

Alessandra Alves de Souza

List of Publications by Year in descending order

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77
papers

2,334
citations

218677

26
h-index

233421

45
g-index

84
all docs

84
docs citations

84
times ranked

3007
citing authors

#	ARTICLE	IF	CITATIONS
1	MqsR toxin as a biotechnological tool for plant pathogen bacterial control. <i>Scientific Reports</i> , 2022, 12, 2794.	3.3	5
2	Overexpression of CsSAMT in <i>Citrus sinensis</i> Induces Defense Response and Increases Resistance to <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 836582.	3.6	2
3	Persistor Cells Form in the Plant Pathogen <i>Xanthomonas citri</i> subsp. <i>citri</i> under Different Stress Conditions. <i>Microorganisms</i> , 2021, 9, 384.	3.6	8
4	Functionalized microchannels as xylem-mimicking environment: Quantifying <i>X. fastidiosa</i> cell adhesion. <i>Biophysical Journal</i> , 2021, 120, 1443-1453.	0.5	0
5	Octahedral ruthenium and magnesium naringenin 5-alkoxide complexes: NMR analysis of diastereoisomers and in-vivo antibacterial activity against <i>Xylella fastidiosa</i> . <i>Talanta</i> , 2021, 225, 122040.	5.5	5
6	Modified Monosaccharides Content of Xanthan Gum Impairs Citrus Canker Disease by Affecting the Epiphytic Lifestyle of <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Microorganisms</i> , 2021, 9, 1176.	3.6	8
7	The <i>Arabidopsis</i> immune receptor EFR increases resistance to the bacterial pathogens <i>Xanthomonas</i> and <i>Xylella</i> in transgenic sweet orange. <i>Plant Biotechnology Journal</i> , 2021, 19, 1294-1296.	8.3	26
8	GC-TOF/MS-based metabolomics analysis to investigate the changes driven by N-Acetylcysteine in the plant-pathogen <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Scientific Reports</i> , 2021, 11, 15558.	3.3	3
9	Overexpression of <i>mqsR</i> in <i>Xylella fastidiosa</i> Leads to a Priming Effect of Cells to Copper Stress Tolerance. <i>Frontiers in Microbiology</i> , 2021, 12, 712564.	3.5	3
10	Probing the application of OmpA-derived peptides to disrupt the acquisition of <i>Candidatus Liberibacter asiaticus</i> ™ by <i>Diaphorina citri</i> . <i>Phytopathology</i> , 2021, , .	2.2	7
11	Controlled spatial organization of bacterial growth reveals key role of cell filamentation preceding <i>Xylella fastidiosa</i> biofilm formation. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 86.	6.4	6
12	Severity assessment in the <i>Nicotiana tabacum</i> - <i>Xylella fastidiosa</i> subsp. <i>pauca</i> pathosystem: design and interlaboratory validation of a standard area diagram set. <i>Tropical Plant Pathology</i> , 2020, 45, 710-722.	1.5	8
13	Wide-ranging transcriptomic analysis of <i>Poncirus trifoliata</i> , <i>Citrus sunki</i> , <i>Citrus sinensis</i> and contrasting hybrids reveals HLB tolerance mechanisms. <i>Scientific Reports</i> , 2020, 10, 20865.	3.3	22
14	Phenotypic Characterization and Transformation Attempts Reveal Peculiar Traits of <i>Xylella fastidiosa</i> Subspecies <i>pauca</i> Strain De Donno. <i>Microorganisms</i> , 2020, 8, 1832.	3.6	13
15	Overexpression of <i>Citrus reticulata</i> SAMT in <i>Nicotiana tabacum</i> increases MeSA volatilization and decreases <i>Xylella fastidiosa</i> symptoms. <i>Planta</i> , 2020, 252, 103.	3.2	5
16	Special issue on bacterial citrus diseases: part I. <i>Tropical Plant Pathology</i> , 2020, 45, 163-165.	1.5	1
17	XadA2 Adhesin Decreases Biofilm Formation and Transmission of <i>Xylella fastidiosa</i> subsp. <i>pauca</i> . <i>Insects</i> , 2020, 11, 473.	2.2	3
18	Copper Kills <i>Escherichia coli</i> Persister Cells. <i>Antibiotics</i> , 2020, 9, 506.	3.7	7

#	ARTICLE	IF	CITATIONS
19	Special issue on bacterial citrus diseases: part II. <i>Tropical Plant Pathology</i> , 2020, 45, 557-558.	1.5	0
20	High-Quality Draft Genome Sequence Resources of Eight <i>Xylella fastidiosa</i> Strains Isolated from Citrus, Coffee, Plum, and Hibiscus in South America. <i>Phytopathology</i> , 2020, 110, 1751-1755.	2.2	3
21	<i>Xanthomonas citri</i> subsp. <i>citri</i> : host interaction and control strategies. <i>Tropical Plant Pathology</i> , 2020, 45, 213-236.	1.5	28
22	<i>Citrus reticulata</i> CrRAP2.2 Transcriptional Factor Shares Similar Functions to the <i>Arabidopsis</i> Homolog and Increases Resistance to <i>Xylella fastidiosa</i> . <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 519-527.	2.6	2
23	Citrus Variegated Chlorosis: an Overview of 30 Years of Research and Disease Management. <i>Tropical Plant Pathology</i> , 2020, 45, 175-191.	1.5	40
24	The <i>ecmA</i> Antitoxin Is Important Not Only for Human Pathogens: Evidence of Its Role in the Plant Pathogen <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	10
25	Citrus biotechnology: What has been done to improve disease resistance in such an important crop?. <i>Biotechnology Research and Innovation</i> , 2019, 3, 95-109.	0.9	26
26	Analysis of Defense-Related Gene Expression in Citrus Hybrids Infected by <i>Xylella fastidiosa</i> . <i>Phytopathology</i> , 2019, 109, 301-306.	2.2	11
27	<i>Xylella fastidiosa</i> subsp. <i>pauca</i> and <i>fastidiosa</i> Colonize <i>Arabidopsis</i> Systemically and Induce Anthocyanin Accumulation in Infected Leaves. <i>Phytopathology</i> , 2019, 109, 225-232.	2.2	12
28	Persistence in Phytopathogenic Bacteria: Do We Know Enough?. <i>Frontiers in Microbiology</i> , 2018, 9, 1099.	3.5	92
29	BigR is a sulfide sensor that regulates a sulfur transferase/dioxygenase required for aerobic respiration of plant bacteria under sulfide stress. <i>Scientific Reports</i> , 2018, 8, 3508.	3.3	24
30	PAMPs, PRRs, effectors and R-genes associated with citrus pathogen interactions. <i>Annals of Botany</i> , 2017, 119, mcw238.	2.9	48
31	Stiffness signatures along early stages of <i>Xylella fastidiosa</i> biofilm formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 174-182.	5.0	11
32	A Simple Defined Medium for the Production of True Diketopiperazines in <i>Xylella fastidiosa</i> and Their Identification by Ultra-Fast Liquid Chromatography-Electrospray Ionization Ion Trap Mass Spectrometry. <i>Molecules</i> , 2017, 22, 985.	3.8	11
33	PHLOEM PROMOTERS IN TRANSGENIC SWEET ORANGE ARE DIFFERENTIALLY TRIGGERED BY <i>Candidatus Liberibacter asiaticus</i> . <i>Revista Brasileira De Fruticultura</i> , 2017, 39, .	0.5	6
34	Type II Toxin-Antitoxin Distribution and Adaptive Aspects on <i>Xanthomonas</i> Genomes: Focus on <i>Xanthomonas citri</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 652.	3.5	27
35	The MqsRA Toxin-Antitoxin System from <i>Xylella fastidiosa</i> Plays a Key Role in Bacterial Fitness, Pathogenicity, and Persister Cell Formation. <i>Frontiers in Microbiology</i> , 2016, 7, 904.	3.5	47
36	The Antitoxin Protein of a Toxin-Antitoxin System from <i>Xylella fastidiosa</i> Is Secreted via Outer Membrane Vesicles. <i>Frontiers in Microbiology</i> , 2016, 7, 2030.	3.5	20

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37	In vitro Determination of Extracellular Proteins from <i>Xylella fastidiosa</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 2090.	3.5	15
38	Filamentation and spatiotemporal distribution of extracellular polymeric substances: role on <i>X.fastidiosa</i> single cell adhesion and biofilm formation (Conference Presentation). , 2016, , .		0
39	LRR-RLK family from two Citrus species: genome-wide identification and evolutionary aspects. <i>BMC Genomics</i> , 2016, 17, 623.	2.8	35
40	Draft Genome Sequence of 11399, a Transformable Citrus-Pathogenic Strain of <i>Xylella fastidiosa</i> . <i>Genome Announcements</i> , 2016, 4, .	0.8	12
41	A force sensor using nanowire arrays to understand biofilm formation (Conference Presentation). , 2016, , .		0
42	Nanowire Arrays as Cell Force Sensors To Investigate Adhesin-Enhanced Holdfast of Single Cell Bacteria and Biofilm Stability. <i>Nano Letters</i> , 2016, 16, 4656-4664.	9.1	65
43	The ATP-dependent RNA helicase HrpB plays an important role in motility and biofilm formation in <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>BMC Microbiology</i> , 2016, 16, 55.	3.3	36
44	Nanofilms of hyaluronan/chitosan assembled layer-by-layer: An antibacterial surface for <i>Xylella fastidiosa</i> . <i>Carbohydrate Polymers</i> , 2016, 136, 1-11.	10.2	46
45	Spatiotemporal distribution of different extracellular polymeric substances and filamentation mediate <i>Xylella fastidiosa</i> adhesion and biofilm formation. <i>Scientific Reports</i> , 2015, 5, 9856.	3.3	85
46	VapD in <i>Xylella fastidiosa</i> Is a Thermostable Protein with Ribonuclease Activity. <i>PLoS ONE</i> , 2015, 10, e0145765.	2.5	8
47	Transcriptional profile of sweet orange in response to chitosan and salicylic acid. <i>BMC Genomics</i> , 2015, 16, 288.	2.8	40
48	Quantification and localization of hesperidin and rutin in <i>Citrus sinensis</i> grafted on <i>C. limonia</i> after <i>Xylella fastidiosa</i> infection by HPLC-UV and MALDI imaging mass spectrometry. <i>Phytochemistry</i> , 2015, 115, 161-170.	2.9	57
49	Comparative genomic analysis of coffee-infecting <i>Xylella fastidiosa</i> strains isolated from Brazil. <i>Microbiology (United Kingdom)</i> , 2015, 161, 1018-1033.	1.8	9
50	RNA-Seq analysis of <i>Citrus reticulata</i> in the early stages of <i>Xylella fastidiosa</i> infection reveals auxin-related genes as a defense response. <i>BMC Genomics</i> , 2013, 14, 676.	2.8	59
51	On the role of extracellular polymeric substances during early stages of <i>Xylella fastidiosa</i> biofilm formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 519-525.	5.0	24
52	Phenotype Overlap in <i>Xylella fastidiosa</i> Is Controlled by the Cyclic Di-GMP Phosphodiesterase Eal in Response to Antibiotic Exposure and Diffusible Signal Factor-Mediated Cell-Cell Signaling. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3444-3454.	3.1	22
53	Surface Physicochemical Properties at the Micro and Nano Length Scales: Role on Bacterial Adhesion and <i>Xylella fastidiosa</i> Biofilm Development. <i>PLoS ONE</i> , 2013, 8, e75247.	2.5	47
54	N-Acetylcysteine in Agriculture, a Novel Use for an Old Molecule: Focus on Controlling the Plantâ€™Pathogen <i>Xylella fastidiosa</i> . <i>PLoS ONE</i> , 2013, 8, e72937.	2.5	57

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55	Global Expression Profile of Biofilm Resistance to Antimicrobial Compounds in the Plant-Pathogenic Bacterium <i>Xylella fastidiosa</i> Reveals Evidence of Persister Cells. <i>Journal of Bacteriology</i> , 2012, 194, 4561-4569.	2.2	53
56	Highly-sensitive and label-free indium phosphide biosensor for early phytopathogen diagnosis. <i>Biosensors and Bioelectronics</i> , 2012, 36, 62-68.	10.1	21
57	Citrus genomics. <i>Tree Genetics and Genomes</i> , 2012, 8, 611-626.	1.6	104
58	Identification of defence-related genes expressed in coffee and citrus during infection by <i>Xylella fastidiosa</i> . <i>European Journal of Plant Pathology</i> , 2011, 130, 529-540.	1.7	5
59	Analysis of the biofilm proteome of <i>Xylella fastidiosa</i> . <i>Proteome Science</i> , 2011, 9, 58.	1.7	25
60	The role of conditioning film formation and surface chemical changes on <i>Xylella fastidiosa</i> adhesion and biofilm evolution. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 289-295.	9.4	171
61	Copper resistance of biofilm cells of the plant pathogen <i>Xylella fastidiosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 1145-1157.	3.6	52
62	Assessment of the diagnostic potential of Immunocapture-PCR and Immuno-PCR for Citrus Variegated Chlorosis. <i>Journal of Microbiological Methods</i> , 2008, 75, 302-307.	1.6	8
63	Chemical Characterization of <i>Citrus sinensis</i> Grafted on <i>C. limonia</i> and the Effect of Some Isolated Compounds on the Growth of <i>Xylella fastidiosa</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7815-7822.	5.2	44
64	Comparative analysis of differentially expressed sequence tags of sweet orange and mandarin infected with <i>Xylella fastidiosa</i> . <i>Genetics and Molecular Biology</i> , 2007, 30, 965-971.	1.3	19
65	CitEST libraries. <i>Genetics and Molecular Biology</i> , 2007, 30, 1019-1023.	1.3	9
66	Analysis of expressed sequence tags from <i>Citrus sinensis</i> L. Osbeck infected with <i>Xylella fastidiosa</i> . <i>Genetics and Molecular Biology</i> , 2007, 30, 957-964.	1.3	11
67	Differential expression of genes identified from <i>Poncirus trifoliata</i> tissue inoculated with CTV through EST analysis and in silico hybridization. <i>Genetics and Molecular Biology</i> , 2007, 30, 972-979.	1.3	19
68	Comparative genomic characterization of citrus-associated <i>Xylella fastidiosa</i> strains. <i>BMC Genomics</i> , 2007, 8, 474.	2.8	25
69	Expression of Pathogenicity-Related Genes of <i>Xylella fastidiosa</i> In Vitro and In Planta. <i>Current Microbiology</i> , 2005, 50, 223-228.	2.2	43
70	The Genome Sequence of the Gram-Positive Sugarcane Pathogen <i>Leifsonia xyli</i> subsp. <i>xyli</i> . <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 827-836.	2.6	119
71	Gene expression profile of the plant pathogen <i>Xylella fastidiosa</i> during biofilm formation in vitro. <i>FEMS Microbiology Letters</i> , 2004, 237, 341-353.	1.8	75
72	Development of a Molecular Tool for the Diagnosis of Leprosis, a Major Threat to Citrus Production in the Americas. <i>Plant Disease</i> , 2003, 87, 1317-1321.	1.4	87

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73	Microarray Analyses of <i>Xylella fastidiosa</i> Provide Evidence of Coordinated Transcription Control of Laterally Transferred Elements. <i>Genome Research</i> , 2003, 13, 570-578.	5.5	79
74	Analysis of Gene Expression in Two Growth States of <i>Xylella fastidiosa</i> and Its Relationship with Pathogenicity. <i>Molecular Plant-Microbe Interactions</i> , 2003, 16, 867-875.	2.6	69
75	Competitive hybridization on spotted microarrays as a tool to conduct comparative genomic analyses of <i>Xylella fastidiosa</i> strains. <i>FEMS Microbiology Letters</i> , 2002, 216, 15-21.	1.8	21
76	Differentiation of Strains of <i>Xylella fastidiosa</i> by a Variable Number of Tandem Repeat Analysis. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4091-4095.	3.1	97
77	Doenças associadas à <i>Xylella fastidiosa</i> no Brasil. <i>Revisão Anual De Patologia De Plantas</i> , 0, , 50-68.	0.1	0