Aline Maria da Silva

List of Publications by Year
in descending order

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82	4,512	136950	114465
papers	citations	32 h-index	63 g-index

86	86	86	5715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The genome sequence of the plant pathogen Xylella fastidiosa. Nature, 2000, 406, 151-157.	27.8	827
2	A genomic catalog of Earthâ€™s microbiomes. Nature Biotechnology, 2021, 39, 499-509.	17.5	457
3	Analysis and Functional Annotation of an Expressed Sequence Tag Collection for Tropical Crop Sugarcane. Genome Research, 2003, 13, 2725-2735.	5.5	254
4	Genome mapping and expression analyses of human intronic noncoding RNAs reveal tissue-specific patterns and enrichment in genes related to regulation of transcription. Genome Biology, 2007, 8, R43.	9.6	209
5	Microbial community structure and dynamics in thermophilic composting viewed through metagenomics and metatranscriptomics. Scientific Reports, 2016, 6, 38915.	3.3	183
6	Antisense intronic non-coding RNA levels correlate to the degree of tumor differentiation in prostate cancer. Oncogene, 2004, 23, 6684-6692.	5.9	150
7	Xylella fastidiosa outer membrane vesicles modulate plant colonization by blocking attachment to surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3910-8.	7.1	143
8	Polyductin, the PKHD1 gene product, comprises isoforms expressed in plasma membrane, primary cilium, and cytoplasm. Kidney International, 2004, 66, 1345-1355.	5.2	138
9	MARVEL, a Tool for Prediction of Bacteriophage Sequences in Metagenomic Bins. Frontiers in Genetics, 2018, 9, 304.	2.3	133
10	The contribution of 700,000 ORF sequence tags to the definition of the human transcriptome. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12103-12108.	7.1	123
11	Cyclic AMP and calcium interplay as second messengers in melatonin-dependent regulation of Plasmodium falciparum cell cycle. Journal of Cell Biology, 2005, 170, 551-557.	5.2	119
12	The generation and utilization of a cancer-oriented representation of the human transcriptome by using expressed sequence tags. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13418-13423.	7.1	105
13	Novel insights into the genomic basis of citrus canker based on the genome sequences of two strains of Xanthomonas fuscans subsp. aurantifolii. BMC Genomics, 2010, 11, 238.	2.8	102
14	Neutral trehalases catalyse intracellular trehalose breakdown in the filamentous fungi Aspergillus nidulans and Neurospora crassa. Molecular Microbiology, 1999, 32, 471-483.	2.5	101
15	Metagenomic Analysis of a Tropical Composting Operation at the SÃ£o Paulo Zoo Park Reveals Diversity of Biomass Degradation Functions and Organisms. PLoS ONE, 2013, 8, e61928.	2.5	91
16	Transcription Profiling of Signal Transduction-Related Genes in Sugarcane Tissues. DNA Research, 2005, 12, 27-38.	3.4	77
17	DNA Microarray-Based Genome Comparison of a Pathogenic and a Nonpathogenic Strain of Xylella fastidiosa Delineates Genes Important for Bacterial Virulence. Journal of Bacteriology, 2004, 186, 5442-5449.	2.2	74
18	Androgen responsive intronic non-coding RNAs. BMC Biology, 2007, 5, 4.	3.8	73

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19	Genome-Centric Analysis of a Thermophilic and Cellulolytic Bacterial Consortium Derived from Composting. Frontiers in Microbiology, 2017, 8, 644.	3.5	61
20	Nitric oxide stimulates tyrosine phosphorylation in murine fibroblasts in the absence and presence of epidermal growth factor. Biochemical Journal, 1995, 305, 613-619.	3.7	55
21	Large-scale Transcriptome Analyses Reveal New Genetic Marker Candidates of Head, Neck, and Thyroid Cancer. Cancer Research, 2005, 65, 1693-1699.	0.9	55
22	Proteomic and Metabolomic Analyses of Xylella fastidiosa OMV-Enriched Fractions Reveal Association with Virulence Factors and Signaling Molecules of the DSF Family. Phytopathology, 2019, 109, 1344-1353.	2.2	51
23	Xanthomonas citri T6SS mediates resistance to Dictyostelium predation and is regulated by an ECF Ïƒ factor and cognate Ser/Thr kinase. Environmental Microbiology, 2018, 20, 1562-1575.	3.8	47
24	Genetic Organization of Plasmid pXF51 from the Plant Pathogen Xylella fastidiosa. Plasmid, 2001, 45, 184-199.	1.4	45
25	The Iron Stimulon of Xylella fastidiosa Includes Genes for Type IV Pilus and Colicin V-Like Bacteriocins. Journal of Bacteriology, 2008, 190, 2368-2378.	2.2	44
26	Diffusible Signal Factor (DSF) Synthase RpfF of Xylella fastidiosa Is a Multifunction Protein Also Required for Response to DSF. Journal of Bacteriology, 2013, 195, 5273-5284.	2.2	41
27	Heat shock protein synthesis during development in Caulobacter crescentus. Journal of Bacteriology, 1986, 168, 923-930.	2.2	38
28	ESTWeb: bioinformatics services for EST sequencing projects. Bioinformatics, 2003, 19, 1587-1588.	4.1	36
29	Melatonin triggers PKA activation in the rodent malaria parasite Plasmodium chabaudi. Journal of Pineal Research, 2011, 50, 64-70.	7.4	35
30	Plasmid-mediated mcr-1 in carbapenem-susceptible Escherichia coli ST156 causing a blood infection: an unnoticeable spread of colistin resistance in Brazil?. Clinics, 2017, 72, 642-644.	1.5	35
31	Evidence that a glycolipid tail anchors antigen 117 to the plasma membrane of Dictyostelium discoideum cells.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 5512-5515.	7.1	34
32	A rapid posttranslational myristylation of a 68-kD protein in D. discoideum.. Journal of Cell Biology, 1990, 111, 401-407.	5.2	34
33	Three novel Pseudomonas phages isolated from composting provide insights into the evolution and diversity of tailed phages. BMC Genomics, 2017, 18, 346.	2.8	32
34	Bacterial Diversification in the Light of the Interactions with Phages: The Genetic Symbionts and Their Role in Ecological Speciation. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	32
35	RASL11A, member of a novel small monomeric GTPase gene family, is down-regulated in prostate tumors. Biochemical and Biophysical Research Communications, 2004, 316, 618-627.	2.1	29
36	Differential expression of heat-shock proteins and spontaneous synthesis of HSP70 during the life cycle of Blastocladiella emersonii. FEBS Journal, 1987, 163, 211-220.	0.2	27

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37	The sugarcane signal transduction (SUCAST) catalogue: prospecting signal transduction in sugarcane. Genetics and Molecular Biology, 2001, 24, 25-34.	1.3	26
38	Effects of the antimicrobial peptide gomesin on the global gene expression profile, virulence and biofilm formation ofXylella fastidiosa. FEMS Microbiology Letters, 2010, 306, 152-159.	1.8	25
39	Cell adhesion in transformed D. discoideum cells: Expression of gp80 and its biochemical characterization. Developmental Biology, 1990, 140, 139-148.	2.0	22
40	Phenotype Overlap in Xylella fastidiosa Is Controlled by the Cyclic Di-GMP Phosphodiesterase Eal in Response to Antibiotic Exposure and Diffusible Signal Factor-Mediated Cell-Cell Signaling. Applied and Environmental Microbiology, 2013, 79, 3444-3454.	3.1	22
41	Whole-Genome Expression Profiling ofXylella fastidiosain Response to Growth on Glucose. OMICS A Journal of Integrative Biology, 2005, 9, 77-90.	2.0	20
42	Characterization of novel hydrocarbon-degrading Gordonia paraffinivorans and Gordonia sihwensis strains isolated from composting. PLoS ONE, 2019, 14, e0215396.	2.5	19
43	Zerg: a very fast BLAST parser library. Bioinformatics, 2003, 19, 1035-1036.	4.1	17
44	Phosphorylation of ribosomal protein S6 in the aquatic fungus Blastocladiella emersonii. FEBS Journal, 1984, 144, 597-606.	0.2	16
45	Developmental changes in translatable RNA species and protein synthesis during sporulation in the aquatic fungus Blastocladiella emersonii. Cell Differentiation, 1986, 18, 263-274.	0.4	16
46	Changes in the pattern of protein synthesis during zoospore germination in Blastocladiella emersonii. Journal of Bacteriology, 1987, 169, 2069-2078.	2.2	16
47	Genome-resolved metagenome and metatranscriptome analyses of thermophilic composting reveal key bacterial players and their metabolic interactions. BMC Genomics, 2021, 22, 652.	2.8	16
48	Characterization of a glycosyl-phosphatidylinositol degrading activity in membranes. Experimental Cell Research, 1989, 185, 464-472.	2.6	14
49	Heterologous expression in Escherichia coli of Neurospora crassa neutral trehalase as an active enzyme. Protein Expression and Purification, 2009, 65, 185-189.	1.3	14
50	A ligand motif enables differential vascular targeting of endothelial junctions between brain and retina. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2300-2305.	7.1	14
51	Isolation and Molecular Characterization of a Novel Lytic Bacteriophage That Inactivates MDR Klebsiella pneumoniae Strains. Pharmaceutics, 2022, 14, 1421.	4.5	13
52	Characterization of mycobacteria and mycobacteriophages isolated from compost at the SÃ£o Paulo Zoo Park Foundation in Brazil and creation of the new mycobacteriophage Cluster U. BMC Microbiology, 2016, 16, 111.	3.3	12
53	A Tropical Composting Operation Unit at SÃ£o Paulo Zoo as a Source of Bacterial Proteolytic Enzymes. Applied Biochemistry and Biotechnology, 2019, 187, 282-297.	2.9	10
54	First report of cis-1,4-polyisoprene degradation by Gordonia paraffinivorans. Brazilian Journal of Microbiology, 2019, 50, 1051-1062.	2.0	9

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55	A comparative genomic analysis of Xanthomonas arboricola pv. juglandis strains reveal hallmarks of mobile genetic elements in the adaptation and accelerated evolution of virulence. Genomics, 2021, 113, 2513-2525.	2.9	9
56	Complete genome sequence and analysis of Alcaligenes faecalis strain Mc250, a new potential plant bioinoculant. PLoS ONE, 2020, 15, e0241546.	2.5	9
57	Genetic Diversity of Xylella fastidiosa Plasmids Assessed by Comparative Genomics. Tropical Plant Pathology, 2020, 45, 342-360.	1.5	8
58	Comparative Genomics of Xylella fastidiosa Explores Candidate Host-Specificity Determinants and Expands the Known Repertoire of Mobile Genetic Elements and Immunity Systems. Microorganisms, 2022, 10, 914.	3.6	8
59	Characterization andin vitrotesting of newly isolated lytic bacteriophages for theÂbiocontrol ofPseudomonas aeruginosa. Future Microbiology, 2022, 17, 111-141.	2.0	7
60	Dictyostelium discoideum protein phosphatase-1 catalytic subunit exhibits distinct biochemical properties. Biochemical Journal, 2003, 373, 703-711.	3.7	6
61	Xylella fastidiosa subsp. pauca Strains Fb7 and 9a5c from Citrus Display Differential Behavior, Secretome, and Plant Virulence. International Journal of Molecular Sciences, 2020, 21, 6769.	4.1	6
62	Isolation and characterization of vB_XciM_LucasX, a new jumbo phage that infects Xanthomonas citri and Xanthomonas fuscans. PLoS ONE, 2022, 17, e0266891.	2.5	5
63	Acquisition of thermotolerance during development of Blastocladieila emersonii. Biochemical and Biophysical Research Communications, 1987, 144, 491-498.	2.1	4
64	Biosynthesis of 117 antigen: A cell cohesion molecule inDictyostelium discoideum. Genesis, 1988, 9, 561-567.	2.1	4
65	Regulation of tubulin and actin synthesis and accumulation during Blastocladiella emersonii development. Cell Differentiation, 1988, 24, 45-54.	0.4	4
66	The P450 oxidoreductase, RedA, controls development beyond the mound stage in Dictyostelium discoideum. BMC Developmental Biology, 2008, 8, 8.	2.1	4
67	Development and validation of a Xanthomonas axonopodis pv. citri DNA microarray platform (XACarray) generated from the shotgun libraries previously used in the sequencing of this bacterial genome. BMC Research Notes, 2010, 3, 150.	1.4	3
68	High-Quality Draft Genome Sequence Resources of Eight Xylella fastidiosa Strains Isolated from Citrus, Coffee, Plum, and Hibiscus in South America. Phytopathology, 2020, 110, 1751-1755.	2.2	3
69	The XadA Trimeric Autotransporter Adhesins in Xylella fastidiosa Differentially Contribute to Cell Aggregation, Biofilm Formation, Insect Transmission and Virulence to Plants. Molecular Plant-Microbe Interactions, 2022, 35, 857-866.	2.6	3
70	Genomic Characterization of Bacillus safensis Isolated from Mine Tailings in Peru and Evaluation of Its Cyanide-Degrading Enzyme CynD. Applied and Environmental Microbiology, 2022, 88, .	3.1	3
71	Biochemical and functional characterization of a glycolipid anchored cell adhesion molecule in. Cell Biology International Reports, 1991, 15, 1065-1082.	0.6	2
72	Calcium uptake and gp80 messenger RNA destabilization follows cAMP receptor down regulation in Dictyostelium discoideum. Cellular Signalling, 1994, 6, 883-895.	3.6	2

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73	Identification and domain mapping of Dictyostelium discoideum type-1 protein phosphatase inhibitor-2â˜†. Biochimie, 2007, 89, 692-701.	2.6	2
74	Comparative Metagenomics. Methods in Molecular Biology, 2018, 1704, 243-260.	0.9	2
75	Effect of heat shock on S6 phosphorylation during the development of Blastocladiella emersonii. Molecular and Cellular Biochemistry, 1987, 78, 27-35.	3.1	1
76	High-Quality Draft Genome Sequence of Pantanalinema sp. GBBB05, a Cyanobacterium From Cerrado Biome. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	1
77	Microbiomes of Field-Grown Maize and Soybean in Southeastern and Central Brazil Inferred by High-Throughput 16S and Internal Transcribed Spacer Amplicon Sequencing. Microbiology Resource Announcements, 2021, 10, e0052821.	0.6	1
78	Where do we aspire to publish? A position paper on scientific communication in biochemistry and molecular biology. Brazilian Journal of Medical and Biological Research, 2019, 52, e8935.	1.5	1
79	Staurosporine induces tyrosine phosphorylation inDictyostelium discoideum proteins. Cell Biochemistry and Function, 2007, 25, 555-561.	2.9	0
80	BIOCHEMICAL AND FUNCTIONAL CHARACTERIZATION OF A GLYCOLIPID ANCHORED CELL ADHESION MOLECULE IN DICTYOSTELIUM DISCOIDEUM. , 1992, , 211-228.		0
81	CHAPTER 14: Iron as a Regulator of Virulence in Plant-Pathogenic Bacteria. , 0, , 263-283.		0
82	Diversity assessment of photosynthesizers: comparative analysis of pre-cultivated and natural microbiome of sediments from Cerrado biome in MaranhÃ£o, Brazil. Environmental Science and Pollution Research, 0, , .	5.3	0