

# Barbara Montanini

## List of Publications by Citations

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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.

42  
papers

6,438  
citations

24  
h-index

45  
g-index

45  
ext. papers

7,530  
ext. citations

9.5  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
42	The genome of black cottonwood, <i>Populus trichocarpa</i> (Torr. & Gray). <i>Science</i> , <b>2006</b> , 313, 1596-604	33.3	3205
41	The genome of <i>Laccaria bicolor</i> provides insights into mycorrhizal symbiosis. <i>Nature</i> , <b>2008</b> , 452, 88-92	50.4	823
40	Perigord black truffle genome uncovers evolutionary origins and mechanisms of symbiosis. <i>Nature</i> , <b>2010</b> , 464, 1033-8	50.4	545
39	Phylogenetic and functional analysis of the Cation Diffusion Facilitator (CDF) family: improved signature and prediction of substrate specificity. <i>BMC Genomics</i> , <b>2007</b> , 8, 107	4.5	274
38	Eukaryotic snoRNAs: a paradigm for gene expression flexibility. <i>Genomics</i> , <b>2009</b> , 94, 83-8	4.3	223
37	A secretory pathway-localized cation diffusion facilitator confers plant manganese tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 8532-7	11.5	202
36	Targeting mitochondrial dysfunction can restore antiviral activity of exhausted HBV-specific CD8 T cells in chronic hepatitis B. <i>Nature Medicine</i> , <b>2017</b> , 23, 327-336	50.5	162
35	The expanded family of ammonium transporters in the perennial poplar plant. <i>New Phytologist</i> , <b>2007</b> , 174, 137-150	9.8	140
34	In vivo targeting of de novo DNA methylation by histone modifications in yeast and mouse. <i>ELife</i> , <b>2015</b> , 4, e06205	8.9	107
33	Genome-wide analysis of plant metal transporters, with an emphasis on poplar. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 3763-84	10.3	93
32	A high-affinity ammonium transporter from the mycorrhizal ascomycete <i>Tuber borchii</i> . <i>Fungal Genetics and Biology</i> , <b>2002</b> , 36, 22-34	3.9	56
31	Pezizomycetes genomes reveal the molecular basis of ectomycorrhizal truffle lifestyle. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1956-1965	12.3	52
30	Non-exhaustive DNA methylation-mediated transposon silencing in the black truffle genome, a complex fungal genome with massive repeat element content. <i>Genome Biology</i> , <b>2014</b> , 15, 411	18.3	47
29	Transcriptomic analysis of human polarized macrophages: more than one role of alternative activation?. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119751	3.7	46
28	Structure-function analysis of a CVNH-LysM lectin expressed during plant infection by the rice blast fungus <i>Magnaporthe oryzae</i> . <i>Structure</i> , <b>2011</b> , 19, 662-74	5.2	41
27	Functional properties and differential mode of regulation of the nitrate transporter from a plant symbiotic ascomycete. <i>Biochemical Journal</i> , <b>2006</b> , 394, 125-34	3.8	40
26	The anti-HIV cyanovirin-N domain is evolutionarily conserved and occurs as a protein module in eukaryotes. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2005</b> , 60, 670-8	4.2	40

25	Distinctive properties and expression profiles of glutamine synthetase from a plant symbiotic fungus. <i>Biochemical Journal</i> , <b>2003</b> , 373, 357-68	3.8	39
24	Ability of Bifidobacterium breve to grow on different types of milk: exploring the metabolism of milk through genome analysis. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 7408-17	4.8	38
23	A metaproteomic approach dissecting major bacterial functions in the rhizosphere of plants living in serpentine soil. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 2327-2339	4.4	34
22	Genome-wide search and functional identification of transcription factors in the mycorrhizal fungus Tuber melanosporum. <i>New Phytologist</i> , <b>2011</b> , 189, 736-750	9.8	29
21	Transcript profiling reveals novel marker genes involved in fruiting body formation in Tuber borchii. <i>Eukaryotic Cell</i> , <b>2005</b> , 4, 1599-602		27
20	Global genome transcription profiling of Bifidobacterium bifidum PRL2010 under in vitro conditions and identification of reference genes for quantitative real-time PCR. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 8578-87	4.8	24
19	Targeting p53 and histone methyltransferases restores exhausted CD8+ T cells in HCV infection. <i>Nature Communications</i> , <b>2020</b> , 11, 604	17.4	24
18	Gene expression profiling of the nitrogen starvation stress response in the mycorrhizal ascomycete Tuber borchii. <i>Fungal Genetics and Biology</i> , <b>2006</b> , 43, 630-41	3.9	20
17	A threonine synthase homolog from a mammalian genome. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 350, 922-8	3.4	15
16	A comprehensive resource of genomic, epigenomic and transcriptomic sequencing data for the black truffle Tuber melanosporum. <i>GigaScience</i> , <b>2014</b> , 3, 25	7.6	10
15	Biostimulants applied to maize seeds modulate the enzymatic activity and metaproteome of the rhizosphere. <i>Applied Soil Ecology</i> , <b>2020</b> , 148, 103480	5	10
14	Screening for Protein-Protein Interaction Inhibitors Using a Bioluminescence Resonance Energy Transfer (BRET)-Based Assay in Yeast. <i>SLAS Discovery</i> , <b>2017</b> , 22, 751-759	3.4	8
13	Integrative gene transfer in the truffle Tuber borchii by Agrobacterium tumefaciens-mediated transformation. <i>AMB Express</i> , <b>2014</b> , 4, 43	4.1	8
12	Tapping genomics to unravel ectomycorrhizal symbiosis. <i>Methods in Molecular Biology</i> , <b>2011</b> , 722, 249-81	11.4	8
11	New Antimicrobials Targeting Bacterial RNA Polymerase Holoenzyme Assembly Identified with an BRET-Based Discovery Platform. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1727-1736	4.9	7
10	Identification of an early transcriptomic signature of insulin resistance and related diseases in lymphomonocytes of healthy subjects. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182559	3.7	6
9	RNA Modulates the Expression of Cell Cycle Genes in Human Fibroblasts. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6
8	Identification and first characterization of DinJ-YafQ toxin-antitoxin systems in Lactobacillus species of biotechnological interest. <i>Scientific Reports</i> , <b>2019</b> , 9, 7645	4.9	5

7	Virus-Mediated Metalloproteinase 1 Induction Revealed by Transcriptome Profiling of Bovine Herpesvirus 4-Infected Bovine Endometrial Stromal Cells. <i>Biology of Reproduction</i> , <b>2016</b> , 95, 12	3.9	5
6	Dry and wet approaches for genome-wide functional annotation of conventional and unconventional transcriptional activators. <i>Computational and Structural Biotechnology Journal</i> , <b>2016</b> , 14, 262-70	6.8	5
5	Moonlighting transcriptional activation function of a fungal sulfur metabolism enzyme. <i>Scientific Reports</i> , <b>2016</b> , 6, 25165	4.9	4
4	Photoreceptors in the dark: A functional white collar-like complex and other putative light-sensing components encoded by the genome of the subterranean fungus <i>Tuber melanosporum</i> . <i>Fungal Biology</i> , <b>2017</b> , 121, 253-263	2.8	3
3	A family of archaea-like carboxylesterases preferentially expressed in the symbiotic phase of the mycorrhizal fungus <i>Tuber melanosporum</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 7628	4.9	3
2	Expression of DinJ-YafQ System of Group Strains in Response to Food Processing Stresses. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	2
1	Interpreting and integrating big data in non-coding RNA research. <i>Emerging Topics in Life Sciences</i> , <b>2019</b> , 3, 343-355	3.5	1