Hanna Johannesson

List of Publications by Year
in descending order

37 papers	1,672 citations	394421 19 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	2275 citing authors

#	Article	IF	Citations
1	Basidiomycete yeasts in the cortex of ascomycete macrolichens. Science, 2016, 353, 488-492.	12.6	409
2	The Ecology and Evolutionary Dynamics of Meiotic Drive. Trends in Ecology and Evolution, 2016, 31, 315-326.	8.7	305
3	Unidirectional Evolutionary Transitions in Fungal Mating Systems and the Role of Transposable Elements. Molecular Biology and Evolution, 2012, 29, 3215-3226.	8.9	96
4	Two Basidiomycete Fungi in the Cortex of Wolf Lichens. Current Biology, 2019, 29, 476-483.e5.	3.9	71
5	Combinations of Spok genes create multiple meiotic drivers in Podospora. ELife, 2019, 8, .	6.0	60
6	Large-scale suppression of recombination predates genomic rearrangements in Neurospora tetrasperma. Nature Communications, 2017, 8, 1140.	12.8	50
7	Epigenetic Control of Phenotypic Plasticity in the Filamentous Fungus Neurospora crassa. G3: Genes, Genomes, Genetics, 2016, 6, 4009-4022.	1.8	47
8	The Enterprise, a massive transposon carrying Spok meiotic drive genes. Genome Research, 2021, 31, 789-798.	5.5	43
9	Contrasted patterns in mating-type chromosomes in fungi: Hotspots versus coldspots of recombination. Fungal Biology Reviews, 2015, 29, 220-229.	4.7	40
10	Convergent evolution of complex genomic rearrangements in two fungal meiotic drive elements. Nature Communications, 2018, 9, 4242.	12.8	40
11	Introgression maintains the genetic integrity of the mating-type determining chromosome of the fungus Neurospora tetrasperma. Genome Research, 2016, 26, 486-498.	5.5	39
12	Identification ofrfk-1, a Meiotic Driver Undergoing RNA Editing inNeurospora. Genetics, 2019, 212, 93-110.	2.9	31
13	Concerted Evolution in the Repeats of an Immunomodulating Cell Surface Protein, SOWgp, of the Human Pathogenic Fungi Coccidioides immitis and C. posadasii. Genetics, 2005, 171, 109-117.	2.9	30
14	NEUROSPORAAND THE DEAD-END HYPOTHESIS: GENOMIC CONSEQUENCES OF SELFING IN THE MODEL GENUS. Evolution; International Journal of Organic Evolution, 2013, 67, 3600-3616.	2.3	30
15	Sharing of photobionts in sympatric populations of Thamnolia and Cetraria lichens: evidence from high-throughput sequencing. Scientific Reports, 2018, 8, 4406.	3.3	29
16	Maintenance of High Genome Integrity over Vegetative Growth in the Fairy-Ring Mushroom Marasmius oreades. Current Biology, 2019, 29, 2758-2765.e6.	3.9	28
17	An introgressed gene causes meiotic drive inNeurospora sitophila. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
18	A worldwide phylogeography of the whiteworm lichens Thamnolia reveals three lineages with distinct habitats and evolutionary histories. Ecology and Evolution, 2017, 7, 3602-3615.	1.9	23

#	Article	IF	Citations
19	Host genetic variation strongly influences the microbiome structure and function in fungal fruitingâ€bodies. Environmental Microbiology, 2018, 20, 1641-1650.	3.8	23
20	Building de novo reference genome assemblies of complex eukaryotic microorganisms from single nuclei. Scientific Reports, 2020, 10, 1303.	3.3	22
21	Nuclear interactions in a heterokaryon: insight from the modelNeurospora tetrasperma. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140084.	2.6	20
22	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
23	Molecular Mechanisms and Evolutionary Consequences of Spore Killers in Ascomycetes. Microbiology and Molecular Biology Reviews, 2021, 85, e0001621.	6.6	20
24	Neurospora from Natural Populations: Population Genomics Insights into the Life History of a Model Microbial Eukaryote. Methods in Molecular Biology, 2020, 2090, 313-336.	0.9	16
25	ARBitR: an overlap-aware genome assembly scaffolder for linked reads. Bioinformatics, 2021, 37, 2203-2205.	4.1	15
26	Allorecognition genes drive reproductive isolation in Podospora anserina. Nature Ecology and Evolution, 2022, 6, 910-923.	7.8	15
27	Size Variation of the Nonrecombining Region on the Mating-Type Chromosomes in the Fungal Podospora anserina Species Complex. Molecular Biology and Evolution, 2021, 38, 2475-2492.	8.9	13
28	The Assembled and Annotated Genome of the Fairy-Ring Fungus Marasmius oreades. Genome Biology and Evolution, 2021, 13, .	2.5	13
29	Invasion and maintenance of meiotic drivers in populations of ascomycete fungi. Evolution; International Journal of Organic Evolution, 2021, 75, 1150-1169.	2.3	11
30	Comparative analysis of genome-wide DNA methylation in Neurospora. Epigenetics, 2020, 15, 972-987.	2.7	10
31	The spore killers, fungal meiotic driver elements. Mycologia, 2022, 114, 1-23.	1.9	10
32	Fungal species: thoughts on their recognition, maintenance and selection. , 2007, , 313-339.		9
33	Intron evolution in Neurospora: the role of mutational bias and selection. Genome Research, 2015, 25, 100-110.	5.5	9
34	Thamnolia tundrae sp. nov., a cryptic species and putative glacial relict. Lichenologist, 2018, 50, 59-75.	0.8	8
35	Asexual reproduction and growth rate: independent and plastic life history traits in Neurospora crassa. ISME Journal, 2019, 13, 780-788.	9.8	8
36	The Plot Thickens: Haploid and Triploid-Like Thalli, Hybridization, and Biased Mating Type Ratios in Letharia. Frontiers in Fungal Biology, 2021, 2, .	2.0	6

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37	The taxonomy of the model filamentous fungus Podospora anserina. MycoKeys, 2020, 75, 51-69.	1.9	6