

# Marco Pagni

## List of Publications by Citations

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77  
papers

6,563  
citations

32  
h-index

81  
g-index

83  
ext. papers

7,582  
ext. citations

8.7  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
77	The PROSITE database, its status in 2002. <i>Nucleic Acids Research</i> , <b>2002</b> , 30, 235-8	20.1	787
76	PROSITE: a documented database using patterns and profiles as motif descriptors. <i>Briefings in Bioinformatics</i> , <b>2002</b> , 3, 265-74	13.4	676
75	The PROSITE database. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, D227-30	20.1	649
74	The InterPro Database, 2003 brings increased coverage and new features. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 315-8	20.1	556
73	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> , <b>2013</b> , 110, 20117-22	11.5	499
72	A downstream mediator in the growth repression limb of the jasmonate pathway. <i>Plant Cell</i> , <b>2007</b> , 19, 2470-83	11.6	491
71	InterPro, progress and status in 2005. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, D201-5	20.1	426
70	Methylobacterium genome sequences: a reference blueprint to investigate microbial metabolism of C1 compounds from natural and industrial sources. <i>PLoS ONE</i> , <b>2009</b> , 4, e5584	3.7	172
69	PDB_REDO: automated re-refinement of X-ray structure models in the PDB. <i>Journal of Applied Crystallography</i> , <b>2009</b> , 42, 376-384	3.8	157
68	MyHits: improvements to an interactive resource for analyzing protein sequences. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, W433-7	20.1	153
67	InterPro: an integrated documentation resource for protein families, domains and functional sites. <i>Briefings in Bioinformatics</i> , <b>2002</b> , 3, 225-35	13.4	137
66	MetaNetX/MNXref--reconciliation of metabolites and biochemical reactions to bring together genome-scale metabolic networks. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, D523-6	20.1	116
65	The elusive roles of bacterial glutathione S-transferases: new lessons from genomes. <i>Applied Microbiology and Biotechnology</i> , <b>2002</b> , 58, 138-46	5.7	114
64	Automated annotation of microbial proteomes in SWISS-PROT. <i>Computational Biology and Chemistry</i> , <b>2003</b> , 27, 49-58	3.6	112
63	Bacillus subtilis 168 gene lytF encodes a gamma-D-glutamate-meso-diaminopimelate muropeptidase expressed by the alternative vegetative sigma factor, sigmaD. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 1), 57-65	2.9	99
62	Soil fungal communities of grasslands are environmentally structured at a regional scale in the Alps. <i>Molecular Ecology</i> , <b>2014</b> , 23, 4274-90	5.7	85
61	De novo assembly of the Pneumocystis jirovecii genome from a single bronchoalveolar lavage fluid specimen from a patient. <i>MBio</i> , <b>2012</b> , 4, e00428-12	7.8	76

60	MyHits: a new interactive resource for protein annotation and domain identification. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, W332-5	20.1	76
59	Low number of fixed somatic mutations in a long-lived oak tree. <i>Nature Plants</i> , <b>2017</b> , 3, 926-929	11.5	74
58	MetaNetX.org: a website and repository for accessing, analysing and manipulating metabolic networks. <i>Bioinformatics</i> , <b>2013</b> , 29, 815-6	7.2	73
57	Teichuronic acid operon of <i>Bacillus subtilis</i> 168. <i>Molecular Microbiology</i> , <b>1999</b> , 31, 795-805	4.1	66
56	Genome sequencing of the plant pathogen <i>Taphrina deformans</i> , the causal agent of peach leaf curl. <i>MBio</i> , <b>2013</b> , 4, e00055-13	7.8	58
55	The salivary microbiome for differentiating individuals: proof of principle. <i>Microbes and Infection</i> , <b>2016</b> , 18, 399-405	9.3	52
54	Reconciliation of metabolites and biochemical reactions for metabolic networks. <i>Briefings in Bioinformatics</i> , <b>2014</b> , 15, 123-35	13.4	49
53	Organic substrate diffusibility governs microbial community composition, nutrient removal performance and kinetics of granulation of aerobic granular sludge. <i>Water Research X</i> , <b>2019</b> , 4, 100033	8.1	46
52	Updates in Rhea - an expert curated resource of biochemical reactions. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, D415-D418	20.1	46
51	RNA Enrichment Method for Quantitative Transcriptional Analysis of Pathogens In Vivo Applied to the Fungus <i>Candida albicans</i> . <i>MBio</i> , <b>2015</b> , 6, e00942-15	7.8	43
50	Population genomics reveals that within-fungus polymorphism is common and maintained in populations of the mycorrhizal fungus <i>Rhizophagus irregularis</i> . <i>ISME Journal</i> , <b>2016</b> , 10, 2514-26	11.9	41
49	The SIB Swiss Institute of Bioinformatics resources: focus on curated databases. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, D27-37	20.1	41
48	Comparative genomics suggests that the human pathogenic fungus <i>Pneumocystis jirovecii</i> acquired obligate biotrophy through gene loss. <i>Genome Biology and Evolution</i> , <b>2014</b> , 6, 1938-48	3.9	38
47	Comparative genomics suggests that the fungal pathogen <i>pneumocystis</i> is an obligate parasite scavenging amino acids from its host's lungs. <i>PLoS ONE</i> , <b>2010</b> , 5, e15152	3.7	38
46	Comparative genomics suggests primary homothallism of <i>Pneumocystis</i> species. <i>MBio</i> , <b>2015</b> , 6,	7.8	32
45	Making sense of score statistics for sequence alignments. <i>Briefings in Bioinformatics</i> , <b>2001</b> , 2, 51-67	13.4	32
44	Microbiota present in cystic fibrosis lungs as revealed by whole genome sequencing. <i>PLoS ONE</i> , <b>2014</b> , 9, e90934	3.7	31
43	Plant species distributions along environmental gradients: do belowground interactions with fungi matter?. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 500	6.2	29

42	A systems genetics resource and analysis of sleep regulation in the mouse. <i>PLoS Biology</i> , <b>2018</b> , 16, e2005750	5.7	26
41	MetaNetX/MNXref: unified namespace for metabolites and biochemical reactions in the context of metabolic models. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D570-D574	20.1	26
40	Persistence of in the Oral Mucosa Induces a Curbed Inflammatory Host Response That Is Independent of Immunosuppression. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 330	8.4	25
39	Vps13F links bacterial recognition and intracellular killing in Dictyostelium. <i>Cellular Microbiology</i> , <b>2017</b> , 19, e12722	3.9	23
38	RNA Sequencing-Based Genome Reannotation of the Dermatophyte and Characterization of Its Secretome and Whole Gene Expression Profile during Infection. <i>MSystems</i> , <b>2016</b> , 1,	7.6	23
37	Experience using web services for biological sequence analysis. <i>Briefings in Bioinformatics</i> , <b>2008</b> , 9, 493-504	5.4	22
36	Comparative Population Genomics Analysis of the Mammalian Fungal Pathogen. <i>MBio</i> , <b>2018</b> , 9,	7.8	19
35	Mechanisms of Surface Antigenic Variation in the Human Pathogenic Fungus. <i>MBio</i> , <b>2017</b> , 8,	7.8	19
34	JACOP: a simple and robust method for the automated classification of protein sequences with modular architecture. <i>BMC Bioinformatics</i> , <b>2005</b> , 6, 216	3.6	19
33	Complete genome sequence of the dog commensal and human pathogen <i>Capnocytophaga canimorsus</i> strain 5. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 5558-9	3.5	18
32	trEMBL, trEST and trGEN: databases of predicted protein sequences. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, D509-11	20.1	16
31	Density-based hierarchical clustering of pyro-sequences on a large scale--the case of fungal ITS1. <i>Bioinformatics</i> , <b>2013</b> , 29, 1268-74	7.2	14
30	Assay for UDPglucose 6-dehydrogenase in phosphate-starved cells: gene <i>tuaD</i> of <i>Bacillus subtilis</i> 168 encodes the UDPglucose 6-dehydrogenase involved in teichuronic acid synthesis. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 5), 1049-1053	2.9	13
29	Anti-adipogenic signals at the onset of obesity-related inflammation in white adipose tissue. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 227-247	10.3	12
28	pfsearchV3: a code acceleration and heuristic to search PROSITE profiles. <i>Bioinformatics</i> , <b>2013</b> , 29, 1215-7.2	7.2	10
27	Swiss EMBnet node web server. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 3782-3	20.1	10
26	HitKeeper, a generic software package for hit list management. <i>Source Code for Biology and Medicine</i> , <b>2007</b> , 2, 2	1.9	9
25	Grid Approach to Embarrassingly Parallel CPU-Intensive Bioinformatics Problems <b>2006</b> ,		9

24	Inferring gene expression networks with hubs using a degree weighted Lasso approach. <i>Bioinformatics</i> , <b>2019</b> , 35, 987-994	7.2	8
23	Investigating unexplained genetic variation and its expression in the arbuscular mycorrhizal fungus <i>Rhizophagus irregularis</i> : A comparison of whole genome and RAD sequencing data. <i>PLoS ONE</i> , <b>2019</b> , 14, e0226497	3.7	7
22	Condition-specific series of metabolic sub-networks and its application for gene set enrichment analysis. <i>Bioinformatics</i> , <b>2019</b> , 35, 2258-2266	7.2	7
21	Transcriptional Responses of Exposed to Different Classes of Bacteria. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 410	5.7	5
20	Identification and Functional Ascertainment of the <i>Pneumocystis jirovecii</i> Potential Drug Targets Gsc1 and Kre6 Involved in Glucan Synthesis. <i>Journal of Eukaryotic Microbiology</i> , <b>2017</b> , 64, 481-490	3.6	5
19	Low rate of somatic mutations in a long-lived oak tree <b>2017</b> ,		5
18	Identification of Anti- and Anti- Compounds With Potential Distinctive Structural Scaffolds From an HD-PBL Using Phenotypic Screens in Amoebae Host Models. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 266	5.7	4
17	Functional characterization of the <i>Pneumocystis jirovecii</i> potential drug targets dhfs and abz2 involved in folate biosynthesis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 2560-6	5.9	4
16	Predicting spatial patterns of soil bacteria under current and future environmental conditions. <i>ISME Journal</i> , <b>2021</b> , 15, 2547-2560	11.9	4
15	A new species of genus <i>Eulimnadia</i> Packard, 1874 (Branchiopoda: Spinicaudata: Limnadiidae) from India with an updated key for some Indian species. <i>Zootaxa</i> , <b>2018</b> , 4399, 341-350	0.5	4
14	The Microbe browser for comparative genomics. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, W296-9	20.1	3
13	Specific labeling of diaminopimelate: a radioassay for the determination of the peptidoglycan cross-linking index. <i>Analytical Biochemistry</i> , <b>1994</b> , 223, 208-11	3.1	3
12	<i>Dictyostelium discoideum</i> flotillin homologues are essential for phagocytosis and participate in plasma membrane recycling and lysosome biogenesis		3
11	Time-resolved RNA-seq profiling of the infection of <i>Dictyostelium discoideum</i> by <i>Mycobacterium marinum</i> reveals an integrated host response to damage and stress		3
10	Genetic and physical maps of the <i>Bacillus subtilis</i> chromosome. <i>Genetics</i> , <b>1999</b> , 151, 1239-44	4	3
9	Greater topoclimatic control of above- versus below-ground communities. <i>Global Change Biology</i> , <b>2020</b> , 26, 6715-6728	11.4	3
8	The relationship between kinetics of substrate-limited transitions and steady-state growth in continuous cultures of <i>Aquaspirillum autotrophicum</i> limited by pyruvate. <i>Antonie Van Leeuwenhoek</i> , <b>1995</b> , 68, 181-9	2.1	2
7	Vacuolins and myosin VII are required for phagocytic uptake and phagosomal membrane recycling in. <i>Journal of Cell Science</i> , <b>2020</b> , 133,	5.3	1

6	New genome assembly of the barn owl (). <i>Ecology and Evolution</i> , <b>2020</b> , 10, 2284-2298	2.8	1
5	A Multi-protocol Bioinformatics Web Service: Use SOAP, Take a REST or Go with HTML <b>2008</b> ,		1
4	Investigating unexplained genetic variation and its expression in the arbuscular mycorrhizal fungus <i>Rhizophagus irregularis</i>		1
3	A Preliminary Study on the Prediction of Human Protein Functions. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 334-343	0.9	1
2	Expression Pattern of the <i>Pneumocystis jirovecii</i> Major Surface Glycoprotein Superfamily in Patients with Pneumonia. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 310-318	7	1
1	<i>Candida albicans</i> commensalism in the oral mucosa is favoured by limited virulence and metabolic adaptation.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010012	7.6	1