

# Fernando Tavares

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71  
papers

1,090  
citations

16  
h-index

31  
g-index

78  
ext. papers

1,293  
ext. citations

3.5  
avg, IF

4.16  
L-index

#	Paper	IF	Citations
71	Genome characteristics of facultatively symbiotic <i>Frankia</i> sp. strains reflect host range and host plant biogeography. <i>Genome Research</i> , <b>2007</b> , 17, 7-15	9.7	296
70	<i>Ficus carica</i> L.: Metabolic and biological screening. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 2841-6	4.7	156
69	Draft genome sequence of <i>Frankia</i> sp. strain CN3, an atypical, noninfective (Nod-) ineffective (Fix-) isolate from <i>Coriaria nepalensis</i> . <i>Genome Announcements</i> , <b>2013</b> , 1, e0008513		46
68	Draft genome sequence of <i>Frankia</i> sp. strain QA3, a nitrogen-fixing actinobacterium isolated from the root nodule of <i>Alnus nitida</i> . <i>Genome Announcements</i> , <b>2013</b> , 1, e0010313		35
67	DNA signature-based approaches for bacterial detection and identification. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 3641-51	10.2	32
66	Persistence of a dominant bovine lineage of group B <i>Streptococcus</i> reveals genomic signatures of host adaptation. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 4216-4229	5.2	29
65	Effects of disease, antibiotic treatment and recovery trajectory on the microbiome of farmed seabass ( <i>Dicentrarchus labrax</i> ). <i>Scientific Reports</i> , <b>2019</b> , 9, 18946	4.9	27
64	A phylogenomic analysis of bacterial helix-turn-helix transcription factors. <i>FEMS Microbiology Reviews</i> , <b>2009</b> , 33, 411-29	15.1	26
63	Selection of carbohydrate-active probiotics from the gut of carnivorous fish fed plant-based diets. <i>Scientific Reports</i> , <b>2019</b> , 9, 6384	4.9	23
62	Disclosing biology teachers' beliefs about biotechnology and biotechnology education. <i>Teaching and Teacher Education</i> , <b>2012</b> , 28, 368-381	2.9	23
61	Reactive oxygen species in legume and actinorhizal nitrogen-fixing symbioses: the microsymbiont's responses to an unfriendly reception. <i>Physiologia Plantarum</i> , <b>2007</b> , 130, 344-356	4.6	21
60	A simple, rapid and non-destructive procedure to extract cell wall-associated proteins from <i>Frankia</i> . <i>Journal of Microbiological Methods</i> , <b>2000</b> , 39, 171-8	2.8	20
59	Histological and ultrastructural evidence for zinc sequestration in <i>Solanum nigrum</i> L. <i>Protoplasma</i> , <b>2015</b> , 252, 345-57	3.4	19
58	On the nature of fur evolution: a phylogenetic approach in Actinobacteria. <i>BMC Evolutionary Biology</i> , <b>2008</b> , 8, 185	3	18
57	Increasing awareness about antibiotic use and resistance: a hands-on project for high school students. <i>PLoS ONE</i> , <b>2012</b> , 7, e44699	3.7	17
56	Multidimensional analysis of high-school students' perceptions about biotechnology. <i>Journal of Biological Education</i> , <b>2012</b> , 46, 129-139	0.9	17
55	Multiple DNA Markers for Identification of <i>Xanthomonas arboricola</i> pv. <i>juglandis</i> Isolates and its Direct Detection in Plant Samples. <i>Plant Disease</i> , <b>2017</b> , 101, 858-865	1.5	15

54	Detection and discrimination of common bovine mastitis-causing streptococci. <i>Veterinary Microbiology</i> , <b>2013</b> , 164, 370-7	3.3	15
53	Zinc Accumulation and Tolerance in <i>Solanum nigrum</i> are Plant Growth Dependent. <i>International Journal of Phytoremediation</i> , <b>2015</b> , 17, 272-9	3.9	14
52	Evolutionary and experimental assessment of novel markers for detection of <i>Xanthomonas euvesicatoria</i> in plant samples. <i>PLoS ONE</i> , <b>2012</b> , 7, e37836	3.7	14
51	A GPU-based calculation using the three-dimensional FDTD method for electromagnetic field analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 327-30	0.9	13
50	A novel approach for the identification of bacterial taxa-specific molecular markers. <i>Letters in Applied Microbiology</i> , <b>2007</b> , 44, 506-12	2.9	13
49	Children's attitudes towards animals: evidence from the RODENTIA project. <i>Journal of Biological Education</i> , <b>2011</b> , 45, 121-128	0.9	12
48	Application of a Dot Blot Hybridization Platform to Assess Population Structure in Dairy Herds. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 54	5.7	9
47	DNase-resistant DNA in the extracellular and cell wall-associated fractions of <i>Frankia</i> strains R43 and Cc13. <i>Current Microbiology</i> , <b>2001</b> , 42, 168-72	2.4	9
46	DNase Activities of the Extracellular, Cell Wall-Associated, and Cytoplasmic Protein Fractions of <i>Frankia</i> Strain R43. <i>Applied and Environmental Microbiology</i> , <b>1997</b> , 63, 4597-9	4.8	9
45	Gut microbiota dynamics in carnivorous European seabass ( <i>Dicentrarchus labrax</i> ) fed plant-based diets. <i>Scientific Reports</i> , <b>2021</b> , 11, 447	4.9	9
44	A statistical approach to quantitative data validation focused on the assessment of students' perceptions about biotechnology. <i>SpringerPlus</i> , <b>2013</b> , 2, 496		8
43	Identification of <i>Xanthomonas fragariae</i> , <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> , and <i>Xanthomonas fuscans</i> subsp. <i>fuscans</i> with novel markers and using a dot blot platform coupled with automatic data analysis. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 5619-28	4.8	8
42	sp. nov., a new xanthomonad species including pathogenic and non-pathogenic strains of walnut. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2020</b> , 70, 6024-6031	2.2	8
41	Trends in Molecular Diagnosis and Diversity Studies for Phytosanitary Regulated. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	8
40	<i>Xanthomonas arboricola</i> pv. <i>juglandis</i> and pv. <i>corylina</i> : Brothers or distant relatives? Genetic clues, epidemiology, and insights for disease management. <i>Molecular Plant Pathology</i> , <b>2021</b> , 22, 1481-1499	5.7	8
39	Modulation of <i>Frankia alni</i> ACN14a oxidative stress response: activity, expression and phylogeny of catalases. <i>Physiologia Plantarum</i> , <b>2007</b> , 130, 454-463	4.6	7
38	Development of SCAR markers for rapid and specific detection of <i>Pseudomonas syringae</i> pv. <i>morsprunorum</i> races 1 and 2, using conventional and real-time PCR. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 3693-711	5.7	6
37	The Bactericidal Effect of Sunlight. <i>American Biology Teacher</i> , <b>2011</b> , 73, 548-552	0.3	6

36	Identification and expression studies of a catalase and a bifunctional catalase-peroxidase in <i>Frankia</i> strain R43. <i>Plant and Soil</i> , <b>2003</b> , 254, 75-81	4.2	6
35	Genotyping and epidemiological metadata provides new insights into population structure of <i>Xanthomonas</i> isolated from walnut trees		6
34	High-Quality Draft Genome Sequence of sp. Strain CPBF 424, a Walnut-Pathogenic Strain with Atypical Features. <i>Microbiology Resource Announcements</i> , <b>2018</b> , 7,	1.3	6
33	Automatic analysis of macroarrays images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 6122-5	0.9	5
32	Natural Antibiotics: A Hands-on Activity on Garlic's Antibiotic Properties. <i>American Biology Teacher</i> , <b>2011</b> , 73, 342-346	0.3	5
31	A Synergic Potential of Antimicrobial Peptides against pv.. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
30	Automatic Analysis of Dot Blot Images. <i>Intelligent Automation and Soft Computing</i> , <b>2015</b> , 21, 607-622	2.6	4
29	<i>Escherichia coli</i> 's water load affects zebrafish ( <i>Danio rerio</i> ) behavior. <i>Science of the Total Environment</i> , <b>2018</b> , 636, 767-774	10.2	4
28	Assessment of pv. Bacterial Load in Infected Walnut Fruits by Quantitative PCR. <i>Plant Disease</i> , <b>2019</b> , 103, 2577-2586	1.5	4
27	Insights into phytoremediation solutions for environmental recovery. <i>Recent Patents on Biotechnology</i> , <b>2011</b> , 5, 25-39	2.2	4
26	Automatic detection of molecular markers in digital images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 6710-3	0.9	4
25	Regeneration of the actinorhizal plant <i>Myrica gale</i> L. from epicotyl explants. <i>Plant Science</i> , <b>1998</b> , 135, 203-210	5.3	4
24	Complete Genome Sequences of Walnut-Associated Strains CPBF 367 and CPBF 426 Obtained by Illumina/Nanopore Hybrid Assembly. <i>Microbiology Resource Announcements</i> , <b>2020</b> , 9,	1.3	4
23	CRISPR genotyping as complementary tool for epidemiological surveillance of <i>Erwinia amylovora</i> outbreaks. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250280	3.7	4
22	Comprehensive diversity assessment of walnut-associated xanthomonads reveal the occurrence of distinct <i>Xanthomonas arboricola</i> lineages and of a new species ( <i>Xanthomonas euroxanthea</i> ) within the same tree. <i>Plant Pathology</i> , <b>2021</b> , 70, 943-958	2.8	4
21	Bioinformatics-Based Activities in High School: Fostering Students' Literacy, Interest, and Attitudes on Gene Regulation, Genomics, and Evolution. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 578099	5.7	3
20	Comparative Genomics of and pv. Strains Isolated from a Single Walnut Host Tree. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	3
19	High-Quality Draft Genome Sequence of <i>Xanthomonas arboricola</i> pv. <i>juglandis</i> CPBF 1521, Isolated from Leaves of a Symptomatic Walnut Tree in Portugal without a Past of Phytosanitary Treatment. <i>Microbiology Resource Announcements</i> , <b>2018</b> , 7,	1.3	3

18	Mining the Genome: Using Bioinformatics Tools in the Classroom to Support Student Discovery of Genes. <i>American Biology Teacher</i> , <b>2018</b> , 80, 619-624	0.3	3
17	Multiplex PCR identification and culture-independent quantification of <i>Bacillus licheniformis</i> by qPCR using specific DNA markers. <i>Food Microbiology</i> , <b>2018</b> , 74, 1-10	6	2
16	A quantitative hybridization approach using 17 DNA markers for identification and clustering analysis of <i>Ralstonia solanacearum</i> . <i>Plant Pathology</i> , <b>2015</b> , 64, 1270-1283	2.8	2
15	Complete Genome Sequence Obtained by Nanopore and Illumina Hybrid Assembly of <i>Xanthomonas arboricola</i> pv. <i>juglandis</i> CPBF 427, Isolated from Buds of a Walnut Tree. <i>Microbiology Resource Announcements</i> , <b>2021</b> , 10,	1.3	2
14	In Vitro Evaluation of Five Antimicrobial Peptides against the Plant Pathogen. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
13	<i>Satureja montana</i> Essential Oil, Zein Nanoparticles and Their Combination as a Biocontrol Strategy to Reduce Bacterial Spot Disease on Tomato Plants. <i>Horticulturae</i> , <b>2021</b> , 7, 584	2.5	1
12	First Report of <i>Xanthomonas arboricola</i> Causing Bacterial Blight on Pecan Trees in Portugal. <i>Plant Disease</i> , <b>2018</b> , 102, 2632	1.5	1
11	Image Based Estimation of Fruit Phytopathogenic Lesions Area. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 285-295	0.9	1
10	Fire Blight Management: Physiological Assessment of Cultural Control By Pruning in Pear Orchards. <i>Agriculture</i> , <b>2020</b> , 66, 128-136	0.6	0
9	<i>Satureja montana</i> L. essential oil, montmorillonite and nanoformulation reduce <i>Xanthomonas euvesicatoria</i> infection, modulating redox and hormonal pathways of tomato plants. <i>Scientia Horticulturae</i> , <b>2022</b> , 295, 110861	4.1	0
8	Application of a dot blot hybridization assay for genotyping <i>Streptococcus uberis</i> from Brazilian dairy herds. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 3418-3426	4	0
7	DNA Markers for Detection and Genotyping of <i>Xanthomonas euroxanthea</i> . <i>Microorganisms</i> , <b>2022</b> , 10, 1078	4.9	0
6	A Hands-on Activity to Raise Awareness about Healthy Sun Exposure. <i>Journal of Biological Education</i> , <b>2015</b> , 49, 22-37	0.9	
5	Casuarina-Frankia Symbioses - Molecular Studies of Frankia <b>2000</b> , 457-458		
4	Cell Wall-Associated Proteins of Frankia <b>2002</b> , 468-468		
3	Cloning and Expression Studies of Furf and Cap F in Frankia Strain R43 <b>2005</b> , 211-212		
2	Identification and expression studies of a catalase and a bifunctional catalase-peroxidase in Frankia strain R43 <b>2003</b> , 75-81		
1	Towards Automatic Calibration of Dotblot Images. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 39-46	0.9	

