Christian Jeanthon

List of Publications by Year
in descending order

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60 papers	3,431 citations	147801 31 h-index	155660 55 g-index
62 all docs	62 docs citations	62 times ranked	4277 citing authors

#	Article	IF	Citations
1	Petrimonas sulfuriphila gen. nov., sp. nov., a mesophilic fermentative bacterium isolated from a biodegraded oil reservoir. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1113-1121.	1.7	289
2	Microbial diversity in production waters of a low-temperature biodegraded oil reservoir. FEMS Microbiology Ecology, 2005, 54, 427-443.	2.7	250
3	The ocean sampling day consortium. GigaScience, 2015, 4, 27.	6.4	185
4	Radioisotopic, Culture-Based, and Oligonucleotide Microchip Analyses of Thermophilic Microbial Communities in a Continental High-Temperature Petroleum Reservoir. Applied and Environmental Microbiology, 2003, 69, 6143-6151.	3.1	160
5	Isolation from oil reservoirs of novel thermophilic anaerobes phylogenetically related to Thermoanaerobacter subterraneus: reassignment of T. subterraneus, Thermoanaerobacter yonseiensis, Thermoanaerobacter tengcongensis and Carboxydibrachium pacificum to Caldanaerobacter subterraneus gen. nov., sp. nov., comb. nov. as four novel subspecies. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 467-474.	1.7	142
6	Dissimilatory Reduction of Fe(III) by Thermophilic Bacteria and Archaea in Deep Subsurface Petroleum Reservoirs of Western Siberia. Current Microbiology, 1999, 39, 99-102.	2.2	137
7	Growth and Phylogenetic Properties of Novel Bacteria Belonging to the Epsilon Subdivision of the Proteobacteria Enriched from Alvinella pompejana and Deep-Sea Hydrothermal Vents. Applied and Environmental Microbiology, 2001, 67, 4566-4572.	3.1	137
8	The first evidence of anaerobic CO oxidation coupled with H2 production by a hyperthermophilic archaeon isolated from a deep-sea hydrothermal vent. Extremophiles, 2004, 8, 317-323.	2.3	118
9	Hyperthermophilic life at deep-sea hydrothermal vents. Planetary and Space Science, 1995, 43, 115-122.	1.7	109
10	Thermotoga subterranea sp. nov., a new thermophilic bacterium isolated from a continental oil reservoir. Archives of Microbiology, 1995, 164, 91-97.	2.2	106
11	Molecular ecology of hydrothermal vent microbial communities. , 2000, 77, 117-133.		106
12	Archaeal diversity associated with in situ samplers deployed on hydrothermal vents on the East Pacific Rise (13oN). Environmental Microbiology, 2003, 5, 492-502.	3.8	106
13	Dinomyces arenysensis gen. et sp. nov. (Rhizophydiales, Dinomycetaceae fam. nov.), a Chytrid Infecting Marine Dinoflagellates. Protist, 2014, 165, 230-244.	1.5	102
14	Diversity of Bacteria and Archaea associated with a carbonate-rich metalliferous sediment sample from the Rainbow vent field on the Mid-Atlantic Ridge. Environmental Microbiology, 2005, 7, 698-714.	3.8	100
15	Diversity of functional genes of methanogens, methanotrophs and sulfate reducers in deep-sea hydrothermal environments. Environmental Microbiology, 2005, 7, 118-132.	3.8	95
16	The manganese and iron superoxide dismutases protect Escherichia coli from heavy metal toxicity. Research in Microbiology, 2001, 152, 901-905.	2.1	93
17	Isolation and characterization of Thermococcus sibiricus sp. nov. from a Western Siberia high-temperature oil reservoir. Extremophiles, 2001, 5, 85-91.	2.3	91
18	Parvilucifera rostrata sp. nov. (Perkinsozoa), a Novel Parasitoid that Infects Planktonic Dinoflagellates. Protist, 2014, 165, 31-49.	1.5	69

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19	Evidence for the presence of thermophilic Fe(III)-reducing microorganisms in deep-sea hydrothermal vents at 13Ã‚Â°N (East Pacific Rise). FEMS Microbiology Ecology, 2001, 36, 235-243.	2.7	61
20	Susceptibility to Heavy Metals and Characterization of Heterotrophic Bacteria Isolated from Two Hydrothermal Vent Polychaete Annelids, Alvinella pompejana and Alvinella caudata. Applied and Environmental Microbiology, 1990, 56, 3308-3314.	3.1	60
21	Characterization of long-chain fatty-acid-degrading syntrophic associations from a biodegraded oil reservoir. Research in Microbiology, 2005, 156, 814-821.	2.1	59
22	The founding charter of the Genomic Observatories Network. GigaScience, 2014, 3, 2.	6.4	51
23	Novel uncultured Epsilonproteobacteria dominate a filamentous sulphur mat from the 13Ã‚Â°N hydrothermal vent field, East Pacific Rise. FEMS Microbiology Ecology, 2006, 58, 449-463.	2.7	49
24	Exploring the Cultivable Ectocarpus Microbiome. Frontiers in Microbiology, 2017, 8, 2456.	3.5	48
25	Numerical taxonomic study of thermophilic Bacillus isolated from three geographically separated deep-sea hydrothermal vents. FEMS Microbiology Ecology, 1996, 21, 255-266.	2.7	47
26	Cultivated anaerobic acidophilic/acidotolerant thermophiles from terrestrial and deep-sea hydrothermal habitats. Extremophiles, 2005, 9, 437-448.	2.3	46
27	MicRhoDE: a curated database for the analysis of microbial rhodopsin diversity and evolution. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav080.	3.0	43
28	Summer community structure of aerobic anoxygenic phototrophic bacteria in the western Arctic Ocean. FEMS Microbiology Ecology, 2013, 85, 417-432.	2.7	41
29	Summer distribution and diversity of aerobic anoxygenic phototrophic bacteria in the Mediterranean Sea in relation to environmental variables. FEMS Microbiology Ecology, 2010, 74, 397-409.	2.7	39
30	Evidence for parasite-mediated selection during short-lasting toxic algal blooms. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161870.	2.6	38
31	Rapid identification of hyperthermophilic methanococci isolated from deep-sea hydrothermal vents. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 591-594.	1.7	37
32	Seasonal variations of the composition of microbial biofilms in sandy tidal flats: Focus of fatty acids, pigments and exopolymers. Estuarine, Coastal and Shelf Science, 2015, 153, 29-37.	2.1	37
33	Susceptibility to Heavy Metals and Cadmium Accumulation in Aerobic and Anaerobic Thermophilic Microorganisms Isolated from Deep-Sea Hydrothermal Vents. Current Microbiology, 2000, 41, 201-205.	2.2	33
34	Bacterial Epibiotic Communities of Ubiquitous and Abundant Marine Diatoms Are Distinct in Short- and Long-Term Associations. Frontiers in Microbiology, 2018, 9, 2879.	3.5	33
35	Tools providing new insight into coastal anoxygenic purple bacterial mats: review and perspectives. Research in Microbiology, 2011, 162, 858-868.	2.1	31
36	Cryptic species in the parasitic Amoebophrya species complex revealed by a polyphasic approach. Scientific Reports, 2020, 10, 2531.	3.3	28

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37	Design of 16S rRNA-targeted oligonucleotide probes for detecting cultured and uncultured archaeal lineages in high-temperature environments. Environmental Microbiology, 2004, 6, 170-182.	3.8	20
38	Methanococcales. , 2006, , 257-273.		19
39	Biogeographic patterns of aerobic anoxygenic phototrophic bacteria reveal an ecological consistency of phylogenetic clades in different oceanic biomes. Scientific Reports, 2018, 8, 4105.	3.3	19
40	Uncultured Archaea in a hydrothermal microbial assemblage: phylogenetic diversity and characterization of a genome fragment from a euryarchaeote. FEMS Microbiology Ecology, 2006, 57, 452-469.	2.7	18
41	Hyperthermophilic and Methanogenic Archaea in Oil Fields. , 0, , 55-69.		14
42	Resistance to heavy metals of heterotrophic bacteria isolated from the deep-sea hydrothermal vent polychaete, Alvinella pompejana. Progress in Oceanography, 1990, 24, 81-88.	3.2	13
43	Paradoxical effects of temperature and solar irradiance on the photodegradation state of killed phytoplankton. Journal of Phycology, 2016, 52, 475-485.	2.3	13
44	Photosymbiosis in Marine Pelagic Environments. , 2016, , 305-332.		13
45	Silicimonas algicola gen. nov., sp. nov., a member of the Roseobacter clade isolated from the cell surface of the marine diatom Thalassiosira delicatula. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4580-4588.	1.7	13
46	Activity and Distribution of Thermophilic Prokaryotes in Hydrothermal Fluid, Sulfidic Structures, and Sheaths of Alvinellids (East Pacific Rise, 13Â°N). Applied and Environmental Microbiology, 2011, 77, 2803-2806.	3.1	12
47	Proliferation of Purple Sulphur Bacteria at the Sediment Surface Affects Intertidal Mat Diversity and Functionality. PLoS ONE, 2013, 8, e82329.	2.5	11
48	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. Earth System Science Data, 2021, 13, 1561-1592.	9.9	11
49	Thermophilic Lifestyle for an Uncultured Archaeon from Hydrothermal Vents: Evidence from Environmental Genomics. Applied and Environmental Microbiology, 2006, 72, 2268-2271.	3.1	10
50	Summer Abundance and Distribution of Proteorhodopsin Genes in the Western Arctic Ocean. Frontiers in Microbiology, 2016, 7, 1584.	3.5	10
51	Unexpectedly high bacteriochlorophyll a concentrations in neotropical tank bromeliads. Environmental Microbiology Reports, 2016, 8, 689-698.	2.4	10
52	Geographic Impact on Genomic Divergence as Revealed by Comparison of Nine Citromicrobial Genomes. Applied and Environmental Microbiology, 2016, 82, 7205-7216.	3.1	9
53	Importance of bacterivory and preferential selection toward diatoms in larvae of Crepidula fornicata (L.) assessed by a dual stable isotope (13C, 15N) labeling approach. Journal of Sea Research, 2012, 70, 23-31.	1.6	8
54	The hydrological context determines the beta-diversity of aerobic anoxygenic phototrophic bacteria in European Arctic seas but does not favor endemism. Frontiers in Microbiology, 2015, 6, 638.	3.5	6

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55	First report of vampyrellid predatorâ€“prey dynamics in a marine system. ISME Journal, 2019, 13, 1110-1113.	9.8	6
56	A Nanoscale Study of Carbon and Nitrogen Fluxes in Mats of Purple Sulfur Bacteria: Implications for Carbon Cycling at the Surface of Coastal Sediments. Frontiers in Microbiology, 2017, 8, 1995.	3.5	5
57	Assemblages of anoxygenic phototrophic bacteria in tank bromeliads exhibit a hostâ€specific signature. Journal of Ecology, 2021, 109, 2550-2565.	4.0	5
58	Deep-Sea Thermophilic Prokaryotes. , 2001, , 11-22.		4
59	Numerical taxonomic study of thermophilic Bacillus isolated from three geographically separated deep-sea hydrothermal vents. FEMS Microbiology Ecology, 1996, 21, 255-266.	2.7	3
60	Complete Genome Sequence of the Silicimonas algicola Type Strain, a Representative of the Marine Roseobacter Group Isolated from the Cell Surface of the Marine Diatom Thalassiosira delicatula. Microbiology Resource Announcements, 2019, 8, .	0.6	1