Fabien Joux

List of Publications by Year
in descending order

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60	3,465	182225	162838
papers	citations	30	57
		h-index	g-index

61	61	61	4719
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dissolved organic matter released by two marine heterotrophic bacterial strains and its bioavailability for natural prokaryotic communities. Environmental Microbiology, 2021, 23, 1363-1378.	1.8	16
2	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.	3.7	11
3	Use of organic exudates from two polar diatoms by bacterial isolates from the Arctic Ocean. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190356.	1.6	8
4	Contrasting pelagic ecosystem functioning in eastern and western Baffin Bay revealed by trophic network modeling. Elementa, 2020, 8, .	1.1	15
5	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. Earth System Science Data, 2020, 12, 151-176.	3.7	32
6	Photoreactivity of riverine and phytoplanktonic dissolved organic matter and its effects on the dynamics of a bacterial community from the coastal Mediterranean Sea. Progress in Oceanography, 2018, 163, 82-93.	1.5	5
7	Differential responses of bacteria to diatom-derived dissolved organic matter in the Arctic Ocean. Aquatic Microbial Ecology, 2018, 82, 59-72.	0.9	14
8	When riverine dissolved organic matter (DOM) meets labile DOM in coastal waters: changes in bacterial community activity and composition. Aquatic Sciences, 2017, 79, 27-43.	0.6	44
9	Dissolved Compounds Excreted by Copepods Reshape the Active Marine Bacterioplankton Community Composition. Frontiers in Marine Science, 2017, 4, .	1.2	26
10	Methods for Studying Microorganisms in the Environment. , 2015, , 757-829.		2
11	Changes in bacterial community metabolism and composition during the degradation of dissolved organic matter from the jellyfish Aurelia aurita in a Mediterranean coastal lagoon. Environmental Science and Pollution Research, 2015, 22, 13638-13653.	2.7	41
12	Genome Sequence of Maribius sp. Strain MOLA 401, a Marine Roseobacter with a Quorum-Sensing Cell-Dependent Physiology. Genome Announcements, 2014, 2, .	0.8	2
13	Response of marine bacterioplankton to a massive under-ice phytoplankton bloom in the Chukchi Sea (Western Arctic Ocean). Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 105, 74-84.	0.6	12
14	Ecosystem function and particle flux dynamics across the Mackenzie Shelf (Beaufort Sea, Arctic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 2833-2866.	1.3	42
15	A New, Sensitive Marine Microalgal Recombinant Biosensor Using Luminescence Monitoring for Toxicity Testing of Antifouling Biocides. Applied and Environmental Microbiology, 2013, 79, 631-638.	1.4	25
16	Modeling plankton ecosystem functioning and nitrogen fluxes in the oligotrophic waters of the Beaufort Sea, Arctic Ocean: a focus on light-driven processes. Biogeosciences, 2013, 10, 4785-4800.	1.3	23
17	Spatial variability of particle-attached and free-living bacterial diversity in surface waters from the Mackenzie River to the Beaufort Sea (Canadian Arctic). Biogeosciences, 2013, 10, 2747-2759.	1.3	110
18	Shotgun Redox Proteomics: Identification and Quantitation of Carbonylated Proteins in the UVB-Resistant Marine Bacterium, Photobacterium angustum S14. PLoS ONE, 2013, 8, e68112.	1.1	27

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19	Response to UVB radiation and oxidative stress of marine bacteria isolated from South Pacific Ocean and Mediterranean Sea. Journal of Photochemistry and Photobiology B: Biology, 2012, 117, 254-261.	1.7	25
20	Proteome Analysis of the UVB-Resistant Marine Bacterium Photobacterium angustum S14. PLoS ONE, 2012, 7, e42299.	1.1	23
21	Carbon fluxes in the Canadian Arctic: patterns and drivers of bacterial abundance, production and respiration on the Beaufort Sea margin. Biogeosciences, 2012, 9, 3679-3692.	1.3	55
22	Evidence of heterotrophic prokaryotic activity limitation by nitrogen in the Western Arctic Ocean during summer. Polar Biology, 2012, 35, 785-794.	0.5	26
23	Physiology of Marine Oligotrophic Ultramicrobacteria. , 2011, , 1179-1199.		6
24	Functioning of the planktonic ecosystem on the Gulf of Lions shelf (NW Mediterranean) during spring and its impact on the carbon deposition: a field data and 3-D modelling combined approach. Biogeosciences, 2011, 8, 3231-3261.	1.3	42
25	Marine ecosystemsâ€™ responses to climatic and anthropogenic forcings in the Mediterranean. Progress in Oceanography, 2011, 91, 97-166.	1.5	385
26	Influence of water mixing on the inhibitory effect of UV radiation on primary and bacterial production in Mediterranean coastal water. Aquatic Sciences, 2011, 73, 377-387.	0.6	30
27	The effects of solar radiation on the stability of3H-thymidine and3H-leucine during bacterioplankton production measurements. Limnology and Oceanography: Methods, 2010, 8, 562-566.	1.0	3
28	Comparative study of UV and visible light induced degradation of lipids in non-axenic senescent cells of Emiliania huxleyi. Marine Chemistry, 2010, 119, 139-152.	0.9	27
29	Influence of growth temperature and starvation state on survival and DNA damage induction in the marine bacterium Sphingopyxis alaskensis exposed to UV radiation. Journal of Photochemistry and Photobiology B: Biology, 2010, 100, 51-56.	1.7	10
30	The response of the marine bacterium Sphingopyxis alaskensis to solar radiation assessed by quantitative proteomics. Environmental Microbiology, 2009, 11, 2660-2675.	1.8	41
31	Sunlightâ€induced DNA Damage in Marine Microâ€organisms Collected Along a Latitudinal Gradient from 70Â°N to 68Â°S. Photochemistry and Photobiology, 2009, 85, 412-420.	1.3	31
32	Ultraviolet Radiation in the RhÃ´ne River Lenses of Low Salinity and in Marine Waters of the Northwestern Mediterranean Sea: Attenuation and Effects on Bacterial Activities and Net Community Production. Photochemistry and Photobiology, 2009, 85, 783-793.	1.3	24
33	Contrasting effects of solar radiation and nitrates on the bioavailability of dissolved organic matter to marine bacteria. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 201, 243-247.	2.0	14
34	Remarkable resistance to UVB of the marine bacterium Photobacterium angustum explained by an unexpected role of photolyase. Photochemical and Photobiological Sciences, 2009, 8, 1313-1320.	1.6	19
35	Community structure and trophic role of ciliates and heterotrophic nanoflagellates in Rhone River diluted mesoscale structures (NW Mediterranean Sea). Aquatic Microbial Ecology, 2009, 57, 263-277.	0.9	26
36	Effects of Photochemical Transformations of Dissolved Organic Matter on Bacterial Metabolism and Diversity in Three Contrasting Coastal Sites in the Northwestern Mediterranean Sea during Summer. Microbial Ecology, 2008, 55, 344-357.	1.4	46

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37	Physiological Alteration of the Marine Bacterium Vibrio angustum S14 Exposed to Simulated Sunlight During Growth. Current Microbiology, 2008, 57, 412-417.	1.0	18
38	Effect of natural iron fertilisation on the distribution of DMS and DMSP in the Indian sector of the Southern Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 893-900.	0.6	15
39	Effect of the GC content of DNA on the distribution of UVB-induced bipyrimidine photoproducts. Photochemical and Photobiological Sciences, 2008, 7, 794-801.	1.6	55
40	Effect of solar ultraviolet radiation on bacterio- and phytoplankton activity in a large coral reef lagoon (southwest New Caledonia). Aquatic Microbial Ecology, 2008, 52, 83-98.	0.9	40
41	Photodegradation of sulcotrione in various aquatic environments and toxicity of its photoproducts for some marine micro-organisms. Water Research, 2007, 41, 1781-1789.	5.3	52
42	Hydroxyl radical-induced photochemical formation of dicarboxylic acids from unsaturated fatty acid (oleic acid) in aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 135-139.	2.0	45
43	Succession of cellular states in a Salmonella typhimurium population during starvation in artificial seawater microcosms. FEMS Microbiology Ecology, 2006, 22, 65-76.	1.3	90
44	Microbial community structure in the sea surface microlayer at two contrasting coastal sites in the northwestern Mediterranean Sea. Aquatic Microbial Ecology, 2006, 42, 91-104.	0.9	87
45	Impact of phytoplankton and bacterial production on nutrient and DOM uptake in the RhÃ´ne River plume (NW Mediterranean). Marine Ecology - Progress Series, 2006, 315, 43-54.	0.9	29
46	A survey on bacteria inhabiting the sea surface microlayer of coastal ecosystems. FEMS Microbiology Ecology, 2005, 54, 269-280.	1.3	133
47	Resistance of Marine Bacterioneuston to Solar Radiation. Applied and Environmental Microbiology, 2005, 71, 5282-5289.	1.4	137
48	Microbial diversity in a Pacific Ocean transect from the Arctic to Antarctic circles. Aquatic Microbial Ecology, 2005, 41, 91-102.	0.9	53
49	Comparison of samplers for the biological characterization of the sea surface microlayer. Limnology and Oceanography: Methods, 2004, 2, 213-225.	1.0	101
50	The effects of a strong winter storm on physical and biological variables at a shelf site in the Mediterranean. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2003, 26, 407-419.	0.7	60
51	Are the actively respiring cells (CTC+) those responsible for bacterial production in aquatic environments?. FEMS Microbiology Ecology, 2001, 35, 171-179.	1.3	57
52	Does the High Nucleic Acid Content of Individual Bacterial Cells Allow Us To Discriminate between Active Cells and Inactive Cells in Aquatic Systems?. Applied and Environmental Microbiology, 2001, 67, 1775-1782.	1.4	351
53	Genetic diversity of total, active and culturable marine bacteria in coastal seawater. Aquatic Microbial Ecology, 2000, 23, 1-11.	0.9	71
54	Use of fluorescent probes to assess physiological functions of bacteriaat single-cell level. Microbes and Infection, 2000, 2, 1523-1535.	1.0	330

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55	Marine Bacterial Isolates Display Diverse Responses to UV-B Radiation. Applied and Environmental Microbiology, 1999, 65, 3820-3827.	1.4	159
56	Responses of enteric bacteria to environmental stresses in seawater. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 1998, 21, 965-981.	0.7	71
57	Changes in Cellular States of the Marine Bacterium Deleya aquamarina under Starvation Conditions. Applied and Environmental Microbiology, 1997, 63, 2686-2694.	1.4	10
58	A New Sensitive, Whole-Cell Hybridization Technique for Detection of Bacteria Involving a Biotinylated Oligonucleotide Probe Targeting rRNA and Tyramide Signal Amplification. Applied and Environmental Microbiology, 1997, 63, 3274-3278.	1.4	69
59	Ecological implications of an improved direct viable count method for aquatic bacteria. Applied and Environmental Microbiology, 1997, 63, 3643-3647.	1.4	84
60	Flow cytometric analysis of the cellular DNA content of Salmonella typhimurium and Alteromonas haloplanktis during starvation and recovery in seawater. Applied and Environmental Microbiology, 1994, 60, 4345-4350.	1.4	57