

Nicolas Corradi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

4,040
citations

33
h-index

63
g-index

81
ext. papers

5,118
ext. citations

7.2
avg. IF

5.46
L-index

#	Paper	IF	Citations
72	Long reads and Hi-C sequencing illuminate the two-compartment genome of the model arbuscular mycorrhizal symbiont <i>Rhizophagus irregularis</i> . <i>New Phytologist</i> , 2021 ,	9.8	6
71	The arbuscular mycorrhizal fungus <i>Rhizophagus irregularis</i> harmonizes nuclear dynamics in the presence of distinct abiotic factors. <i>Fungal Genetics and Biology</i> , 2021 , 158, 103639	3.9	2
70	Regulation of mating genes during arbuscular mycorrhizal isolate co-existence-where is the evidence?. <i>ISME Journal</i> , 2021 , 15, 2173-2179	11.9	2
69	Host identity influences nuclear dynamics in arbuscular mycorrhizal fungi. <i>Current Biology</i> , 2021 , 31, 1531-1538.e6	6.3	6
68	The genome of <i>Geosiphon pyriformis</i> reveals ancestral traits linked to the emergence of the arbuscular mycorrhizal symbiosis. <i>Current Biology</i> , 2021 , 31, 1570-1577.e4	6.3	7
67	Lineage-Specific Genes and Cryptic Sex: Parallels and Differences between Arbuscular Mycorrhizal Fungi and Fungal Pathogens. <i>Trends in Plant Science</i> , 2021 , 26, 111-123	13.1	11
66	Homo- and Dikaryons of the Arbuscular Mycorrhizal Fungus Differ in Life History Strategy. <i>Frontiers in Plant Science</i> , 2021 , 12, 715377	6.2	4
65	Nuclear Dynamics in the Arbuscular Mycorrhizal Fungi. <i>Trends in Plant Science</i> , 2020 , 25, 765-778	13.1	19
64	Parasexual and Sexual Reproduction in Arbuscular Mycorrhizal Fungi: Room for Both. <i>Trends in Microbiology</i> , 2020 , 28, 517-519	12.4	13
63	Sex Determination: Genetic Dominance in Oomycete Sex. <i>Current Biology</i> , 2020 , 30, R1256-R1258	6.3	2
62	More Filtering on SNP Calling Does Not Remove Evidence of Inter-Nucleus Recombination in Dikaryotic Arbuscular Mycorrhizal Fungi. <i>Frontiers in Plant Science</i> , 2020 , 11, 912	6.2	3
61	Comparative genomics of <i>Rhizophagus irregularis</i> , <i>R. terrebriforme</i> , <i>R. diaphanus</i> and <i>Gigaspora rosea</i> highlights specific genetic features in Glomeromycotina. <i>New Phytologist</i> , 2019 , 222, 1584-1598	9.8	58
60	Genetic and Genome Analyses Reveal Genetically Distinct Populations of the Bee Pathogen <i>Nosema ceranae</i> from Thailand. <i>Microbial Ecology</i> , 2019 , 77, 877-889	4.4	5
59	Ultra-low input transcriptomics reveal the spore functional content and phylogenetic affiliations of poorly studied arbuscular mycorrhizal fungi. <i>DNA Research</i> , 2018 , 25, 217-227	4.5	19
58	High intraspecific genome diversity in the model arbuscular mycorrhizal symbiont <i>Rhizophagus irregularis</i> . <i>New Phytologist</i> , 2018 , 220, 1161-1171	9.8	107
57	Single nucleus sequencing reveals evidence of inter-nucleus recombination in arbuscular mycorrhizal fungi. <i>ELife</i> , 2018 , 7,	8.9	30
56	Glomeromycotina: what is a species and why should we care?. <i>New Phytologist</i> , 2018 , 220, 963-967	9.8	40

55	RiCRN1, a Crinkler Effector From the Arbuscular Mycorrhizal Fungus , Functions in Arbuscule Development. <i>Frontiers in Microbiology</i> , 2018 , 9, 2068	5.7	29
54	Arbuscular mycorrhizal fungi: intraspecific diversity and pangenomes. <i>New Phytologist</i> , 2018 , 220, 1129-1134	13.4	20
53	Genome Analysis of Pseudoloma neurophilia: A Microsporidian Parasite of Zebrafish (Danio rerio). <i>Journal of Eukaryotic Microbiology</i> , 2017 , 64, 18-30	3.6	18
52	Secretoneurin A regulates neurogenic and inflammatory transcriptional networks in goldfish (Carassius auratus) radial glia. <i>Scientific Reports</i> , 2017 , 7, 14930	4.9	6
51	Fungal Mating in the Most Widespread Plant Symbionts?. <i>Trends in Plant Science</i> , 2017 , 22, 175-183	13.1	43
50	The genome of an intranuclear parasite, , reveals alternative adaptations to obligate intracellular parasitism. <i>ELife</i> , 2017 , 6,	8.9	43
49	Evidence for the sexual origin of heterokaryosis in arbuscular mycorrhizal fungi. <i>Nature Microbiology</i> , 2016 , 1, 16033	26.6	89
48	Evolutionary genomics of arbuscular mycorrhizal fungi 2016 , 421-435		2
47	A proteinaceous organic matrix regulates carbonate mineral production in the marine teleost intestine. <i>Scientific Reports</i> , 2016 , 6, 34494	4.9	8
46	The genome of an Encephalitozoon cuniculi type III strain reveals insights into the genetic diversity and mode of reproduction of a ubiquitous vertebrate pathogen. <i>Heredity</i> , 2016 , 116, 458-65	3.6	11
45	A phylum-level phylogenetic classification of zygomycete fungi based on genome-scale data. <i>Mycologia</i> , 2016 , 108, 1028-1046	2.4	684
44	Microsporidia: Eukaryotic Intracellular Parasites Shaped by Gene Loss and Horizontal Gene Transfers. <i>Annual Review of Microbiology</i> , 2015 , 69, 167-83	17.5	72
43	Homokaryotic vs heterokaryotic mycelium in arbuscular mycorrhizal fungi: different techniques, different results?. <i>New Phytologist</i> , 2015 , 208, 638-41	9.8	18
42	Genome analyses suggest the presence of polyploidy and recent human-driven expansions in eight global populations of the honeybee pathogen Nosema ceranae. <i>Environmental Microbiology</i> , 2015 , 17, 4443-58	5.2	45
41	Morphology and phylogeny of Agmasoma penaei (Microsporidia) from the type host, Litopenaeus setiferus, and the type locality, Louisiana, USA. <i>International Journal for Parasitology</i> , 2015 , 45, 1-16	4.3	22
40	Microsporidian genomes harbor a diverse array of transposable elements that demonstrate an ancestry of horizontal exchange with metazoans. <i>Genome Biology and Evolution</i> , 2014 , 6, 2289-300	3.9	21
39	Microsporidian Genome Structure and Function 2014 , 221-229		2
38	Extreme diversification of the mating type-high-mobility group (MATA-HMG) gene family in a plant-associated arbuscular mycorrhizal fungus. <i>New Phytologist</i> , 2014 , 201, 254-268	9.8	45

37	Shared signatures of parasitism and phylogenomics unite Cryptomycota and microsporidia. <i>Current Biology</i> , 2013 , 23, 1548-53	6.3	227
36	Phylogenomics of the intracellular parasite <i>Mikrocytos mackini</i> reveals evidence for a mitosome in rhizaria. <i>Current Biology</i> , 2013 , 23, 1541-7	6.3	61
35	Genome of an arbuscular mycorrhizal fungus provides insight into the oldest plant symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20117-22	11.5	499
34	Latest progress in microsporidian genome research. <i>Journal of Eukaryotic Microbiology</i> , 2013 , 60, 309-12	3.6	20
33	Searching for clues of sexual reproduction in the genomes of arbuscular mycorrhizal fungi. <i>Fungal Ecology</i> , 2013 , 6, 44-49	4.1	24
32	Ecological Genomics of the Microsporidia 2013 , 261-278		
31	Extremely reduced levels of heterozygosity in the vertebrate pathogen <i>Encephalitozoon cuniculi</i> . <i>Eukaryotic Cell</i> , 2013 , 12, 496-502		37
30	The mitochondrial genome of the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> reveals two unsuspected trans-splicing events of group I introns. <i>New Phytologist</i> , 2012 , 194, 836-845	9.8	40
29	Mitochondrial genome invaders: an unselfish role as molecular markers. <i>New Phytologist</i> , 2012 , 196, 963-965	9.5	6
28	Gain and loss of multiple functionally related, horizontally transferred genes in the reduced genomes of two microsporidian parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12638-43	11.5	81
27	The arbuscular mycorrhizal symbiosis: origin and evolution of a beneficial plant infection. <i>PLoS Pathogens</i> , 2012 , 8, e1002600	7.6	63
26	Meiotic genes in the arbuscular mycorrhizal fungi: What for?. <i>Communicative and Integrative Biology</i> , 2012 , 5, 187-9	1.7	10
25	Acquisition of an animal gene by microsporidian intracellular parasites. <i>Current Biology</i> , 2011 , 21, R576-76	3	30
24	Conserved meiotic machinery in <i>Glomus</i> spp., a putatively ancient asexual fungal lineage. <i>Genome Biology and Evolution</i> , 2011 , 3, 950-8	3.9	93
23	The intriguing nature of microsporidian genomes. <i>Briefings in Functional Genomics</i> , 2011 , 10, 115-24	4.9	42
22	Shrink it or lose it: balancing loss of function with shrinking genomes in the microsporidia. <i>Virulence</i> , 2011 , 2, 67-70	4.7	28
21	Microsporidia: Horizontal gene transfers in vicious parasites. <i>Mobile Genetic Elements</i> , 2011 , 1, 251-255		14
20	Splicing and transcription differ between spore and intracellular life stages in the parasitic microsporidia. <i>Molecular Biology and Evolution</i> , 2010 , 27, 1579-84	8.3	16

19	The reduced genome of the parasitic microsporidian <i>Enterocytozoon bienersi</i> lacks genes for core carbon metabolism. <i>Genome Biology and Evolution</i> , 2010 , 2, 304-9	3.9	95
18	The complete sequence of the smallest known nuclear genome from the microsporidian <i>Encephalitozoon intestinalis</i> . <i>Nature Communications</i> , 2010 , 1, 77	17.4	157
17	Evolution of the sex-related locus and genomic features shared in microsporidia and fungi. <i>PLoS ONE</i> , 2010 , 5, e10539	3.7	58
16	Genomic survey of the non-cultivable opportunistic human pathogen, <i>Enterocytozoon bienersi</i> . <i>PLoS Pathogens</i> , 2009 , 5, e1000261	7.6	105
15	High-level molecular diversity of copper-zinc superoxide dismutase genes among and within species of arbuscular Mycorrhizal fungi. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 1970-8	4.8	19
14	Microsporidia: a journey through radical taxonomical revisions. <i>Fungal Biology Reviews</i> , 2009 , 23, 1-8	6.8	96
13	Draft genome sequence of the <i>Daphnia</i> pathogen <i>Octospora bayeri</i> : insights into the gene content of a large microsporidian genome and a model for host-parasite interactions. <i>Genome Biology</i> , 2009 , 10, R106	18.3	60
12	Genetic diversity and host plant preferences revealed by simple sequence repeat and mitochondrial markers in a population of the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> . <i>New Phytologist</i> , 2008 , 178, 672-87	9.8	101
11	Multilocus genotyping of arbuscular mycorrhizal fungi and marker suitability for population genetics. <i>New Phytologist</i> , 2008 , 180, 564-568	9.8	17
10	Microsporidia evolved from ancestral sexual fungi. <i>Current Biology</i> , 2008 , 18, 1675-9	6.3	211
9	Comparative profiling of overlapping transcription in the compacted genomes of microsporidia <i>Antonospora locustae</i> and <i>Encephalitozoon cuciculi</i> . <i>Genomics</i> , 2008 , 91, 388-93	4.3	41
8	mRNA processing in <i>Antonospora locustae</i> spores. <i>Molecular Genetics and Genomics</i> , 2008 , 280, 565-74	3.1	10
7	Gene copy number polymorphisms in an arbuscular mycorrhizal fungal population. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 366-9	4.8	62
6	Patterns of genome evolution among the microsporidian parasites <i>Encephalitozoon cuciculi</i> , <i>Antonospora locustae</i> and <i>Enterocytozoon bienersi</i> . <i>PLoS ONE</i> , 2007 , 2, e1277	3.7	44
5	Evolution of the P-type II ATPase gene family in the fungi and presence of structural genomic changes among isolates of <i>Glomus intraradices</i> . <i>BMC Evolutionary Biology</i> , 2006 , 6, 21	3	32
4	Monophyly of beta-tubulin and H ⁺ -ATPase gene variants in <i>Glomus intraradices</i> : consequences for molecular evolutionary studies of AM fungal genes. <i>Fungal Genetics and Biology</i> , 2004 , 41, 262-73	3.9	43
3	Arbuscular mycorrhizal fungi (Glomeromycota) harbour ancient fungal tubulin genes that resemble those of the chytrids (Chytridiomycota). <i>Fungal Genetics and Biology</i> , 2004 , 41, 1037-45	3.9	38
2	Molecular Evidence for Introgression and Loss of Genetic Variability in <i>Salmo (trutta) macrostigma</i> as a Result of Massive Restocking of Apennine Populations (Northern and Central Italy). <i>Environmental Biology of Fishes</i> , 2003 , 68, 349-356	1.6	34

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More filtering on SNP calling does not remove evidence of inter-nucleus recombination in dikaryotic arbuscular mycorrhizal fungi

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