

François Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

3,094
citations

361045

20
h-index

329751

37
g-index

39
all docs

39
docs citations

39
times ranked

4113
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental and Gut Bacteroidetes: The Food Connection. <i>Frontiers in Microbiology</i> , 2011, 2, 93.	1.5	989
2	Identification of trophic interactions within an estuarine food web (northern New Zealand) using fatty acid biomarkers and stable isotopes. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 70, 271-286.	0.9	207
3	Characterization of the first alginolytic operons in a marine bacterium: from their emergence in marine <i>Flavobacteriia</i> to their independent transfers to marine <i>Proteobacteria</i> and human gut <i>Bacteroides</i> . <i>Environmental Microbiology</i> , 2012, 14, 2379-2394.	1.8	201
4	Comparative Characterization of Two Marine Alginate Lyases from <i>Zobellia galactanivorans</i> Reveals Distinct Modes of Action and Exquisite Adaptation to Their Natural Substrate. <i>Journal of Biological Chemistry</i> , 2013, 288, 23021-23037.	1.6	175
5	Biochemical and Structural Characterization of the Complex Agarolytic Enzyme System from the Marine Bacterium <i>Zobellia galactanivorans</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 30571-30584.	1.6	139
6	Habitat and taxon as driving forces of carbohydrate catabolism in marine heterotrophic bacteria: example of the model algae-associated bacterium <i>Zobellia galactanivorans</i> . <i>Environmental Microbiology</i> , 2016, 18, 4610-4627.	1.8	131
7	Carrageenan catabolism is encoded by a complex regulon in marine heterotrophic bacteria. <i>Nature Communications</i> , 2017, 8, 1685.	5.8	131
8	Iodine-mediated coastal particle formation: an overview of the Reactive Halogens in the Marine Boundary Layer (RHAMBLe) Roscoff coastal study. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2975-2999.	1.9	125
9	Primary productivity below the seafloor at deep-sea hot springs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6756-6761.	3.3	103
10	Rhizosphere heterogeneity shapes abundance and activity of sulfur-oxidizing bacteria in vegetated salt marsh sediments. <i>Frontiers in Microbiology</i> , 2014, 5, 309.	1.5	90
11	Genetic analyses unravel the crucial role of a horizontally acquired alginate lyase for brown algal biomass degradation by <i>Zobellia galactanivorans</i> . <i>Environmental Microbiology</i> , 2017, 19, 2164-2181.	1.8	84
12	Stable isotope probing and metagenomics highlight the effect of plants on uncultured phenanthrene-degrading bacterial consortium in polluted soil. <i>ISME Journal</i> , 2019, 13, 1814-1830.	4.4	72
13	Short-Term Rhizosphere Effect on Available Carbon Sources, Phenanthrene Degradation, and Active Microbiome in an Aged-Contaminated Industrial Soil. <i>Frontiers in Microbiology</i> , 2016, 7, 92.	1.5	69
14	Microbial diversity and community structure across environmental gradients in Bransfield Strait, Western Antarctic Peninsula. <i>Frontiers in Microbiology</i> , 2014, 5, 647.	1.5	63
15	Evaluation of reference genes for real-time quantitative PCR in the marine flavobacterium <i>Zobellia galactanivorans</i> . <i>Journal of Microbiological Methods</i> , 2011, 84, 61-66.	0.7	60
16	Gene Expression Analysis of <i>Zobellia galactanivorans</i> during the Degradation of Algal Polysaccharides Reveals both Substrate-Specific and Shared Transcriptome-Wide Responses. <i>Frontiers in Microbiology</i> , 2017, 8, 1808.	1.5	58
17	Assessing microbial processes in deep-sea hydrothermal systems by incubation at in situ temperature and pressure. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 115, 221-232.	0.6	53
18	Isolation and substrate screening of polycyclic aromatic hydrocarbon degrading bacteria from soil with long history of contamination. <i>International Biodeterioration and Biodegradation</i> , 2016, 107, 1-9.	1.9	50

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19	Release of Volatile Aldehydes by the Brown Algal Kelp <i>Laminaria digitata</i> in Response to Both Biotic and Abiotic Stress. <i>ChemBioChem</i> , 2009, 10, 977-982.	1.3	30
20	Waterborne Signaling Primes the Expression of Elicitor-Induced Genes and Buffers the Oxidative Responses in the Brown Alga <i>Laminaria digitata</i> . <i>PLoS ONE</i> , 2011, 6, e21475.	1.1	26
21	Kelps feature systemic defense responses: insights into the evolution of innate immunity in multicellular eukaryotes. <i>New Phytologist</i> , 2014, 204, 567-576.	3.5	21
22	Evaluation of a new primer combination to minimize plastid contamination in 16S rDNA metabarcoding analyses of alga-associated bacterial communities. <i>Environmental Microbiology Reports</i> , 2020, 12, 30-37.	1.0	21
23	Degradation dynamics and processes associated with the accumulation of <i>Laminaria hyperborea</i> (Phaeophyceae) kelp fragments: an <i>in situ</i> experimental approach. <i>Journal of Phycology</i> , 2020, 56, 1481-1492.	1.0	21
24	Accumulation of detached kelp biomass in a subtidal temperate coastal ecosystem induces succession of epiphytic and sediment bacterial communities. <i>Environmental Microbiology</i> , 2021, 23, 1638-1655.	1.8	20
25	Regulation of alginate catabolism involves a GntR family repressor in the marine flavobacterium <i>Zobellia galactanivorans</i> DsijT. <i>Nucleic Acids Research</i> , 2020, 48, 7786-7800.	6.5	18
26	<i>Zobellia roscoffensis</i> sp. nov. and <i>Zobellia nedashkovskayae</i> sp. nov., two flavobacteria from the epiphytic microbiota of the brown alga <i>Ascophyllum nodosum</i> , and emended description of the genus <i>Zobellia</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	18
27	Food and habitat partitioning in grazing snails (<i>Turbo smaragdus</i>), Northern New Zealand. <i>Estuaries and Coasts</i> , 2007, 30, 431-440.	1.0	17
28	Isotopic tracing reveals single-cell assimilation of a macroalgal polysaccharide by a few marine Flavobacteria and Gammaproteobacteria. <i>ISME Journal</i> , 2021, 15, 3062-3075.	4.4	16
29	Herbivore-induced chemical and molecular responses of the kelps <i>Laminaria digitata</i> and <i>Lessonia spicata</i> . <i>PLoS ONE</i> , 2017, 12, e0173315.	1.1	16
30	Structure-function analysis of a new PL17 oligoalginate lyase from the marine bacterium <i>Zobellia galactanivorans</i> DsijT. <i>Glycobiology</i> , 2021, 31, 1364-1377.	1.3	12
31	Short-term effect of simulated salt marsh restoration by sand-amendment on sediment bacterial communities. <i>PLoS ONE</i> , 2019, 14, e0215767.	1.1	11
32	Consuming fresh macroalgae induces specific catabolic pathways, stress reactions and Type IX secretion in marine flavobacterial pioneer degraders. <i>ISME Journal</i> , 2022, 16, 2027-2039.	4.4	10
33	Rhizosphere effect is stronger than PAH concentration on shaping spatial bacterial assemblages along centimetre-scale depth gradients. <i>Canadian Journal of Microbiology</i> , 2017, 63, 881-893.	0.8	8
34	Functional Characterization of a L-2-Haloacid Dehalogenase From <i>Zobellia galactanivorans</i> DsijT Suggests a Role in Haloacetic Acid Catabolism and a Wide Distribution in Marine Environments. <i>Frontiers in Microbiology</i> , 2021, 12, 725997.	1.5	8
35	Specific detection and quantification of the marine flavobacterial genus <i>Zobellia</i> on macroalgae using novel qPCR and CARD-FISH assays. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126269.	1.2	8
36	Marine Bacterial Models for Experimental Biology. , 2021, , 1-26.		6

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37	Isotopic labeling of cultured macroalgae and isolation of ¹³ C-labeled cell wall polysaccharides for trophic investigations. <i>Advances in Botanical Research</i> , 2020, 95, 1-17.	0.5	4
38	Connecting Algal Polysaccharide Degradation to Formaldehyde Detoxification. <i>ChemBioChem</i> , 2022, 23, ..	1.3	3