

Toni Gabaldn

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.

262
papers

19,938
citations

69
h-index

137
g-index

316
ext. papers

27,382
ext. citations

9.4
avg, IF

7.38
L-index

#	Paper	IF	Citations
262	Chromatin profiling reveals heterogeneity in clinical isolates of the human pathogen <i>Aspergillus fumigatus</i> .. <i>PLoS Genetics</i> , 2022 , 18, e1010001	6	4
261	Candidemia Among Coronavirus Disease 2019 Patients in Turkey Admitted to Intensive Care Units: A Retrospective Multicenter Study.. <i>Open Forum Infectious Diseases</i> , 2022 , 9, ofac078	1	3
260	Transcriptome and proteome profiling reveals complex adaptations of <i>Candida parapsilosis</i> cells assimilating hydroxyaromatic carbon sources.. <i>PLoS Genetics</i> , 2022 , 18, e1009815	6	1
259	Multiple Hybridization Events Punctuate the Evolutionary Trajectory of .. <i>MBio</i> , 2022 , e0385321	7.8	1
258	Citizen-science reveals changes in the oral microbiome in Spain through age and lifestyle factors.. <i>Npj Biofilms and Microbiomes</i> , 2022 , 8, 38	8.2	1
257	The long non-coding RNA landscape of <i>Candida</i> yeast pathogens.. <i>Nature Communications</i> , 2021 , 12, 7317	17.4	2
256	The transposable element-rich genome of the cereal pest <i>Sitophilus oryzae</i> . <i>BMC Biology</i> , 2021 , 19, 241	7.3	9
255	Narrow mutational signatures drive acquisition of multidrug resistance in the fungal pathogen <i>Candida glabrata</i> . <i>Current Biology</i> , 2021 , 31, 5314-5326.e10	6.3	4
254	Human albumin enhances the pathogenic potential of <i>Candida glabrata</i> on vaginal epithelial cells. <i>PLoS Pathogens</i> , 2021 , 17, e1010037	7.6	1
253	Extreme diversification driven by parallel events of massive loss of heterozygosity in the hybrid lineage of <i>Candida albicans</i> . <i>Genetics</i> , 2021 , 217,	4	7
252	SeqEditor: an application for primer design and sequence analysis with or without GTF/GFF files. <i>Bioinformatics</i> , 2021 , 37, 1610-1612	7.2	2
251	<i>Candida</i> pathogens induce protective mitochondria-associated type I interferon signalling and a damage-driven response in vaginal epithelial cells. <i>Nature Microbiology</i> , 2021 , 6, 643-657	26.6	16
250	Shared evolutionary footprints suggest mitochondrial oxidative damage underlies multiple complex I losses in fungi. <i>Open Biology</i> , 2021 , 11, 200362	7	1
249	Comparative Genomics Used to Predict Virulence Factors and Metabolic Genes among Species. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	6
248	OCT1 - a yeast mitochondrial thiolase involved in the 3-oxoadipate pathway. <i>FEMS Yeast Research</i> , 2021 , 21,	3.1	1
247	The evolving species concepts used for yeasts: from phenotypes and genomes to speciation networks. <i>Fungal Diversity</i> , 2021 , 109, 27-55	17.6	10
246	Transient Mitochondria Dysfunction Confers Fungal Cross-Resistance against Phagocytic Killing and Fluconazole. <i>MBio</i> , 2021 , 12, e0112821	7.8	1

245	Genome analysis of <i>Candida subhashii</i> reveals its hybrid nature and dual mitochondrial genome conformations. <i>DNA Research</i> , 2021 , 28,	4.5	3
244	Timing the origin of eukaryotic cellular complexity with ancient duplications. <i>Nature Ecology and Evolution</i> , 2021 , 5, 92-100	12.3	17
243	Citizen-science based study of the oral microbiome in Cystic fibrosis and matched controls reveals major differences in diversity and abundance of bacterial and fungal species. <i>Journal of Oral Microbiology</i> , 2021 , 13, 1897328	6.3	3
242	Structural characterization of NORAD reveals a stabilizing role of spacers and two new repeat units. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 3245-3254	6.8	1
241	Roles of the human microbiome in cancer. <i>Hepatobiliary Surgery and Nutrition</i> , 2021 , 10, 558-560	2.1	1
240	Origin and Early Evolution of the Eukaryotic Cell. <i>Annual Review of Microbiology</i> , 2021 , 75, 631-647	17.5	4
239	Profiling of RNA Structure at Single-Nucleotide Resolution Using nextPARS. <i>Methods in Molecular Biology</i> , 2021 , 2284, 51-62	1.4	1
238	Factors enforcing the species boundary between the human pathogens <i>Cryptococcus neoformans</i> and <i>Cryptococcus deneoformans</i> . <i>PLoS Genetics</i> , 2021 , 17, e1008871	6	4
237	EvolClust: automated inference of evolutionary conserved gene clusters in eukaryotes. <i>Bioinformatics</i> , 2020 , 36, 1265-1266	7.2	4
236	Drug-Resistant Fungi: An Emerging Challenge Threatening Our Limited Antifungal Armamentarium. <i>Antibiotics</i> , 2020 , 9,	4.9	28
235	Selection following Gene Duplication Shapes Recent Genome Evolution in the Pea Aphid <i>Acyrtosiphon pisum</i> . <i>Molecular Biology and Evolution</i> , 2020 , 37, 2601-2615	8.3	4
234	Strain I-1582, a Nematode Antagonist by Itself and Through the Plant. <i>Frontiers in Plant Science</i> , 2020 , 11, 796	6.2	10
233	The Transcriptional Aftermath in Two Independently Formed Hybrids of the Opportunistic Pathogen <i>Candida orthopsilosis</i> . <i>MSphere</i> , 2020 , 5,	5	4
232	Genomic evidence for a hybrid origin of the yeast opportunistic pathogen <i>Candida albicans</i> . <i>BMC Biology</i> , 2020 , 18, 48	7.3	21
231	Coronavirus Disease 2019 (COVID-19): Emerging and Future Challenges for Dental and Oral Medicine. <i>Journal of Dental Research</i> , 2020 , 99, 1113	8.1	15
230	Integrative Omics Analysis Reveals a Limited Transcriptional Shock After Yeast Interspecies Hybridization. <i>Frontiers in Genetics</i> , 2020 , 11, 404	4.5	10
229	The Human Oral Microbiome in Health and Disease: From Sequences to Ecosystems. <i>Microorganisms</i> , 2020 , 8,	4.9	94
228	Soybean aphid biotype 1 genome: Insights into the invasive biology and adaptive evolution of a major agricultural pest. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 120, 103334	4.5	8

227	Gene gain and loss across the metazoan tree of life. <i>Nature Ecology and Evolution</i> , 2020 , 4, 524-533	12.3	34
226	MetaPhOrs 2.0: integrative, phylogeny-based inference of orthology and paralogy across the tree of life. <i>Nucleic Acids Research</i> , 2020 , 48, W553-W557	20.1	9
225	Molecular Typing of <i>Candida glabrata</i> . <i>Mycopathologia</i> , 2020 , 185, 755-764	2.9	8
224	Oral microbiome in down syndrome and its implications on oral health. <i>Journal of Oral Microbiology</i> , 2020 , 13, 1865690	6.3	9
223	Phylogenomics Identifies an Ancestral Burst of Gene Duplications Predating the Diversification of Aphidomorpha. <i>Molecular Biology and Evolution</i> , 2020 , 37, 730-756	8.3	8
222	Transposons played a major role in the diversification between the closely related almond and peach genomes: results from the almond genome sequence. <i>Plant Journal</i> , 2020 , 101, 455-472	6.9	33
221	HaploTypo: a variant-calling pipeline for phased genomes. <i>Bioinformatics</i> , 2020 , 36, 2569-2571	7.2	6
220	Parental origin of the allotetraploid tobacco <i>Nicotiana benthamiana</i> . <i>Plant Journal</i> , 2020 , 102, 541-554	6.9	9
219	Phenotypic Variability in a Coinfection With Three Independent Lineages. <i>Frontiers in Microbiology</i> , 2020 , 11, 1994	5.7	5
218	Target Enrichment Enables the Discovery of lncRNAs with Somatic Mutations or Altered Expression in Paraffin-Embedded Colorectal Cancer Samples. <i>Cancers</i> , 2020 , 12,	6.6	1
217	Hybridization and the origin of new yeast lineages. <i>FEMS Yeast Research</i> , 2020 , 20,	3.1	17
216	Massive gene presence-absence variation shapes an open pan-genome in the Mediterranean mussel. <i>Genome Biology</i> , 2020 , 21, 275	18.3	42
215	The genome sequence of the grape phylloxera provides insights into the evolution, adaptation, and invasion routes of an iconic pest. <i>BMC Biology</i> , 2020 , 18, 90	7.3	19
214	Discovery of EMRE in fungi resolves the true evolutionary history of the mitochondrial calcium uniporter. <i>Nature Communications</i> , 2020 , 11, 4031	17.4	9
213	Triazole Evolution of <i>Candida parapsilosis</i> Results in Cross-Resistance to Other Antifungal Drugs, Influences Stress Responses, and Alters Virulence in an Antifungal Drug-Dependent Manner. <i>MSphere</i> , 2020 , 5,	5	7
212	Genomic evidence for recurrent genetic admixture during the domestication of Mediterranean olive trees (<i>Olea europaea</i> L.). <i>BMC Biology</i> , 2020 , 18, 148	7.3	14
211	Patterns and impacts of nonvertical evolution in eukaryotes: a paradigm shift. <i>Annals of the New York Academy of Sciences</i> , 2020 , 1476, 78-92	6.5	5
210	Elevated Vacuolar Uptake of Fluorescently Labeled Antifungal Drug Caspofungin Predicts Echinocandin Resistance in Pathogenic Yeast. <i>ACS Central Science</i> , 2020 , 6, 1698-1712	16.8	8

209	The Quiet and Underappreciated Rise of Drug-Resistant Invasive Fungal Pathogens. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020 , 6,	5.6	35
208	Grand Challenges in Fungal Genomics and Evolution. <i>Frontiers in Fungal Biology</i> , 2020 , 1,	0.3	1
207	CROSSMAPPER: estimating cross-mapping rates and optimizing experimental design in multi-species sequencing studies. <i>Bioinformatics</i> , 2020 , 36, 925-927	7.2	5
206	Fungal evolution: cellular, genomic and metabolic complexity. <i>Biological Reviews</i> , 2020 , 95, 1198-1232	13.5	27
205	Evolutionary and functional patterns of shared gene neighbourhood in fungi. <i>Nature Microbiology</i> , 2019 , 4, 2383-2392	26.6	14
204	Impact of Homologous Recombination on the Evolution of Prokaryotic Core Genomes. <i>MBio</i> , 2019 , 10,	7.8	29
203	Transcriptomic analyses reveal groups of co-expressed, syntenic lncRNAs in four species of the genus <i>Caenorhabditis</i> . <i>RNA Biology</i> , 2019 , 16, 320-329	4.8	9
202	Microbiome and colorectal cancer: Roles in carcinogenesis and clinical potential. <i>Molecular Aspects of Medicine</i> , 2019 , 69, 93-106	16.7	101
201	Skin microbiome modulation induced by probiotic solutions. <i>Microbiome</i> , 2019 , 7, 95	16.6	46
200	Recent trends in molecular diagnostics of yeast infections: from PCR to NGS. <i>FEMS Microbiology Reviews</i> , 2019 , 43, 517-547	15.1	45
199	Whole-Genome Sequencing of the Opportunistic Yeast Pathogen Uncovers Its Hybrid Origin. <i>Frontiers in Genetics</i> , 2019 , 10, 383	4.5	24
198	Fungal evolution: major ecological adaptations and evolutionary transitions. <i>Biological Reviews</i> , 2019 , 94, 1443-1476	13.5	82
197	Utilization of selenocysteine in early-branching fungal phyla. <i>Nature Microbiology</i> , 2019 , 4, 759-765	26.6	28
196	Commercial Formulates of Induce Systemic Plant Resistance to in Tomato and the Effect Is Additive to That of the Resistance Gene. <i>Frontiers in Microbiology</i> , 2019 , 10, 3042	5.7	18
195	Transcriptome Sequencing Approaches to Elucidate Host-Microbe Interactions in Opportunistic Human Fungal Pathogens. <i>Current Topics in Microbiology and Immunology</i> , 2019 , 422, 193-235	3.3	5
194	Genomes shed light on the secret life of <i>Candida glabrata</i> : not so asexual, not so commensal. <i>Current Genetics</i> , 2019 , 65, 93-98	2.9	32
193	Induces Plant-Dependent Systemic Resistance to. <i>Frontiers in Plant Science</i> , 2019 , 10, 945	6.2	28
192	Post-exercise hypotension and skeletal muscle oxygenation is regulated by nitrate-reducing activity of oral bacteria. <i>Free Radical Biology and Medicine</i> , 2019 , 143, 252-259	7.8	14

191	Fungal evolution: diversity, taxonomy and phylogeny of the Fungi. <i>Biological Reviews</i> , 2019 , 94, 2101-2137,5	37.5	99
190	A comprehensive genome variation map of melon identifies multiple domestication events and loci influencing agronomic traits. <i>Nature Genetics</i> , 2019 , 51, 1607-1615	36.3	59
189	Candida parapsilosis: from Genes to the Bedside. <i>Clinical Microbiology Reviews</i> , 2019 , 32,	34	93
188	Genome Comparisons of Serial Clinical Isolates Reveal Patterns of Genetic Variation in Infecting Clonal Populations. <i>Frontiers in Microbiology</i> , 2019 , 10, 112	5.7	19
187	Genome Assemblies of Two Rare Opportunistic Yeast Pathogens: (syn.) and (syn.). <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 3921-3927	3.2	4
186	Genome Sequencing and Transcriptome Analysis Reveal Recent Species-Specific Gene Duplications in the Plastic Gilthead Sea Bream (<i>Sparus aurata</i>). <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	7
185	Comparative Genomics and Transcriptomics To Analyze Fruiting Body Development in Filamentous Ascomycetes. <i>Genetics</i> , 2019 , 213, 1545-1563	4	5
184	Investigation of Candida parapsilosis virulence regulatory factors during host-pathogen interaction. <i>Scientific Reports</i> , 2018 , 8, 1346	4.9	17
183	Patterns of Genomic Variation in the Opportunistic Pathogen Candida glabrata Suggest the Existence of Mating and a Secondary Association with Humans. <i>Current Biology</i> , 2018 , 28, 15-27.e7	6.3	61
182	Misidentification of genome assemblies in public databases: The case of Naumovozyma dairenensis and proposal of a protocol to correct misidentifications. <i>Yeast</i> , 2018 , 35, 425-429	3.4	18
181	nextPARS: parallel probing of RNA structures in Illumina. <i>Rna</i> , 2018 , 24, 609-619	5.8	12
180	Eicosanoid biosynthesis influences the virulence of Candida parapsilosis. <i>Virulence</i> , 2018 , 9, 1019-1035	4.7	12
179	Phylogenomics of the olive tree (<i>Olea europaea</i>) reveals the relative contribution of ancient allo- and autopolyploidization events. <i>BMC Biology</i> , 2018 , 16, 15	7.3	17
178	Adaptation of <i>S. cerevisiae</i> to Fermented Food Environments Reveals Remarkable Genome Plasticity and the Footprints of Domestication. <i>Molecular Biology and Evolution</i> , 2018 , 35, 1712-1727	8.3	105
177	Genome Variation in the Model Halophilic Bacterium. <i>Frontiers in Microbiology</i> , 2018 , 9, 1499	5.7	7
176	Gene flow contributes to diversification of the major fungal pathogen <i>Candida albicans</i> . <i>Nature Communications</i> , 2018 , 9, 2253	17.4	80
175	Dating nodes in a phylogeny using inferred horizontal gene transfers. <i>Peer Community in Evolutionary Biology</i> , 2018 , 100037		
174	Characterization of ecologically diverse viruses infecting co-occurring strains of cosmopolitan hyperhalophilic Bacteroidetes. <i>ISME Journal</i> , 2018 , 12, 424-437	11.9	10

173	Hybridization and emergence of virulence in opportunistic human yeast pathogens. <i>Yeast</i> , 2018 , 35, 5-20	3.4	45
172	Genetically encodable bioluminescent system from fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12728-12732	11.5	77
171	Echinocandin-Induced Microevolution of <i>Candida parapsilosis</i> Influences Virulence and Abiotic Stress Tolerance. <i>MSphere</i> , 2018 , 3,	5	9
170	MICU1 Confers Protection from MCU-Dependent Manganese Toxicity. <i>Cell Reports</i> , 2018 , 25, 1425-1435	3.6	16
169	Citizen science charts two major "stomatotypes" in the oral microbiome of adolescents and reveals links with habits and drinking water composition. <i>Microbiome</i> , 2018 , 6, 218	16.6	41
168	Evolutionary Emergence of Drug Resistance in <i>Candida</i> Opportunistic Pathogens. <i>Genes</i> , 2018 , 9,	4.2	81
167	Relative timing of mitochondrial endosymbiosis and the "pre-mitochondrial symbioses" hypothesis. <i>IUBMB Life</i> , 2018 , 70, 1188-1196	4.7	20
166	Evolution of the Peroxisomal Proteome. <i>Sub-Cellular Biochemistry</i> , 2018 , 89, 221-233	5.5	7
165	Gearing up to handle the mosaic nature of life in the quest for orthologs. <i>Bioinformatics</i> , 2018 , 34, 323-329	3.9	25
164	Genome Sequence of the Brown Rot Fungal Pathogen <i>Monilinia laxa</i> . <i>Genome Announcements</i> , 2018 , 6,		13
163	Biological Processes Modulating Longevity across Primates: A Phylogenetic Genome-Phenome Analysis. <i>Molecular Biology and Evolution</i> , 2018 , 35, 1990-2004	8.3	42
162	Rapid transcriptional plasticity of duplicated gene clusters enables a clonally reproducing aphid to colonise diverse plant species. <i>Genome Biology</i> , 2017 , 18, 27	18.3	208
161	Lack of the PGA exopolysaccharide in <i>Salmonella</i> as an adaptive trait for survival in the host. <i>PLoS Genetics</i> , 2017 , 13, e1006816	6	13
160	Genome-wide signatures of complex introgression and adaptive evolution in the big cats. <i>Science Advances</i> , 2017 , 3, e1700299	14.3	67
159	Distinct roles of the polarity factors Boi1 and Boi2 in the control of exocytosis and abscission in budding yeast. <i>Molecular Biology of the Cell</i> , 2017 , 28, 3082-3094	3.5	11
158	Eukaryotic transporters for hydroxyderivatives of benzoic acid. <i>Scientific Reports</i> , 2017 , 7, 8998	4.9	6
157	Genomic history of the origin and domestication of common bean unveils its closest sister species. <i>Genome Biology</i> , 2017 , 18, 60	18.3	79
156	Phylogenomics: The Evolution of Common Bean as Seen from the Perspective of All of Its Genes. <i>Compendium of Plant Genomes</i> , 2017 , 263-287	0.8	

155	Regulatory Mechanisms of a Highly Pectinolytic Mutant of and Functional Analysis of a Candidate Gene in the Plant Pathogen. <i>Frontiers in Microbiology</i> , 2017 , 8, 1627	5.7	1
154	Lokiarchaeota Marks the Transition between the Archaeal and Eukaryotic Selenocysteine Encoding Systems. <i>Molecular Biology and Evolution</i> , 2016 , 33, 2441-53	8.3	31
153	High-Throughput Proteomics Reveals the Unicellular Roots of Animal Phosphosignaling and Cell Differentiation. <i>Developmental Cell</i> , 2016 , 39, 186-197	10.2	34
152	The Case of the Missing Ancient Fungal Polyploids. <i>American Naturalist</i> , 2016 , 188, 602-614	3.7	23
151	ArthropodaCyc: a CycADS powered collection of BioCyc databases to analyse and compare metabolism of arthropods. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016,	5	10
150	Mitochondrial Carriers Link the Catabolism of Hydroxyaromatic Compounds to the Central Metabolism in <i>Candida parapsilosis</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 4047-4058	3.2	5
149	Whole genome sequencing of turbot (<i>Scophthalmus maximus</i> ; Pleuronectiformes): a fish adapted to demersal life. <i>DNA Research</i> , 2016 , 23, 181-92	4.5	103
148	Horizontal acquisition of toxic alkaloid synthesis in a clade of plant associated fungi. <i>Fungal Genetics and Biology</i> , 2016 , 86, 71-80	3.9	21
147	Genome sequencing and secondary metabolism of the postharvest pathogen <i>Penicillium griseofulvum</i> . <i>BMC Genomics</i> , 2016 , 17, 19	4.5	54
146	Genome sequence of the olive tree, <i>Olea europaea</i> . <i>GigaScience</i> , 2016 , 5, 29	7.6	130
145	The birth of a deadly yeast: tracing the evolutionary emergence of virulence traits in <i>Candida glabrata</i> . <i>FEMS Yeast Research</i> , 2016 , 16, fov110	3.1	52
144	Contrasting Patterns of Evolutionary Diversification in the Olfactory Repertoires of Reptile and Bird Genomes. <i>Genome Biology and Evolution</i> , 2016 , 8, 470-80	3.9	13
143	Peroxisomes in parasitic protists. <i>Molecular and Biochemical Parasitology</i> , 2016 , 209, 35-45	1.9	39
142	Late acquisition of mitochondria by a host with chimaeric prokaryotic ancestry. <i>Nature</i> , 2016 , 531, 101-4	50.4	161
141	Long Non-Coding RNAs As Potential Novel Prognostic Biomarkers in Colorectal Cancer. <i>Frontiers in Genetics</i> , 2016 , 7, 54	4.5	52
140	Widespread Inter- and Intra-Domain Horizontal Gene Transfer of d-Amino Acid Metabolism Enzymes in Eukaryotes. <i>Frontiers in Microbiology</i> , 2016 , 7, 2001	5.7	14
139	Extreme genomic erosion after recurrent demographic bottlenecks in the highly endangered Iberian lynx. <i>Genome Biology</i> , 2016 , 17, 251	18.3	85
138	Secondary structure impacts patterns of selection in human lncRNAs. <i>BMC Biology</i> , 2016 , 14, 60	7.3	35

137	Standardized benchmarking in the quest for orthologs. <i>Nature Methods</i> , 2016 , 13, 425-30	21.6	133
136	Expansion of Signal Transduction Pathways in Fungi by Extensive Genome Duplication. <i>Current Biology</i> , 2016 , 26, 1577-1584	6.3	119
135	spongeScan: A web for detecting microRNA binding elements in lncRNA sequences. <i>Nucleic Acids Research</i> , 2016 , 44, W176-80	20.1	59
134	Genome and transcriptome analysis of the Mesoamerican common bean and the role of gene duplications in establishing tissue and temporal specialization of genes. <i>Genome Biology</i> , 2016 , 17, 32	18.3	124
133	Redundans: an assembly pipeline for highly heterozygous genomes. <i>Nucleic Acids Research</i> , 2016 , 44, e113	20.1	240
132	An expanded evaluation of protein function prediction methods shows an improvement in accuracy. <i>Genome Biology</i> , 2016 , 17, 184	18.3	218
131	Evolutionary genomics of yeast pathogens in the Saccharomycotina. <i>FEMS Yeast Research</i> , 2016 , 16,	3.1	56
130	Differential gene retention as an evolutionary mechanism to generate biodiversity and adaptation in yeasts. <i>Scientific Reports</i> , 2015 , 5, 11571	4.9	36
129	The <i>Solanum commersonii</i> Genome Sequence Provides Insights into Adaptation to Stress Conditions and Genome Evolution of Wild Potato Relatives. <i>Plant Cell</i> , 2015 , 27, 954-68	11.6	112
128	Metabolic gene clusters encoding the enzymes of two branches of the 3-oxoadipate pathway in the pathogenic yeast <i>Candida albicans</i> . <i>FEMS Yeast Research</i> , 2015 , 15,	3.1	15
127	Origin and evolution of metabolic sub-cellular compartmentalization in eukaryotes. <i>Biochimie</i> , 2015 , 119, 262-8	4.6	66
126	Sex and parasites: genomic and transcriptomic analysis of <i>Microbotryum lychnidis-dioicae</i> , the biotrophic and plant-castrating anther smut fungus. <i>BMC Genomics</i> , 2015 , 16, 461	4.5	44
125	Molecular signatures of plastic phenotypes in two eusocial insect species with simple societies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13970-5	11.5	127
124	Interactions between closely related bacterial strains are revealed by deep transcriptome sequencing. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 8445-56	4.8	21
123	Evolution of selenophosphate synthetases: emergence and relocation of function through independent duplications and recurrent subfunctionalization. <i>Genome Research</i> , 2015 , 25, 1256-67	9.7	39
122	Quest for Orthologs Entails Quest for Tree of Life: In Search of the Gene Stream. <i>Genome Biology and Evolution</i> , 2015 , 7, 1988-99	3.9	19
121	Genome, Transcriptome, and Functional Analyses of <i>Penicillium expansum</i> Provide New Insights Into Secondary Metabolism and Pathogenicity. <i>Molecular Plant-Microbe Interactions</i> , 2015 , 28, 232-48	3.6	140
120	The complete mitochondrial genome of the Giant Manta ray, <i>Manta birostris</i> . <i>Mitochondrial DNA</i> , 2015 , 26, 787-8		3

119	From community approaches to single-cell genomics: the discovery of ubiquitous hyperhalophilic Bacteroidetes generalists. <i>ISME Journal</i> , 2015 , 9, 16-31	11.9	37
118	Contrasting Genomic Diversity in Two Closely Related Postharvest Pathogens: <i>Penicillium digitatum</i> and <i>Penicillium expansum</i> . <i>Genome Biology and Evolution</i> , 2015 , 8, 218-27	3.9	31
117	The <i>Leishmania</i> metaphylome: a comprehensive survey of <i>Leishmania</i> protein phylogenetic relationships. <i>BMC Genomics</i> , 2015 , 16, 887	4.5	11
116	Origin, diversification and substrate specificity in the family of NCS1/FUR transporters. <i>Molecular Microbiology</i> , 2015 , 96, 927-50	4.1	39
115	Beyond the Whole-Genome Duplication: Phylogenetic Evidence for an Ancient Interspecies Hybridization in the Baker's Yeast Lineage. <i>PLoS Biology</i> , 2015 , 13, e1002220	9.7	186
114	The Genomic Aftermath of Hybridization in the Opportunistic Pathogen <i>Candida metapsilosis</i> . <i>PLoS Genetics</i> , 2015 , 11, e1005626	6	72
113	Synonymous mutations frequently act as driver mutations in human cancers. <i>Cell</i> , 2014 , 156, 1324-1335	56.2	369
112	The genome of the recently domesticated crop plant sugar beet (<i>Beta vulgaris</i>). <i>Nature</i> , 2014 , 505, 546-550	30.4	365
111	High variability of mitochondrial gene order among fungi. <i>Genome Biology and Evolution</i> , 2014 , 6, 451-653	9	134
110	Evolutionary considerations on the origin of peroxisomes from the endoplasmic reticulum, and their relationships with mitochondria. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 2379-82	10.3	13
109	PTP-central: a comprehensive resource of protein tyrosine phosphatases in eukaryotic genomes. <i>Methods</i> , 2014 , 65, 156-64	4.6	14
108	The complete genome of <i>Blastobotrys (Arxula) adenivorans</i> LS3 - a yeast of biotechnological interest. <i>Biotechnology for Biofuels</i> , 2014 , 7, 66	7.8	50
107	The genome of the generalist plant pathogen <i>Fusarium avenaceum</i> is enriched with genes involved in redox, signaling and secondary metabolism. <i>PLoS ONE</i> , 2014 , 9, e112703	3.7	51
106	Highly expressed captured genes and cross-kingdom domains present in Helitrons create novel diversity in <i>Pleurotus ostreatus</i> and other fungi. <i>BMC Genomics</i> , 2014 , 15, 1071	4.5	13
105	The first myriapod genome sequence reveals conservative arthropod gene content and genome organisation in the centipede <i>Strigamia maritima</i> . <i>PLoS Biology</i> , 2014 , 12, e1002005	9.7	182
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9	Taxon sampling unequally affects individual nodes in a phylogenetic tree: consequences for model gene tree construction in SwissTree	3
8	Functional characterization of clinical isolates of the opportunistic fungal pathogen <i>Aspergillus nidulans</i>	5
7	Genomic evidence for recurrent genetic admixture during domestication mediterranean olive trees (<i>Olea europaea</i>)	1
6	Changes in the stool and oropharyngeal microbiome in obsessive-compulsive disorder	2
5	Use of selenocysteine, the 21st amino acid, in the fungal kingdom	1
4	Evolclust: automated inference of evolutionary conserved gene clusters in eukaryotes	2
3	Massive gene presence/absence variation in the mussel genome as an adaptive strategy: first evidence of a pan-genome in Metazoa	11
2	Timing the origin of eukaryotic cellular complexity with ancient duplications	1
1	Patterns of genomic variation in the opportunistic pathogen <i>Candida glabrata</i> suggest the existence of mating and a secondary association to the human host	1