

SÃ©bastien Monchy

List of Publications by Year in descending order

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42
papers

4,730
citations

218677

26
h-index

276875

41
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42
all docs

42
docs citations

42
times ranked

6357
citing authors

#	ARTICLE	IF	CITATIONS
1	The versatility and adaptation of bacteria from the genus <i>Stenotrophomonas</i> . <i>Nature Reviews Microbiology</i> , 2009, 7, 514-525.	28.6	641
2	Genome Survey and Characterization of Endophytic Bacteria Exhibiting a Beneficial Effect on Growth and Development of Poplar Trees. <i>Applied and Environmental Microbiology</i> , 2009, 75, 748-757.	3.1	524
3	<i>Ralstonia metallidurans</i> , a bacterium specifically adapted to toxic metals: towards a catalogue of metal-responsive genes. <i>FEMS Microbiology Reviews</i> , 2003, 27, 385-410.	8.6	386
4	The Airway Microbiota in Cystic Fibrosis: A Complex Fungal and Bacterial Communityâ€™ Implications for Therapeutic Management. <i>PLoS ONE</i> , 2012, 7, e36313.	2.5	312
5	Genome Sequence of the Plant Growth Promoting Endophytic Bacterium <i>Enterobacter</i> sp. 638. <i>PLoS Genetics</i> , 2010, 6, e1000943.	3.5	282
6	Comparative genomics and functional analysis of niche-specific adaptation in <i>Pseudomonas putida</i> . <i>FEMS Microbiology Reviews</i> , 2011, 35, 299-323.	8.6	281
7	The Complete Genome Sequence of <i>Cupriavidus metallidurans</i> Strain CH34, a Master Survivalist in Harsh and Anthropogenic Environments. <i>PLoS ONE</i> , 2010, 5, e10433.	2.5	275
8	Plasmids pMOL28 and pMOL30 of <i>Cupriavidus metallidurans</i> Are Specialized in the Maximal Viable Response to Heavy Metals. <i>Journal of Bacteriology</i> , 2007, 189, 7417-7425.	2.2	231
9	Exploring and quantifying fungal diversity in freshwater lake ecosystems using rDNA cloning/sequencing and SSU tag pyrosequencing. <i>Environmental Microbiology</i> , 2011, 13, 1433-1453.	3.8	161
10	Bioprospecting metagenomes: glycosyl hydrolases for converting biomass. <i>Biotechnology for Biofuels</i> , 2009, 2, 10.	6.2	146
11	Shifts in bacterial community composition associated with increased carbon cycling in a mosaic of phytoplankton blooms. <i>ISME Journal</i> , 2016, 10, 39-50.	9.8	136
12	Molecular Epidemiology of <i>Blastocystis</i> sp. in Various Animal Groups from Two French Zoos and Evaluation of Potential Zoonotic Risk. <i>PLoS ONE</i> , 2017, 12, e0169659.	2.5	135
13	Transcriptomic and proteomic analyses of the pMOL30-encoded copper resistance in <i>Cupriavidus metallidurans</i> strain CH34. <i>Microbiology (United Kingdom)</i> , 2006, 152, 1765-1776.	1.8	118
14	The Biphenyl- and 4-Chlorobiphenyl-Catabolic Transposon Tn4371, a Member of a New Family of Genomic Islands Related to IncP and Ti Plasmids. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4837-4845.	3.1	101
15	New mobile genetic elements in <i>Cupriavidus metallidurans</i> CH34, their possible roles and occurrence in other bacteria. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 205-226.	1.7	98
16	Poplar and its Bacterial Endophytes: Coexistence and Harmony. <i>Critical Reviews in Plant Sciences</i> , 2009, 28, 346-358.	5.7	97
17	Characterization of Ni-tolerant methylobacteria associated with the hyperaccumulating plant <i>Thlaspi goesingense</i> and description of <i>Methylobacterium goesingense</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 2006, 29, 634-644.	2.8	81
18	Lead(II) resistance in <i>Cupriavidus metallidurans</i> CH34: interplay between plasmid and chromosomally-located functions. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 171-182.	1.7	81

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19	Microplanktonic Community Structure in a Coastal System Relative to a Phaeocystis Bloom Inferred from Morphological and Tag Pyrosequencing Methods. PLoS ONE, 2012, 7, e39924.	2.5	68
20	Identification and quantification of plastic additives using pyrolysis-GC/MS: A review. Science of the Total Environment, 2021, 773, 145073.	8.0	63
21	Impacts of microplastics exposure on mussel (<i>Mytilus edulis</i>) gut microbiota. Science of the Total Environment, 2020, 745, 141018.	8.0	56
22	Seasonal variations of marine protist community structure based on taxon-specific traits using the eastern English Channel as a model coastal system. FEMS Microbiology Ecology, 2015, 91, .	2.7	53
23	ArsR arsenic-resistance regulatory protein from <i>Cupriavidus metallidurans</i> CH34. Antonie Van Leeuwenhoek, 2009, 96, 161-170.	1.7	46
24	Winterâ€“Summer Succession of Unicellular Eukaryotes in a Meso-eutrophic Coastal System. Microbial Ecology, 2014, 67, 13-23.	2.8	39
25	Global analysis of the <i>Ralstonia metallidurans</i> proteome: Prelude for the large-scale study of heavy metal response. Proteomics, 2004, 4, 151-179.	2.2	38
26	Size-fractionated diversity of eukaryotic microbial communities in the Eastern Tropical North Pacific oxygen minimum zone. FEMS Microbiology Ecology, 2015, 91, .	2.7	34
27	Small-scale variability of protistan planktonic communities relative to environmental pressures and biotic interactions at two adjacent coastal stations. Marine Ecology - Progress Series, 2016, 548, 61-75.	1.9	30
28	Protist community composition during early phytoplankton blooms in the naturally iron-fertilized Kerguelen area (Southern Ocean). Biogeosciences, 2014, 11, 5847-5863.	3.3	25
29	Major changes in the composition of a Southern Ocean bacterial community in response to diatom-derived dissolved organic matter. FEMS Microbiology Ecology, 2018, 94, .	2.7	25
30	Metal transport ATPase genes from <i>Cupriavidus metallidurans</i> CH34: a transcriptomic approach. International Journal of Environmental Analytical Chemistry, 2006, 86, 677-692.	3.3	24
31	Molecular diversity reveals previously undetected air-dispersed protist colonists in a Mediterranean area. Science of the Total Environment, 2014, 478, 70-79.	8.0	21
32	First Report on the Prevalence and Subtype Distribution of <i>Blastocystis</i> sp. in Edible Marine Fish and Marine Mammals: A Large Scale-Study Conducted in Atlantic Northeast and on the Coasts of Northern France. Microorganisms, 2020, 8, 460.	3.6	21
33	Megaplasmids in <i>Cupriavidus</i> Genus and Metal Resistance. Microbiology Monographs, 2009, , 209-238.	0.6	19
34	Microzooplankton community associated with phytoplankton blooms in the naturally iron-fertilized Kerguelen area (Southern Ocean). FEMS Microbiology Ecology, 2015, 91, .	2.7	18
35	Parasitic Eukaryotes in a Meso-Eutrophic Coastal System with Marked <i>Phaeocystis globosa</i> Blooms. Frontiers in Marine Science, 2017, 4, .	2.5	18
36	Diversity and potential activity patterns of planktonic eukaryotic microbes in a mesoeutrophic coastal area (eastern English Channel). PLoS ONE, 2018, 13, e0196987.	2.5	13

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37	Ontogenetic shift in the energy allocation strategy and physiological condition of larval plaice (<i>Pleuronectes platessa</i>). PLoS ONE, 2019, 14, e0222261.	2.5	12
38	Mussel biofiltration effects on attached bacteria and unicellular eukaryotes in fish-rearing seawater. PeerJ, 2016, 4, e1829.	2.0	6
39	Ontogenetic changes in the larval condition of Downs herring: use of a multi-index approach at an individual scale. Marine Biology, 2017, 164, 1.	1.5	6
40	Molecular Diversity Studies in Lake Pavin Reveal the Ecological Importance of Parasitic True Fungi in the Plankton. , 2016, , 329-343.		4
41	Marine microbial community structure assessed from combined metagenomic analysis and ribosomal amplicon deep-sequencing. Marine Biology Research, 2016, 12, 30-42.	0.7	3
42	A New Method for Microplastics Identification in Copepods. Frontiers in Environmental Chemistry, 2022, 3, .	1.6	2