

Suely L Gomes

List of Publications by Year in descending order

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90
papers

4,649
citations

172386

29
h-index

106281

65
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92
all docs

92
docs citations

92
times ranked

5335
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Sequence of <i>Aedes aegypti</i> , a Major Arbovirus Vector. <i>Science</i> , 2007, 316, 1718-1723.	6.0	1,025
2	The genome sequence of the plant pathogen <i>Xylella fastidiosa</i> . <i>Nature</i> , 2000, 406, 151-157.	13.7	827
3	Analysis and Functional Annotation of an Expressed Sequence Tag Collection for Tropical Crop Sugarcane. <i>Genome Research</i> , 2003, 13, 2725-2735.	2.4	254
4	A Rhodopsin-Guanylyl Cyclase Gene Fusion Functions in Visual Perception in a Fungus. <i>Current Biology</i> , 2014, 24, 1234-1240.	1.8	134
5	GroES/GroEL and DnaK/DnaJ Have Distinct Roles in Stress Responses and during Cell Cycle Progression in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2006, 188, 8044-8053.	1.0	130
6	Identification of a <i>Caulobacter crescentus</i> operon encoding <i>hrcA</i> , involved in negatively regulating heat-inducible transcription, and the chaperone gene <i>grpE</i> . <i>Journal of Bacteriology</i> , 1996, 178, 1829-1841.	1.0	126
7	Expression of the <i>Caulobacter</i> heat shock gene <i>dnaK</i> is developmentally controlled during growth at normal temperatures. <i>Journal of Bacteriology</i> , 1990, 172, 3051-3059.	1.0	102
8	Differential expression and positioning of chemotaxis methylation proteins in <i>Caulobacter</i> . <i>Journal of Molecular Biology</i> , 1984, 178, 551-568.	2.0	101
9	The ECF sigma factor σ^{T} is involved in osmotic and oxidative stress responses in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2007, 66, 1240-1255.	1.2	96
10	A two-component system, an anti-sigma factor and two paralogous ECF sigma factors are involved in the control of general stress response in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2011, 80, 1598-1612.	1.2	81
11	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.	1.0	74
12	Investigation of 5-Nitrofurán Derivatives: Synthesis, Antibacterial Activity, and Quantitative Structure-Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 3673-3681.	2.9	59
13	BayGO: Bayesian analysis of ontology term enrichment in microarray data. <i>BMC Bioinformatics</i> , 2006, 7, 86.	1.2	56
14	Oxidative damage to ferritin by 5-aminolevulinic acid. <i>Archives of Biochemistry and Biophysics</i> , 2003, 409, 349-356.	1.4	53
15	A <i>Caulobacter crescentus</i> Extracytoplasmic Function Sigma Factor Mediating the Response to Oxidative Stress in Stationary Phase. <i>Journal of Bacteriology</i> , 2006, 188, 1835-1846.	1.0	51
16	Effect of acute heat stress on heat shock protein 70 messenger RNA and on heat shock protein expression in the liver of broilers. <i>British Poultry Science</i> , 1996, 37, 443-449.	0.8	50
17	Genetic Organization of Plasmid pXF51 from the Plant Pathogen <i>Xylella fastidiosa</i> . <i>Plasmid</i> , 2001, 45, 184-199.	0.4	45
18	Expression of the <i>groESL</i> operon is cell-cycle controlled in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 1996, 19, 79-89.	1.2	42

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19	The GATA-type transcriptional activator Gat1 regulates nitrogen uptake and metabolism in the human pathogen <i>Cryptococcus neoformans</i> . <i>Fungal Genetics and Biology</i> , 2011, 48, 192-199.	0.9	42
20	GENERAL NONCHEMOTACTIC MUTANTS OF <i>CAULOBACTER CRESCENTUS</i> . <i>Genetics</i> , 1986, 114, 717-730.	1.2	41
21	Regulation of the <i>Caulobacter crescentus</i> dnaKJ operon. <i>Journal of Bacteriology</i> , 1995, 177, 3479-3484.	1.0	39
22	The transcriptional response to cadmium, organic hydroperoxide, singlet oxygen and UV-A mediated by the σ^E -ChrR system in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2009, 72, 1159-1170.	1.2	39
23	Heat shock protein synthesis during development in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 1986, 168, 923-930.	1.0	38
24	Evaluation of Monocot and Eudicot Divergence Using the Sugarcane Transcriptome. <i>Plant Physiology</i> , 2004, 134, 951-959.	2.3	38
25	Evidence of a Ca^{2+} -NO-cGMP signaling pathway controlling zoospore biogenesis in the aquatic fungus <i>Blastocladiella emersonii</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 575-584.	0.9	38
26	Global Gene Expression Analysis of the Heat Shock Response in the Phytopathogen <i>Xylella fastidiosa</i> . <i>Journal of Bacteriology</i> , 2006, 188, 5821-5830.	1.0	37
27	A calcium-dependent protein activator of mammalian cyclic nucleotide phosphodiesterase from <i>Blastocladiella emersonii</i> . <i>FEBS Letters</i> , 1979, 99, 39-42.	1.3	36
28	A unique intron-containing hsp70 gene induced by heat shock and during sporulation in the aquatic fungus <i>Blastocladiella emersonii</i> . <i>Gene</i> , 1995, 152, 19-26.	1.0	34
29	The CIRCE Element and Its Putative Repressor Control Cell Cycle Expression of the <i>Caulobacter crescentus</i> groESL Operon. <i>Journal of Bacteriology</i> , 1998, 180, 1632-1641.	1.0	34
30	Adenylate cyclase activity and cyclic AMP metabolism during cytodifferentiation of <i>blastocladiella emersonii</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1978, 541, 190-198.	1.1	33
31	Differential localization of membrane receptor chemotaxis proteins in the <i>Caulobacter</i> predivisional cell. <i>Journal of Molecular Biology</i> , 1986, 191, 433-440.	2.0	32
32	Downregulation of the heat shock response is independent of DnaK and σ^{32} levels in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2003, 49, 541-553.	1.2	31
33	Analysis of the pleiotropic regulation of flagellar and chemotaxis gene expression in <i>Caulobacter crescentus</i> by using plasmid complementation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 1341-1345.	3.3	30
34	An alkB gene homolog is differentially transcribed during the <i>Caulobacter crescentus</i> cell cycle. <i>Journal of Bacteriology</i> , 1997, 179, 3139-3145.	1.0	29
35	Transcriptome Analysis in Response to Heat Shock and Cadmium in the Aquatic Fungus <i>Blastocladiella emersonii</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1053-1062.	3.4	29
36	Extracytoplasmic function (ECF) sigma factor σ^{32} is involved in <i>Caulobacter crescentus</i> response to heavy metal stress. <i>BMC Microbiology</i> , 2012, 12, 210.	1.3	29

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37	Differential expression of heat-shock proteins and spontaneous synthesis of HSP70 during the life cycle of <i>Blastocladiella emersonii</i> . <i>FEBS Journal</i> , 1987, 163, 211-220.	0.2	27
38	The Single Extracytoplasmic-Function Sigma Factor of <i>Xylella fastidiosa</i> Is Involved in the Heat Shock Response and Presents an Unusual Regulatory Mechanism. <i>Journal of Bacteriology</i> , 2007, 189, 551-560.	1.0	27
39	Transient cyclic AMP accumulation in germinating zoospores of <i>Blastocladiella emersonii</i> . <i>FEBS Letters</i> , 1976, 67, 189-192.	1.3	25
40	Cloning and characterization of the gene for the catalytic subunit of cAMP-dependent protein kinase in the aquatic fungus <i>Blastocladiella emersonii</i> . <i>FEBS Journal</i> , 1994, 219, 555-562.	0.2	25
41	Temporal and Spatial Control of Flagellar and Chemotaxis Gene Expression during <i>Caulobacter</i> Cell Differentiation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1985, 50, 831-840.	2.0	23
42	Isolation and characterisation of cAMP-dependent protein kinase from <i>Candida albicans</i> . Purification of the regulatory and catalytic subunits. <i>FEBS Journal</i> , 1998, 252, 245-252.	0.2	21
43	Gene Discovery and Expression Profile Analysis through Sequencing of Expressed Sequence Tags from Different Developmental Stages of the Chytridiomycete <i>Blastocladiella emersonii</i> . <i>Eukaryotic Cell</i> , 2005, 4, 455-464.	3.4	21
44	Induction of <i>blastocladiella emersonii</i> germination by cyclic adenosine-3', 5'-monophosphate. <i>Cell Differentiation</i> , 1980, 9, 169-179.	1.3	20
45	Calcium efflux during germination of <i>Blastocladiella emersonii</i> . <i>Developmental Biology</i> , 1980, 77, 157-166.	0.9	20
46	Coordinate pretranslational control of cAMP-dependent protein kinase subunit expression during development in the water mold <i>Blastocladiella emersonii</i> . <i>Developmental Biology</i> , 1992, 149, 432-439.	0.9	20
47	Studies on the adenosine 3',5'-monophosphate-dependent protein kinase of <i>Blastocladiella emersonii</i> . <i>Archives of Biochemistry and Biophysics</i> , 1982, 217, 295-304.	1.4	19
48	A gene coding for a putative sigma 54 activator is developmentally regulated in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 1997, 179, 5502-5510.	1.0	19
49	Site-directed gene disruption in <i>Xylella fastidiosa</i> . <i>FEMS Microbiology Letters</i> , 2002, 210, 105-110.	0.7	19
50	Role of σ 54 in the regulation of genes involved in type I and type IV pili biogenesis in <i>Xylella fastidiosa</i> . <i>Archives of Microbiology</i> , 2008, 189, 249-261.	1.0	19
51	A Cyclic GMP-Dependent K ⁺ Channel in the Blastocladiomycete Fungus <i>Blastocladiella emersonii</i> . <i>Eukaryotic Cell</i> , 2015, 14, 958-963.	3.4	19
52	Structure, Expression, and Functional Analysis of the Gene Coding for Calmodulin in the Chytridiomycete <i>Blastocladiella emersonii</i> . <i>Journal of Bacteriology</i> , 2001, 183, 2280-2288.	1.0	18
53	Independent cAMP and cGMP phosphodiesterases in <i>Blastocladiella emersonii</i> . <i>FEBS Letters</i> , 1975, 56, 332-336.	1.3	17
54	Separation of temporal control and trans-acting modulation of flagellin and chemotaxis genes in <i>Caulobacter</i> . <i>Molecular Genetics and Genomics</i> , 1987, 206, 300-306.	2.4	17

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55	A P-type ATPase from the aquatic fungus <i>Blastocladiella emersonii</i> similar to animal Na,K-ATPases. <i>BBA - Proteins and Proteomics</i> , 1998, 1383, 183-187.	2.1	17
56	Functional and Structural Analysis of HrcA Repressor Protein from <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 6759-6767.	1.0	17
57	Cells lacking ClpB display a prolonged shutoff phase of the heat shock response in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2005, 57, 592-603.	1.2	17
58	Comparative expression analysis of members of the Hsp70 family in the chytridiomycete <i>Blastocladiella emersonii</i> . <i>Gene</i> , 2007, 386, 24-34.	1.0	17
59	Characterization and expression of two genes encoding isoforms of a putative Na, K-ATPase in the chytridiomycete <i>Blastocladiella emersonii</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1576, 59-69.	2.4	16
60	A comprehensive genomic, transcriptomic and proteomic analysis of a hyperosmotic stress sensitive α -proteobacterium. <i>BMC Microbiology</i> , 2015, 15, 71.	1.3	16
61	Global Gene Expression Analysis during Sporulation of the Aquatic Fungus <i>Blastocladiella emersonii</i> . <i>Eukaryotic Cell</i> , 2010, 9, 415-423.	3.4	15
62	The mitochondrial view of <i>Blastocladiella emersonii</i> . <i>Gene</i> , 2008, 424, 33-39.	1.0	14
63	Environmental stresses inhibit splicing in the aquatic fungus <i>Blastocladiella emersonii</i> . <i>BMC Microbiology</i> , 2009, 9, 231.	1.3	13
64	Evolutionary conservation of a core fungal phosphate homeostasis pathway coupled to development in <i>Blastocladiella emersonii</i> . <i>Fungal Genetics and Biology</i> , 2018, 115, 20-32.	0.9	13
65	A light-sensing system in the common ancestor of the fungi. <i>Current Biology</i> , 2022, 32, 3146-3153.e3.	1.8	13
66	Expression of genes encoding cytosolic and endoplasmic reticulum HSP90 proteins in the aquatic fungus <i>Blastocladiella emersonii</i> . <i>Gene</i> , 2008, 411, 59-68.	1.0	12
67	Differential effects of manganese ions on <i>Blastocladiella emersonii</i> adenylate cyclase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1979, 567, 257-264.	1.4	11
68	Developmental regulation of expression of the regulatory subunit of the cAMP-dependent protein kinase of <i>Blastocladiella emersonii</i> . <i>FEBS Journal</i> , 1989, 178, 803-810.	0.2	11
69	Global gene expression under nitrogen starvation in <i>Xylella fastidiosa</i> : contribution of the β 54 regulon. <i>BMC Microbiology</i> , 2010, 10, 231.	1.3	11
70	Comparative EST analysis provides insights into the basal aquatic fungus <i>Blastocladiella emersonii</i> . <i>BMC Genomics</i> , 2006, 7, 177.	1.2	10
71	Global Gene Expression Analysis during Germination in the Chytridiomycete <i>Blastocladiella emersonii</i> . <i>Eukaryotic Cell</i> , 2009, 8, 170-180.	3.4	10
72	Mitochondrial alternative oxidase is determinant for growth and sporulation in the early diverging fungus <i>Blastocladiella emersonii</i> . <i>Fungal Biology</i> , 2019, 123, 59-65.	1.1	10

