

Barbara Montanini

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.

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	Targeting p53 and histone methyltransferases restores exhausted CD8+ T cells in HCV infection. <i>Nature Communications</i> , 2020 , 11, 604	17.4	24
41	Biostimulants applied to maize seeds modulate the enzymatic activity and metaproteome of the rhizosphere. <i>Applied Soil Ecology</i> , 2020 , 148, 103480	5	10
40	Identification and first characterization of DinJ-YafQ toxin-antitoxin systems in <i>Lactobacillus</i> species of biotechnological interest. <i>Scientific Reports</i> , 2019 , 9, 7645	4.9	5
39	New Antimicrobials Targeting Bacterial RNA Polymerase Holoenzyme Assembly Identified with an BRET-Based Discovery Platform. <i>ACS Chemical Biology</i> , 2019 , 14, 1727-1736	4.9	7
38	RNA Modulates the Expression of Cell Cycle Genes in Human Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
37	Expression of DinJ-YafQ System of Group Strains in Response to Food Processing Stresses. <i>Microorganisms</i> , 2019 , 7,	4.9	2
36	Interpreting and integrating big data in non-coding RNA research. <i>Emerging Topics in Life Sciences</i> , 2019 , 3, 343-355	3.5	1
35	Pezizomycetes genomes reveal the molecular basis of ectomycorrhizal truffle lifestyle. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1956-1965	12.3	52
34	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> , 2017 , 121, 253-263	2.8	3
33	A metaproteomic approach dissecting major bacterial functions in the rhizosphere of plants living in serpentine soil. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2327-2339	4.4	34
32	Targeting mitochondrial dysfunction can restore antiviral activity of exhausted HBV-specific CD8 T cells in chronic hepatitis B. <i>Nature Medicine</i> , 2017 , 23, 327-336	50.5	162
31	Screening for Protein-Protein Interaction Inhibitors Using a Bioluminescence Resonance Energy Transfer (BRET)-Based Assay in Yeast. <i>SLAS Discovery</i> , 2017 , 22, 751-759	3.4	8
30	Identification of an early transcriptomic signature of insulin resistance and related diseases in lymphomonocytes of healthy subjects. <i>PLoS ONE</i> , 2017 , 12, e0182559	3.7	6
29	A family of archaea-like carboxylesterases preferentially expressed in the symbiotic phase of the mycorrhizal fungus <i>Tuber melanosporum</i> . <i>Scientific Reports</i> , 2017 , 7, 7628	4.9	3
28	Moonlighting transcriptional activation function of a fungal sulfur metabolism enzyme. <i>Scientific Reports</i> , 2016 , 6, 25165	4.9	4
27	Virus-Mediated Metalloproteinase 1 Induction Revealed by Transcriptome Profiling of Bovine Herpesvirus 4-Infected Bovine Endometrial Stromal Cells. <i>Biology of Reproduction</i> , 2016 , 95, 12	3.9	5
26	Dry and wet approaches for genome-wide functional annotation of conventional and unconventional transcriptional activators. <i>Computational and Structural Biotechnology Journal</i> , 2016 , 14, 262-70	6.8	5

25	Transcriptomic analysis of human polarized macrophages: more than one role of alternative activation?. <i>PLoS ONE</i> , 2015 , 10, e0119751	3.7	46
24	In vivo targeting of de novo DNA methylation by histone modifications in yeast and mouse. <i>ELife</i> , 2015 , 4, e06205	8.9	107
23	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> , 2014 , 15, 411	18.3	47
22	Integrative gene transfer in the truffle <i>Tuber borchii</i> by <i>Agrobacterium tumefaciens</i> -mediated transformation. <i>AMB Express</i> , 2014 , 4, 43	4.1	8
21	A comprehensive resource of genomic, epigenomic and transcriptomic sequencing data for the black truffle <i>Tuber melanosporum</i> . <i>GigaScience</i> , 2014 , 3, 25	7.6	10
20	Tapping genomics to unravel ectomycorrhizal symbiosis. <i>Methods in Molecular Biology</i> , 2011 , 722, 249-814	11.4	8
19	Genome-wide search and functional identification of transcription factors in the mycorrhizal fungus <i>Tuber melanosporum</i> . <i>New Phytologist</i> , 2011 , 189, 736-750	9.8	29
18	Structure-function analysis of a CVNH-LysM lectin expressed during plant infection by the rice blast fungus <i>Magnaporthe oryzae</i> . <i>Structure</i> , 2011 , 19, 662-74	5.2	41
17	Global genome transcription profiling of <i>Bifidobacterium bifidum</i> PRL2010 under in vitro conditions and identification of reference genes for quantitative real-time PCR. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 8578-87	4.8	24
16	Ability of <i>Bifidobacterium breve</i> to grow on different types of milk: exploring the metabolism of milk through genome analysis. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 7408-17	4.8	38
15	Perigord black truffle genome uncovers evolutionary origins and mechanisms of symbiosis. <i>Nature</i> , 2010 , 464, 1033-8	50.4	545
14	Genome-wide analysis of plant metal transporters, with an emphasis on poplar. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 3763-84	10.3	93
13	Eukaryotic snoRNAs: a paradigm for gene expression flexibility. <i>Genomics</i> , 2009 , 94, 83-8	4.3	223
12	The genome of <i>Laccaria bicolor</i> provides insights into mycorrhizal symbiosis. <i>Nature</i> , 2008 , 452, 88-92	50.4	823
11	The expanded family of ammonium transporters in the perennial poplar plant. <i>New Phytologist</i> , 2007 , 174, 137-150	9.8	140
10	Phylogenetic and functional analysis of the Cation Diffusion Facilitator (CDF) family: improved signature and prediction of substrate specificity. <i>BMC Genomics</i> , 2007 , 8, 107	4.5	274
9	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> , 2007 , 104, 8532-7	11.5	202
8	Gene expression profiling of the nitrogen starvation stress response in the mycorrhizal ascomycete <i>Tuber borchii</i> . <i>Fungal Genetics and Biology</i> , 2006 , 43, 630-41	3.9	20

7	A threonine synthase homolog from a mammalian genome. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 350, 922-8	3.4	15
6	Functional properties and differential mode of regulation of the nitrate transporter from a plant symbiotic ascomycete. <i>Biochemical Journal</i> , 2006 , 394, 125-34	3.8	40
5	The genome of black cottonwood, <i>Populus trichocarpa</i> (Torr. & Gray). <i>Science</i> , 2006 , 313, 1596-604	33.3	3205
4	The anti-HIV cyanovirin-N domain is evolutionarily conserved and occurs as a protein module in eukaryotes. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005 , 60, 670-8	4.2	40
3	Transcript profiling reveals novel marker genes involved in fruiting body formation in <i>Tuber borchii</i> . <i>Eukaryotic Cell</i> , 2005 , 4, 1599-602		27
2	Distinctive properties and expression profiles of glutamine synthetase from a plant symbiotic fungus. <i>Biochemical Journal</i> , 2003 , 373, 357-68	3.8	39
1	A high-affinity ammonium transporter from the mycorrhizal ascomycete <i>Tuber borchii</i> . <i>Fungal Genetics and Biology</i> , 2002 , 36, 22-34	3.9	56