian Rhythms in the Basal Filamentous Ascomycete Pyronema confluens. *G3: Genes, Genomes, Genetics*, **2015**, 5, 2061-71	3.2	12
38	Laser-Mikrodissektion und RNA-Seq zur Analyse der Genexpression in Pilzen. *BioSpektrum*, **2014**, 20, 30-32	0.1	
37	The polyketide synthase gene pks4 is essential for sexual development and regulates fruiting body morphology in Sordaria macrospora. *Fungal Genetics and Biology*, **2014**, 68, 48-59	3.9	28
36	New insights into the roles of NADPH oxidases in sexual development and ascospore germination in Sordaria macrospora. *Genetics*, **2014**, 196, 729-44	4	65
35	Gene expansion shapes genome architecture in the human pathogen Lichtheimia corymbifera: an evolutionary genomics analysis in the ancient terrestrial mucorales (Mucoromycotina). *PLoS Genetics*, **2014**, 10, e1004496	6	55
34	The filamentous fungus Sordaria macrospora as a genetic model to study fruiting body development. *Advances in Genetics*, **2014**, 87, 199-244	3.3	44
33	7 Genomics and Transcriptomics to Analyze Fruiting Body Development **2014**, 149-172		9
32	Genomsequenzierung zur Identifikation von Mutationen. *BioSpektrum*, **2013**, 19, 25-27	0.1	2
31	Fungal gene expression levels do not display a common mode of distribution. *BMC Research Notes*, **2013**, 6, 559	2.3	4
30	Suppression subtractive hybridization and comparative expression analysis to identify developmentally regulated genes in filamentous fungi. *Journal of Basic Microbiology*, **2013**, 53, 742-51	2.7	9

29	The genome and development-dependent transcriptomes of Pyronema confluens: a window into fungal evolution. *PLoS Genetics*, **2013**, 9, e1003820	6	65
28	The histone chaperone ASF1 is essential for sexual development in the filamentous fungus Sordaria macrospora. *Molecular Microbiology*, **2012**, 84, 748-65	4.1	15
27	Combining laser microdissection and RNA-seq to chart the transcriptional landscape of fungal development. *BMC Genomics*, **2012**, 13, 511	4.5	54
26	Deep sequencing uncovers numerous small RNAs on all four replicons of the plant pathogen Agrobacterium tumefaciens. *RNA Biology*, **2012**, 9, 446-57	4.8	66
25	Whole-Genome Sequencing of Sordaria macrospora Mutants Identifies Developmental Genes. *G3: Genes, Genomes, Genetics*, **2012**, 2, 261-70	3.2	70
24	10 Evolution of Genes for Secondary Metabolism in Fungi **2011**, 231-255		6
23	De novo assembly of a 40 Mb eukaryotic genome from short sequence reads: Sordaria macrospora, a model organism for fungal morphogenesis. *PLoS Genetics*, **2010**, 6, e1000891	6	152
22	Next-generation sequencing techniques for eukaryotic microorganisms: sequencing-based solutions to biological problems. *Eukaryotic Cell*, **2010**, 9, 1300-10		106
21	Sordaria macrospora, a model organism to study fungal cellular development. *European Journal of Cell Biology*, **2010**, 89, 864-72	6.1	43
20	A novel polyketide biosynthesis gene cluster is involved in fruiting body morphogenesis in the filamentous fungi Sordaria macrospora and Neurospora crassa. *Current Genetics*, **2009**, 55, 185-98	2.9	24
19	Sordaria macrospora, a Model System for Fungal Development **2009**, 17-39		18
18	Three alpha-subunits of heterotrimeric G proteins and an adenylyl cyclase have distinct roles in fruiting body development in the homothallic fungus Sordaria macrospora. *Genetics*, **2008**, 180, 191-206	4	33
17	The Molecular Workings of the Neurospora Biological Clock. *Novartis Foundation Symposium*, **2008**, 184-202		4
16	The novel ER membrane protein PRO41 is essential for sexual development in the filamentous fungus Sordaria macrospora. *Molecular Microbiology*, **2007**, 64, 923-37	4.1	61
15	Regulation of melanin biosynthesis via the dihydroxynaphthalene pathway is dependent on sexual development in the ascomycete Sordaria macrospora. *FEMS Microbiology Letters*, **2007**, 275, 62-70	2.9	60
14	Of patterns and pathways: microarray technologies for the analysis of filamentous fungi. *Fungal Biology Reviews*, **2007**, 21, 171-178	6.8	14
13	The WW domain protein PRO40 is required for fungal fertility and associates with Woronin bodies. *Eukaryotic Cell*, **2007**, 6, 831-43		74
12	Multiple layers of temporal and spatial control regulate accumulation of the fruiting body-specific protein APP in Sordaria macrospora and Neurospora crassa. *Fungal Genetics and Biology*, **2007**, 44, 602-14	3.9	29

11	Comparative gene expression analysis of fruiting body development in two filamentous fungi. *FEMS Microbiology Letters*, **2006**, 257, 328-35	2.9	21
10	The gene for a lectin-like protein is transcriptionally activated during sexual development, but is not essential for fruiting body formation in the filamentous fungus Sordaria macrospora. *BMC Microbiology*, **2005**, 5, 64	4.5	54
9	Cross-species microarray hybridization to identify developmentally regulated genes in the filamentous fungus Sordaria macrospora. *Molecular Genetics and Genomics*, **2005**, 273, 137-49	3.1	91
8	Comparative sequence analysis of Sordaria macrospora and Neurospora crassa as a means to improve genome annotation. *Fungal Genetics and Biology*, **2004**, 41, 285-92	3.9	44
7	The frequency gene is required for temperature-dependent regulation of many clock-controlled genes in Neurospora crassa. *Genetics*, **2003**, 164, 923-33	4	75
6	Analysis of expressed sequence tags from two starvation, time-of-day-specific libraries of Neurospora crassa reveals novel clock-controlled genes. *Genetics*, **2001**, 157, 1057-65	4	74
5	The fungal acl1 and acl2 genes encode two polypeptides with homology to the N- and C-terminal parts of the animal ATP citrate lyase polypeptide. *Current Genetics*, **2000**, 37, 189-93	2.9	34
4	Cell differentiation during sexual development of the fungus Sordaria macrospora requires ATP citrate lyase activity. *Molecular and Cellular Biology*, **1999**, 19, 450-60	4.8	85
3	An efficient procedure to isolate fungal genes from an indexed cosmid library. *Journal of Microbiological Methods*, **1997**, 29, 49-61	2.8	45
2	Genetic and genomic analyses reveal boundaries between species closely related to Cryptococcus pathogens		2
1	Convergent evolution of linked mating-type loci in basidiomycete fungi		1