Fernando Tavares

List of Publications by Year in Descending Order

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	Satureja montana L. essential oil, montmorillonite and nanoformulation reduce Xanthomonas euvesicatoria infection, modulating redox and hormonal pathways of tomato plants. *Scientia Horticulturae*, **2022**, 295, 110861	4.1	0
70	DNA Markers for Detection and Genotyping of Xanthomonas euroxanthea. *Microorganisms*, **2022**, 10, 1078	4.9	0
69	Satureja montana Essential Oil, Zein Nanoparticles and Their Combination as a Biocontrol Strategy to Reduce Bacterial Spot Disease on Tomato Plants. *Horticulturae*, **2021**, 7, 584	2.5	1
68	Comparative Genomics of and pv. Strains Isolated from a Single Walnut Host Tree. *Microorganisms*, **2021**, 9,	4.9	3
67	A Synergic Potential of Antimicrobial Peptides against pv.. *Molecules*, **2021**, 26,	4.8	5
66	Complete Genome Sequence Obtained by Nanopore and Illumina Hybrid Assembly of Xanthomonas arboricola pv. juglandis CPBF 427, Isolated from Buds of a Walnut Tree. *Microbiology Resource Announcements*, **2021**, 10,	1.3	2
65	Application of a dot blot hybridization assay for genotyping Streptococcus uberis from Brazilian dairy herds. *Journal of Dairy Science*, **2021**, 104, 3418-3426	4	0
64	CRISPR genotyping as complementary tool for epidemiological surveillance of Erwinia amylovora outbreaks. *PLoS ONE*, **2021**, 16, e0250280	3.7	4
63	In Vitro Evaluation of Five Antimicrobial Peptides against the Plant Pathogen. *Biomolecules*, **2021**, 11,	5.9	2
62	Trends in Molecular Diagnosis and Diversity Studies for Phytosanitary Regulated. *Microorganisms*, **2021**, 9,	4.9	8
61	Xanthomonas arboricola pv. juglandis and pv. corylina: Brothers or distant relatives? Genetic clues, epidemiology, and insights for disease management. *Molecular Plant Pathology*, **2021**, 22, 1481-1499	5.7	8
60	Gut microbiota dynamics in carnivorous European seabass (Dicentrarchus labrax) fed plant-based diets. *Scientific Reports*, **2021**, 11, 447	4.9	9
59	Comprehensive diversity assessment of walnut-associated xanthomonads reveal the occurrence of distinct Xanthomonas arboricola lineages and of a new species (Xanthomonas euroxanthea) within the same tree. *Plant Pathology*, **2021**, 70, 943-958	2.8	4
58	Complete Genome Sequences of Walnut-Associated Strains CPBF 367 and CPBF 426 Obtained by Illumina/Nanopore Hybrid Assembly. *Microbiology Resource Announcements*, **2020**, 9,	1.3	4
57	Fire Blight Management: Physiological Assessment of Cultural Control By Pruning in Pear Orchards. *Agriculture*, **2020**, 66, 128-136	0.6	0
56	sp. nov., a new xanthomonad species including pathogenic and non-pathogenic strains of walnut. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 6024-6031	2.2	8
55	Bioinformatics-Based Activities in High School: Fostering Students' Literacy, Interest, and Attitudes on Gene Regulation, Genomics, and Evolution. *Frontiers in Microbiology*, **2020**, 11, 578099	5.7	3

54	Selection of carbohydrate-active probiotics from the gut of carnivorous fish fed plant-based diets. *Scientific Reports*, **2019**, 9, 6384	4.9	23
53	Assessment of pv. Bacterial Load in Infected Walnut Fruits by Quantitative PCR. *Plant Disease*, **2019**, 103, 2577-2586	1.5	4
52	Image Based Estimation of Fruit Phytopathogenic Lesions Area. *Lecture Notes in Computer Science*, **2019**, 285-295	0.9	1
51	Effects of disease, antibiotic treatment and recovery trajectory on the microbiome of farmed seabass (Dicentrarchus labrax). *Scientific Reports*, **2019**, 9, 18946	4.9	27
50	Multiplex PCR identification and culture-independent quantification of Bacillus licheniformis by qPCR using specific DNA markers. *Food Microbiology*, **2018**, 74, 1-10	6	2
49	Escherichia coli's water load affects zebrafish (Danio rerio) behavior. *Science of the Total Environment*, **2018**, 636, 767-774	10.2	4
48	Towards Automatic Calibration of Dotblot Images. *Lecture Notes in Computer Science*, **2018**, 39-46	0.9	
47	First Report of Xanthomonas arboricola Causing Bacterial Blight on Pecan Trees in Portugal. *Plant Disease*, **2018**, 102, 2632	1.5	1
46	High-Quality Draft Genome Sequence of sp. Strain CPBF 424, a Walnut-Pathogenic Strain with Atypical Features. *Microbiology Resource Announcements*, **2018**, 7,	1.3	6
45	High-Quality Draft Genome Sequence of Xanthomonas arboricola pv. juglandis CPBF 1521, Isolated from Leaves of a Symptomatic Walnut Tree in Portugal without a Past of Phytosanitary Treatment. *Microbiology Resource Announcements*, **2018**, 7,	1.3	3
44	Mining the Genome: Using Bioinformatics Tools in the Classroom to Support Student Discovery of Genes. *American Biology Teacher*, **2018**, 80, 619-624	0.3	3
43	Multiple DNA Markers for Identification of Xanthomonas arboricola pv. juglandis Isolates and its Direct Detection in Plant Samples. *Plant Disease*, **2017**, 101, 858-865	1.5	15
42	Application of a Dot Blot Hybridization Platform to Assess Population Structure in Dairy Herds. *Frontiers in Microbiology*, **2017**, 8, 54	5.7	9
41	Development of SCAR markers for rapid and specific detection of Pseudomonas syringae pv. morsprunorum races 1 and 2, using conventional and real-time PCR. *Applied Microbiology and Biotechnology*, **2016**, 100, 3693-711	5.7	6
40	Persistence of a dominant bovine lineage of group B Streptococcus reveals genomic signatures of host adaptation. *Environmental Microbiology*, **2016**, 18, 4216-4229	5.2	29
39	Automatic Analysis of Dot Blot Images. *Intelligent Automation and Soft Computing*, **2015**, 21, 607-622	2.6	4
38	Histological and ultrastructural evidence for zinc sequestration in Solanum nigrum L. *Protoplasma*, **2015**, 252, 345-57	3.4	19
37	Zinc Accumulation and Tolerance in Solanum nigrum are Plant Growth Dependent. *International Journal of Phytoremediation*, **2015**, 17, 272-9	3.9	14

36	A Hands-on Activity to Raise Awareness about Healthy Sun Exposure. *Journal of Biological Education*, **2015**, 49, 22-37	0.9	
35	A quantitative hybridization approach using 17 DNA markers for identification and clustering analysis of Ralstonia solanacearum. *Plant Pathology*, **2015**, 64, 1270-1283	2.8	2
34	A statistical approach to quantitative data validation focused on the assessment of students' perceptions about biotechnology. *SpringerPlus*, **2013**, 2, 496		8
33	Detection and discrimination of common bovine mastitis-causing streptococci. *Veterinary Microbiology*, **2013**, 164, 370-7	3.3	15
32	Draft genome sequence of Frankia sp. strain QA3, a nitrogen-fixing actinobacterium isolated from the root nodule of Alnus nitida. *Genome Announcements*, **2013**, 1, e0010313		35
31	Draft genome sequence of Frankia sp. strain CN3, an atypical, noninfective (Nod-) ineffective (Fix-) isolate from Coriaria nepalensis. *Genome Announcements*, **2013**, 1, e0008513		46
30	Disclosing biology teachers beliefs about biotechnology and biotechnology education. *Teaching and Teacher Education*, **2012**, 28, 368-381	2.9	23
29	Evolutionary and experimental assessment of novel markers for detection of Xanthomonas euvesicatoria in plant samples. *PLoS ONE*, **2012**, 7, e37836	3.7	14
28	Increasing awareness about antibiotic use and resistance: a hands-on project for high school students. *PLoS ONE*, **2012**, 7, e44699	3.7	17
27	Multidimensional analysis of high-school students' perceptions about biotechnology. *Journal of Biological Education*, **2012**, 46, 129-139	0.9	17
26	The Bactericidal Effect of Sunlight. *American Biology Teacher*, **2011**, 73, 548-552	0.3	6
25	Children attitudes towards animals: evidence from the RODENTIA project. *Journal of Biological Education*, **2011**, 45, 121-128	0.9	12
24	Insights into phytoremediation solutions for environmental recovery. *Recent Patents on Biotechnology*, **2011**, 5, 25-39	2.2	4
23	Identification of Xanthomonas fragariae, Xanthomonas axonopodis pv. phaseoli, and Xanthomonas fuscans subsp. fuscans with novel markers and using a dot blot platform coupled with automatic data analysis. *Applied and Environmental Microbiology*, **2011**, 77, 5619-28	4.8	8
22	Natural Antibiotics: A Hands-on Activity on Garlic's Antibiotic Properties. *American Biology Teacher*, **2011**, 73, 342-346	0.3	5
21	Automatic analysis of macroarrays images. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2010**, 2010, 6122-5	0.9	5
20	A GPU-based calculation using the three-dimensional FDTD method for electromagnetic field analysis. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2010**, 2010, 327-30	0.9	13
19	Automatic detection of molecular markers in digital images. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2009**, 2009, 6710-3	0.9	4

18	DNA signature-based approaches for bacterial detection and identification. *Science of the Total Environment*, **2009**, 407, 3641-51	10.2	32
17	A phylogenomic analysis of bacterial helix-turn-helix transcription factors. *FEMS Microbiology Reviews*, **2009**, 33, 411-29	15.1	26
16	Ficus carica L.: Metabolic and biological screening. *Food and Chemical Toxicology*, **2009**, 47, 2841-6	4.7	156
15	On the nature of fur evolution: a phylogenetic approach in Actinobacteria. *BMC Evolutionary Biology*, **2008**, 8, 185	3	18
14	Modulation of Frankia alni ACN14a oxidative stress response: activity, expression and phylogeny of catalases. *Physiologia Plantarum*, **2007**, 130, 454-463	4.6	7
13	Reactive oxygen species in legume and actinorhizal nitrogen-fixing symbioses: the microsymbionts responses to an unfriendly reception. *Physiologia Plantarum*, **2007**, 130, 344-356	4.6	21
12	A novel approach for the identification of bacterial taxa-specific molecular markers. *Letters in Applied Microbiology*, **2007**, 44, 506-12	2.9	13
11	Genome characteristics of facultatively symbiotic Frankia sp. strains reflect host range and host plant biogeography. *Genome Research*, **2007**, 17, 7-15	9.7	296
10	Cloning and Expression Studies of Furf and Cap F in Frankia Strain R43 **2005**, 211-212		
9	Identification and expression studies of a catalase and a bifunctional catalase-peroxidase in Frankia strain R43. *Plant and Soil*, **2003**, 254, 75-81	4.2	6
8	Identification and expression studies of a catalase and a bifunctional catalase-peroxidase in Frankia strain R43 **2003**, 75-81		
7	Cell Wall-Associated Proteins of Frankia **2002**, 468-468		
6	DNase-resistant DNA in the extracellular and cell wall-associated fractions of Frankia strains R43 and CcI3. *Current Microbiology*, **2001**, 42, 168-72	2.4	9
5	A simple, rapid and non-destructive procedure to extract cell wall-associated proteins from Frankia. *Journal of Microbiological Methods*, **2000**, 39, 171-8	2.8	20
4	Casuarina-Frankia Symbioses - Molecular Studies of Frankia **2000**, 457-458		
3	Regeneration of the actinorhizal plant Myrica gale L. from epicotyl explants. *Plant Science*, **1998**, 135, 203-210	5.3	4
2	DNase Activities of the Extracellular, Cell Wall-Associated, and Cytoplasmic Protein Fractions of Frankia Strain R43. *Applied and Environmental Microbiology*, **1997**, 63, 4597-9	4.8	9
1	Genotyping and epidemiological metadata provides new insights into population structure of Xanthomonas isolated from walnut trees		6