

Aline Maria da Silva

List of Publications by Year in descending order

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82
papers

4,512
citations

136950

32
h-index

114465

63
g-index

86
all docs

86
docs citations

86
times ranked

5715
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and <i>in vitro</i> testing of newly isolated lytic bacteriophages for the biocontrol of <i>Pseudomonas aeruginosa</i> . <i>Future Microbiology</i> , 2022, 17, 111-141.	2.0	7
2	Isolation and characterization of vB_XciM_LucasX, a new jumbo phage that infects <i>Xanthomonas citri</i> and <i>Xanthomonas fuscans</i> . <i>PLoS ONE</i> , 2022, 17, e0266891.	2.5	5
3	Comparative Genomics of <i>Xylella fastidiosa</i> Explores Candidate Host-Specificity Determinants and Expands the Known Repertoire of Mobile Genetic Elements and Immunity Systems. <i>Microorganisms</i> , 2022, 10, 914.	3.6	8
4	The XadA Trimeric Autotransporter Adhesins in <i>Xylella fastidiosa</i> Differentially Contribute to Cell Aggregation, Biofilm Formation, Insect Transmission and Virulence to Plants. <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 857-866.	2.6	3
5	Genomic Characterization of <i>Bacillus safensis</i> Isolated from Mine Tailings in Peru and Evaluation of Its Cyanide-Degrading Enzyme CynD. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	3
6	Isolation and Molecular Characterization of a Novel Lytic Bacteriophage That Inactivates MDR <i>Klebsiella pneumoniae</i> Strains. <i>Pharmaceutics</i> , 2022, 14, 1421.	4.5	13
7	A genomic catalog of Earth's microbiomes. <i>Nature Biotechnology</i> , 2021, 39, 499-509.	17.5	457
8	High-Quality Draft Genome Sequence of <i>Pantanalinema</i> sp. GBBB05, a Cyanobacterium From Cerrado Biome. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	1
9	A comparative genomic analysis of <i>Xanthomonas arboricola</i> pv. <i>juglandis</i> strains reveal hallmarks of mobile genetic elements in the adaptation and accelerated evolution of virulence. <i>Genomics</i> , 2021, 113, 2513-2525.	2.9	9
10	Microbiomes of Field-Grown Maize and Soybean in Southeastern and Central Brazil Inferred by High-Throughput 16S and Internal Transcribed Spacer Amplicon Sequencing. <i>Microbiology Resource Announcements</i> , 2021, 10, e0052821.	0.6	1
11	Genome-resolved metagenome and metatranscriptome analyses of thermophilic composting reveal key bacterial players and their metabolic interactions. <i>BMC Genomics</i> , 2021, 22, 652.	2.8	16
12	<i>Xylella fastidiosa</i> subsp. <i>pauca</i> Strains Fb7 and 9a5c from Citrus Display Differential Behavior, Secretome, and Plant Virulence. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6769.	4.1	6
13	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
14	Genetic Diversity of <i>Xylella fastidiosa</i> Plasmids Assessed by Comparative Genomics. <i>Tropical Plant Pathology</i> , 2020, 45, 342-360.	1.5	8
15	Complete genome sequence and analysis of <i>Alcaligenes faecalis</i> strain Mc250, a new potential plant bioinoculant. <i>PLoS ONE</i> , 2020, 15, e0241546.	2.5	9
16	A Tropical Composting Operation Unit at São Paulo Zoo as a Source of Bacterial Proteolytic Enzymes. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 282-297.	2.9	10
17	First report of cis-1,4-polyisoprene degradation by <i>Gordonia paraffinivorans</i> . <i>Brazilian Journal of Microbiology</i> , 2019, 50, 1051-1062.	2.0	9
18	A ligand motif enables differential vascular targeting of endothelial junctions between brain and retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2300-2305.	7.1	14

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19	Characterization of novel hydrocarbon-degrading <i>Gordonia paraffinivorans</i> and <i>Gordonia sihwensis</i> strains isolated from composting. <i>PLoS ONE</i> , 2019, 14, e0215396.	2.5	19
20	Proteomic and Metabolomic Analyses of <i>Xylella fastidiosa</i> OMV-Enriched Fractions Reveal Association with Virulence Factors and Signaling Molecules of the DSF Family. <i>Phytopathology</i> , 2019, 109, 1344-1353.	2.2	51
21	Where do we aspire to publish? A position paper on scientific communication in biochemistry and molecular biology. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8935.	1.5	1
22	<i>Xanthomonas citri</i> T6SS mediates resistance to <i>Dictyostelium</i> predation and is regulated by an ECF σ factor and cognate Ser/Thr kinase. <i>Environmental Microbiology</i> , 2018, 20, 1562-1575.	3.8	47
23	Comparative Metagenomics. <i>Methods in Molecular Biology</i> , 2018, 1704, 243-260.	0.9	2
24	MARVEL, a Tool for Prediction of Bacteriophage Sequences in Metagenomic Bins. <i>Frontiers in Genetics</i> , 2018, 9, 304.	2.3	133
25	Bacterial Diversification in the Light of the Interactions with Phages: The Genetic Symbionts and Their Role in Ecological Speciation. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	32
26	Three novel <i>Pseudomonas</i> phages isolated from composting provide insights into the evolution and diversity of tailed phages. <i>BMC Genomics</i> , 2017, 18, 346.	2.8	32
27	Genome-Centric Analysis of a Thermophilic and Cellulolytic Bacterial Consortium Derived from Composting. <i>Frontiers in Microbiology</i> , 2017, 8, 644.	3.5	61
28	Plasmid-mediated <i>mcr-1</i> in carbapenem-susceptible <i>Escherichia coli</i> ST156 causing a blood infection: an unnoticeable spread of colistin resistance in Brazil?. <i>Clinics</i> , 2017, 72, 642-644.	1.5	35
29	Characterization of mycobacteria and mycobacteriophages isolated from compost at the São Paulo Zoo Park Foundation in Brazil and creation of the new mycobacteriophage Cluster U. <i>BMC Microbiology</i> , 2016, 16, 111.	3.3	12
30	Microbial community structure and dynamics in thermophilic composting viewed through metagenomics and metatranscriptomics. <i>Scientific Reports</i> , 2016, 6, 38915.	3.3	183
31	<i>Xylella fastidiosa</i> outer membrane vesicles modulate plant colonization by blocking attachment to surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3910-8.	7.1	143
32	Diffusible Signal Factor (DSF) Synthase RpfF of <i>Xylella fastidiosa</i> Is a Multifunction Protein Also Required for Response to DSF. <i>Journal of Bacteriology</i> , 2013, 195, 5273-5284.	2.2	41
33	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
34	Metagenomic Analysis of a Tropical Composting Operation at the São Paulo Zoo Park Reveals Diversity of Biomass Degradation Functions and Organisms. <i>PLoS ONE</i> , 2013, 8, e61928.	2.5	91
35	Melatonin triggers PKA activation in the rodent malaria parasite <i>Plasmodium chabaudi</i> . <i>Journal of Pineal Research</i> , 2011, 50, 64-70.	7.4	35
36	Novel insights into the genomic basis of citrus canker based on the genome sequences of two strains of <i>Xanthomonas fuscans</i> subsp. <i>aurantifolii</i> . <i>BMC Genomics</i> , 2010, 11, 238.	2.8	102

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37	Development and validation of a <i>Xanthomonas axonopodis</i> pv. <i>citri</i> DNA microarray platform (XACarray) generated from the shotgun libraries previously used in the sequencing of this bacterial genome. <i>BMC Research Notes</i> , 2010, 3, 150.	1.4	3
38	Effects of the antimicrobial peptide gomesin on the global gene expression profile, virulence and biofilm formation of <i>Xylella fastidiosa</i> . <i>FEMS Microbiology Letters</i> , 2010, 306, 152-159.	1.8	25
39	Heterologous expression in <i>Escherichia coli</i> of <i>Neurospora crassa</i> neutral trehalase as an active enzyme. <i>Protein Expression and Purification</i> , 2009, 65, 185-189.	1.3	14
40	The P450 oxidoreductase, RedA, controls development beyond the mound stage in <i>Dictyostelium discoideum</i> . <i>BMC Developmental Biology</i> , 2008, 8, 8.	2.1	4
41	The Iron Stimulon of <i>Xylella fastidiosa</i> Includes Genes for Type IV Pilus and Colicin V-Like Bacteriocins. <i>Journal of Bacteriology</i> , 2008, 190, 2368-2378.	2.2	44
42	Identification and domain mapping of <i>Dictyostelium discoideum</i> type-1 protein phosphatase inhibitor-2 α . <i>Biochimie</i> , 2007, 89, 692-701.	2.6	2
43	Genome mapping and expression analyses of human intronic noncoding RNAs reveal tissue-specific patterns and enrichment in genes related to regulation of transcription. <i>Genome Biology</i> , 2007, 8, R43.	9.6	209
44	Staurosporine induces tyrosine phosphorylation in <i>Dictyostelium discoideum</i> proteins. <i>Cell Biochemistry and Function</i> , 2007, 25, 555-561.	2.9	0
45	Androgen responsive intronic non-coding RNAs. <i>BMC Biology</i> , 2007, 5, 4.	3.8	73
46	Transcription Profiling of Signal Transduction-Related Genes in Sugarcane Tissues. <i>DNA Research</i> , 2005, 12, 27-38.	3.4	77
47	Cyclic AMP and calcium interplay as second messengers in melatonin-dependent regulation of <i>Plasmodium falciparum</i> cell cycle. <i>Journal of Cell Biology</i> , 2005, 170, 551-557.	5.2	119
48	Large-scale Transcriptome Analyses Reveal New Genetic Marker Candidates of Head, Neck, and Thyroid Cancer. <i>Cancer Research</i> , 2005, 65, 1693-1699.	0.9	55
49	Whole-Genome Expression Profiling of <i>Xylella fastidiosa</i> in Response to Growth on Glucose. <i>OMICS A Journal of Integrative Biology</i> , 2005, 9, 77-90.	2.0	20
50	DNA Microarray-Based Genome Comparison of a Pathogenic and a Nonpathogenic Strain of <i>Xylella fastidiosa</i> Delineates Genes Important for Bacterial Virulence. <i>Journal of Bacteriology</i> , 2004, 186, 5442-5449.	2.2	74
51	Polyductin, the PKHD1 gene product, comprises isoforms expressed in plasma membrane, primary cilium, and cytoplasm. <i>Kidney International</i> , 2004, 66, 1345-1355.	5.2	138
52	Antisense intronic non-coding RNA levels correlate to the degree of tumor differentiation in prostate cancer. <i>Oncogene</i> , 2004, 23, 6684-6692.	5.9	150
53	RASL11A, member of a novel small monomeric GTPase gene family, is down-regulated in prostate tumors. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 618-627.	2.1	29
54	Analysis and Functional Annotation of an Expressed Sequence Tag Collection for Tropical Crop Sugarcane. <i>Genome Research</i> , 2003, 13, 2725-2735.	5.5	254

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55	Zerg: a very fast BLAST parser library. <i>Bioinformatics</i> , 2003, 19, 1035-1036.	4.1	17
56	The generation and utilization of a cancer-oriented representation of the human transcriptome by using expressed sequence tags. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13418-13423.	7.1	105
57	ESTWeb: bioinformatics services for EST sequencing projects. <i>Bioinformatics</i> , 2003, 19, 1587-1588.	4.1	36
58	<i>Dictyostelium discoideum</i> protein phosphatase-1 catalytic subunit exhibits distinct biochemical properties. <i>Biochemical Journal</i> , 2003, 373, 703-711.	3.7	6
59	Genetic Organization of Plasmid pXF51 from the Plant Pathogen <i>Xylella fastidiosa</i> . <i>Plasmid</i> , 2001, 45, 184-199.	1.4	45
60	The contribution of 700,000 ORF sequence tags to the definition of the human transcriptome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12103-12108.	7.1	123
61	The sugarcane signal transduction (SUCAST) catalogue: prospecting signal transduction in sugarcane. <i>Genetics and Molecular Biology</i> , 2001, 24, 25-34.	1.3	26
62	The genome sequence of the plant pathogen <i>Xylella fastidiosa</i> . <i>Nature</i> , 2000, 406, 151-157.	27.8	827
63	Neutral trehalases catalyse intracellular trehalose breakdown in the filamentous fungi <i>Aspergillus nidulans</i> and <i>Neurospora crassa</i> . <i>Molecular Microbiology</i> , 1999, 32, 471-483.	2.5	101
64	Nitric oxide stimulates tyrosine phosphorylation in murine fibroblasts in the absence and presence of epidermal growth factor. <i>Biochemical Journal</i> , 1995, 305, 613-619.	3.7	55
65	Calcium uptake and gp80 messenger RNA destabilization follows cAMP receptor down regulation in <i>Dictyostelium discoideum</i> . <i>Cellular Signalling</i> , 1994, 6, 883-895.	3.6	2
66	BIOCHEMICAL AND FUNCTIONAL CHARACTERIZATION OF A GLYCOLIPID ANCHORED CELL ADHESION MOLECULE IN <i>Dictyostelium discoideum</i> . , 1992, , 211-228.		0
67	Biochemical and functional characterization of a glycolipid anchored cell adhesion molecule in. <i>Cell Biology International Reports</i> , 1991, 15, 1065-1082.	0.6	2
68	A rapid posttranslational myristylation of a 68-kD protein in <i>D. discoideum</i> .. <i>Journal of Cell Biology</i> , 1990, 111, 401-407.	5.2	34
69	Cell adhesion in transformed <i>D. discoideum</i> cells: Expression of gp80 and its biochemical characterization. <i>Developmental Biology</i> , 1990, 140, 139-148.	2.0	22
70	Characterization of a glycosyl-phosphatidylinositol degrading activity in membranes. <i>Experimental Cell Research</i> , 1989, 185, 464-472.	2.6	14
71	Biosynthesis of 117 antigen: A cell cohesion molecule in <i>Dictyostelium discoideum</i> . <i>Genesis</i> , 1988, 9, 561-567.	2.1	4
72	Regulation of tubulin and actin synthesis and accumulation during <i>Blastocladiella emersonii</i> development. <i>Cell Differentiation</i> , 1988, 24, 45-54.	0.4	4

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73	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
74	Acquisition of thermotolerance during development of Blastocladiella emersonii. Biochemical and Biophysical Research Communications, 1987, 144, 491-498.	2.1	4
75	Changes in the pattern of protein synthesis during zoospore germination in Blastocladiella emersonii. Journal of Bacteriology, 1987, 169, 2069-2078.	2.2	16
76	Effect of heat shock on S6 phosphorylation during the development of Blastocladiella emersonii. Molecular and Cellular Biochemistry, 1987, 78, 27-35.	3.1	1
77	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
78	Heat shock protein synthesis during development in Caulobacter crescentus. Journal of Bacteriology, 1986, 168, 923-930.	2.2	38
79	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
80	Phosphorylation of ribosomal protein S6 in the aquatic fungus Blastocladiella emersonii. FEBS Journal, 1984, 144, 597-606.	0.2	16
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 Maranhão, Brazil. Environmental Science and Pollution Research, 0, , .	5.3	0