

# Tristan Barbeyron

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,804  
citations

430442

18  
h-index

642321

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1455  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	The Cultivable Surface Microbiota of the Brown Alga <i>Ascophyllum nodosum</i> is Enriched in Macroalgal-Polysaccharide-Degrading Bacteria. <i>Frontiers in Microbiology</i> , 2015, 6, 1487.	1.5	172
4	Matching the Diversity of Sulfated Biomolecules: Creation of a Classification Database for Sulfatases Reflecting Their Substrate Specificity. <i>PLoS ONE</i> , 2016, 11, e0164846.	1.1	147
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> Dsij <sup>T</sup> . <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	The endo- $\beta$ -agarases AgaA and AgaB from the marine bacterium <i>Zobellia galactanivorans</i> : two paralogous enzymes with different molecular organizations and catalytic behaviours. <i>Biochemical Journal</i> , 2005, 385, 703-713.	1.7	130
9	A single sulfatase is required to access colonic mucin by a gut bacterium. <i>Nature</i> , 2021, 598, 332-337.	13.7	87
10	A Novel Enzyme Portfolio for Red Algal Polysaccharide Degradation in the Marine Bacterium <i>Paraglaciecola hydrolytica</i> S66T Encoded in a Sizeable Polysaccharide Utilization Locus. <i>Frontiers in Microbiology</i> , 2018, 9, 839.	1.5	73
11	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
12	Evolutionary Evidence of Algal Polysaccharide Degradation Acquisition by <i>Pseudoalteromonas carrageenovora</i> 9T to Adapt to Macroalgal Niches. <i>Frontiers in Microbiology</i> , 2018, 9, 2740.	1.5	54
13	Identification and Characterization of a Halotolerant, Cold-Active Marine Endo- $\beta$ -1,4-Glucanase by Using Functional Metagenomics of Seaweed-Associated Microbiota. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4958-4967.	1.4	52
14	Description of <i>Maribacter forsetii</i> sp. nov., a marine Flavobacteriaceae isolated from North Sea water, and emended description of the genus <i>Maribacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 790-797.	0.8	47
15	Genome and metabolic network of "Candidate Phaeomarinobacter ectocarpi" Ec32, a new candidate genus of Alphaproteobacteria frequently associated with brown algae. <i>Frontiers in Genetics</i> , 2014, 5, 241.	1.1	43
16	Structural insights into marine carbohydrate degradation by family GH16 $\beta$ -carrageenases. <i>Journal of Biological Chemistry</i> , 2017, 292, 19919-19934.	1.6	38
17	Discovering novel enzymes by functional screening of plurigenomic libraries from alga-associated Flavobacteriia and Gammaproteobacteria. <i>Microbiological Research</i> , 2016, 186-187, 52-61.	2.5	34
18	Discovery of a novel iota carrageenan sulfatase isolated from the marine bacterium <i>Pseudoalteromonas carrageenovora</i> . <i>Frontiers in Chemistry</i> , 2014, 2, 67.	1.8	22

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19	<i>Alteromonas fortis</i> sp. nov., a non-flagellated bacterium specialized in the degradation of iota-carrageenan, and emended description of the genus <i>Alteromonas</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2514-2521.	0.8	20
20	<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
21	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
22	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
23	Assembly and synthesis of the extracellular matrix in brown algae. <i>Seminars in Cell and Developmental Biology</i> , 2023, 134, 112-124.	2.3	6