Suely L Gomes

List of Publications by Year
in descending order

90 papers	4,649 citations	172457 29 h-index	106344 65 g-index
92 all docs	92 docs citations	92 times ranked	5335 citing authors

#	Article	IF	Citations
1	Genome Sequence of Aedes aegypti, a Major Arbovirus Vector. Science, 2007, 316, 1718-1723.	12.6	1,025
2	The genome sequence of the plant pathogen Xylella fastidiosa. Nature, 2000, 406, 151-157.	27.8	827
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	A Rhodopsin-Guanylyl Cyclase Gene Fusion Functions in Visual Perception in a Fungus. Current Biology, 2014, 24, 1234-1240.	3.9	134
5	GroES/GroEL and DnaK/DnaJ Have Distinct Roles in Stress Responses and during Cell Cycle Progression in Caulobacter crescentus. Journal of Bacteriology, 2006, 188, 8044-8053.	2.2	130
6	Identification of a Caulobacter crescentus operon encoding hrcA, involved in negatively regulating heat-inducible transcription, and the chaperone gene grpE. Journal of Bacteriology, 1996, 178, 1829-1841.	2.2	126
7	Expression of the Caulobacter heat shock gene dnaK is developmentally controlled during growth at normal temperatures. Journal of Bacteriology, 1990, 172, 3051-3059.	2.2	102
8	Differential expression and positioning of chemotaxis methylation proteins in Caulobacter. Journal of Molecular Biology, 1984, 178, 551-568.	4.2	101
9	The ECF sigma factor Ïƒ^T is involved in osmotic and oxidative stress responses in <i>Caulobacter crescentus</i>. Molecular Microbiology, 2007, 66, 1240-1255.	2.5	96
10	A twoâ€component system, an antiâ€sigma factor and two paralogous ECF sigma factors are involved in the control of general stress response in <i>Caulobacter crescentus</i>. Molecular Microbiology, 2011, 80, 1598-1612.	2.5	81
11	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
12	Investigation of 5-Nitrofuran Derivatives:Â Synthesis, Antibacterial Activity, and Quantitative Structureâˆ'Activity Relationships. Journal of Medicinal Chemistry, 2001, 44, 3673-3681.	6.4	59
13	BayGO: Bayesian analysis of ontology term enrichment in microarray data. BMC Bioinformatics, 2006, 7, 86.	2.6	56
14	Oxidative damage to ferritin by 5-aminolevulinic acid. Archives of Biochemistry and Biophysics, 2003, 409, 349-356.	3.0	53
15	A Caulobacter crescentus Extracytoplasmic Function Sigma Factor Mediating the Response to Oxidative Stress in Stationary Phase. Journal of Bacteriology, 2006, 188, 1835-1846.	2.2	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. British Poultry Science, 1996, 37, 443-449.	1.7	50
17	Genetic Organization of Plasmid pXF51 from the Plant Pathogen Xylella fastidiosa. Plasmid, 2001, 45, 184-199.	1.4	45
18	Expression of the groESL operon is cell-cycle controlled in Caulobacter crescentus. Molecular Microbiology, 1996, 19, 79-89.	2.5	42

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19	The GATA-type transcriptional activator Gat1 regulates nitrogen uptake and metabolism in the human pathogen Cryptococcus neoformans. Fungal Genetics and Biology, 2011, 48, 192-199.	2.1	42
20	GENERAL NONCHEMOTACTIC MUTANTS OF <i>CAULOBACTER CRESCENTUS</i>. Genetics, 1986, 114, 717-730.	2.9	41
21	Regulation of the Caulobacter crescentus dnaKJ operon. Journal of Bacteriology, 1995, 177, 3479-3484.	2.2	39
22	The transcriptional response to cadmium, organic hydroperoxide, singlet oxygen and UVâ€A mediated by the Ïƒ^Eâ€"ChrR system in <i>Caulobacter crescentus</i>. Molecular Microbiology, 2009, 72, 1159-1170.	2.5	39
23	Heat shock protein synthesis during development in Caulobacter crescentus. Journal of Bacteriology, 1986, 168, 923-930.	2.2	38
24	Evaluation of Monocot and Eudicot Divergence Using the Sugarcane Transcriptome. Plant Physiology, 2004, 134, 951-959.	4.8	38
25	Evidence of a Ca2+- NO-cGMP signaling pathway controlling zoospore biogenesis in the aquatic fungus Blastocladiella emersonii. Fungal Genetics and Biology, 2009, 46, 575-584.	2.1	38
26	Global Gene Expression Analysis of the Heat Shock Response in the Phytopathogen Xylella fastidiosa. Journal of Bacteriology, 2006, 188, 5821-5830.	2.2	37
27	A calcium-dependent protein activator of mammalian cyclic nucleotide phosphodiesterase fromBlastocladiella emersonii. FEBS Letters, 1979, 99, 39-42.	2.8	36
28	A unique intron-containing hsp70 gene induced by heat shock and during sporulation in the aquatic fungus Blastocladiella emersonii. Gene, 1995, 152, 19-26.	2.2	34
29	The CIRCE Element and Its Putative Repressor Control Cell Cycle Expression of the Caulobacter crescentus groESL Operon. Journal of Bacteriology, 1998, 180, 1632-1641.	2.2	34
30	Adenylate cyclase activity and cyclic AMP metabolism during cytodifferentiation of blastocladiella emersonii. Biochimica Et Biophysica Acta - General Subjects, 1978, 541, 190-198.	2.4	33
31	Differential localization of membrane receptor chemotaxis proteins in the Caulobacter predivisional cell. Journal of Molecular Biology, 1986, 191, 433-440.	4.2	32
32	Downregulation of the heat shock response is independent of DnaK and Ïƒ32 levels in Caulobacter crescentus. Molecular Microbiology, 2003, 49, 541-553.	2.5	31
33	Analysis of the pleiotropic regulation of flagellar and chemotaxis gene expression in Caulobacter crescentus by using plasmid complementation.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 1341-1345.	7.1	30
34	An alkB gene homolog is differentially transcribed during the Caulobacter crescentus cell cycle. Journal of Bacteriology, 1997, 179, 3139-3145.	2.2	29
35	Transcriptome Analysis in Response to Heat Shock and Cadmium in the Aquatic Fungus Blastocladiella emersonii. Eukaryotic Cell, 2007, 6, 1053-1062.	3.4	29
36	Extracytoplasmic function (ECF) sigma factor ÏƒF is involved in Caulobacter crescentus response to heavy metal stress. BMC Microbiology, 2012, 12, 210.	3.3	29

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37	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
38	The Single Extracytoplasmic-Function Sigma Factor of Xylella fastidiosa Is Involved in the Heat Shock Response and Presents an Unusual Regulatory Mechanism. Journal of Bacteriology, 2007, 189, 551-560.	2.2	27
39	Transient cyclic AMP accumulation in germinating zoospores ofBlastocladiella emersonii. FEBS Letters, 1976, 67, 189-192.	2.8	25
40	Cloning and characterization of the gene for the catalytic subunit of cAMP-dependent protein kinase in the aquatic fungus Blastocladiella emersonii. FEBS Journal, 1994, 219, 555-562.	0.2	25
41	Temporal and Spatial Control of Flagellar and Chemotaxis Gene Expression during Caulobacter Cell Differentiation. Cold Spring Harbor Symposia on Quantitative Biology, 1985, 50, 831-840.	1.1	23
42	Isolation and characterisation of cAMP-dependent protein kinase from Candida albicans . Purification of the regulatory and catalytic subunits. FEBS Journal, 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 Blastocladiella emersonii. Eukaryotic Cell, 2005, 4, 455-464.	3.4	21
44	Induction of blastocladiella emersonii germination by cyclic adenosine-3â€², 5â€²-monophosphate. Cell Differentiation, 1980, 9, 169-179.	0.4	20
45	Calcium efflux during germination ofBlastocladiella emersonii. Developmental Biology, 1980, 77, 157-166.	2.0	20
46	Coordinate pretranslational control of cAMP-dependent protein kinase subunit expression during development in the water mold Blastocladiella emersonii. Developmental Biology, 1992, 149, 432-439.	2.0	20
47	Studies on the adenosine 3â€²,5â€²-monophosphate-dependent protein kinase of Blastocladiella emersonii. Archives of Biochemistry and Biophysics, 1982, 217, 295-304.	3.0	19
48	A gene coding for a putative sigma 54 activator is developmentally regulated in Caulobacter crescentus. Journal of Bacteriology, 1997, 179, 5502-5510.	2.2	19
49	Site-directed gene disruption inXylella fastidiosa. FEMS Microbiology Letters, 2002, 210, 105-110.	1.8	19
50	Role of Ïƒ54 in the regulation of genes involved in type I and type IV pili biogenesis in Xylella fastidiosa. Archives of Microbiology, 2008, 189, 249-261.	2.2	19
51	A Cyclic GMP-Dependent K ⁺ Channel in the Blastocladiomycete Fungus Blastocladiella emersonii. Eukaryotic Cell, 2015, 14, 958-963.	3.4	19
52	Structure, Expression, and Functional Analysis of the Gene Coding for Calmodulin in the Chytridiomycete Blastocladiella emersonii. Journal of Bacteriology, 2001, 183, 2280-2288.	2.2	18
53	Independent cAMP and cGMP phosphodiesterases in Blastocladiella emersonii. FEBS Letters, 1975, 56, 332-336.	2.8	17
54	Separation of temporal control and trans-acting modulation of flagellin and chemotaxis genes in Caulobacter. Molecular Genetics and Genomics, 1987, 206, 300-306.	2.4	17

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55	A P-type ATPase from the aquatic fungus Blastocladiella emersonii similar to animal Na,K-ATPases. BBA - Proteins and Proteomics, 1998, 1383, 183-187.	2.1	17
56	Functional and Structural Analysis of HrcA Repressor Protein from Caulobacter crescentus. Journal of Bacteriology, 2004, 186, 6759-6767.	2.2	17
57	Cells lacking ClpB display a prolonged shutoff phase of the heat shock response inCaulobacter crescentus. Molecular Microbiology, 2005, 57, 592-603.	2.5	17
58	Comparative expression analysis of members of the Hsp70 family in the chytridiomycete Blastocladiella emersonii. Gene, 2007, 386, 24-34.	2.2	17
59	Characterization and expression of two genes encoding isoforms of a putative Na, K-ATPase in the chytridiomycete Blastocladiella emersonii. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1576, 59-69.	2.4	16
60	A comprehensive genomic, transcriptomic and proteomic analysis of a hyperosmotic stress sensitive Î±-proteobacterium. BMC Microbiology, 2015, 15, 71.	3.3	16
61	Global Gene Expression Analysis during Sporulation of the Aquatic Fungus Blastocladiella emersonii. Eukaryotic Cell, 2010, 9, 415-423.	3.4	15
62	The mitochondrial view of Blastocladiella emersonii. Gene, 2008, 424, 33-39.	2.2	14
63	Environmental stresses inhibit splicing in the aquatic fungus Blastocladiella emersonii. BMC Microbiology, 2009, 9, 231.	3.3	13
64	Evolutionary conservation of a core fungal phosphate homeostasis pathway coupled to development in Blastocladiella emersonii. Fungal Genetics and Biology, 2018, 115, 20-32.	2.1	13
65	A light-sensing system in the common ancestor of the fungi. Current Biology, 2022, 32, 3146-3153.e3.	3.9	13
66	Expression of genes encoding cytosolic and endoplasmic reticulum HSP90 proteins in the aquatic fungus Blastocladiella emersonii. Gene, 2008, 411, 59-68.	2.2	12
67	Differential effects of manganese ions on Blastocladiella emersonii adenylate cyclase. Biochimica Et Biophysica Acta - Biomembranes, 1979, 567, 257-264.	2.6	11
68	Developmental regulation of expression of the regulatory subunit of the cAMP-dependent protein kinase of Blastocladiella emersonii. FEBS Journal, 1989, 178, 803-810.	0.2	11
69	Global gene expression under nitrogen starvation in Xylella fastidiosa: contribution of the Ïƒ54 regulon. BMC Microbiology, 2010, 10, 231.	3.3	11
70	Comparative EST analysis provides insights into the basal aquatic fungus Blastocladiella emersonii. BMC Genomics, 2006, 7, 177.	2.8	10
71	Global Gene Expression Analysis during Germination in the Chytridiomycete <i>Blastocladiella emersonii</i>. Eukaryotic Cell, 2009, 8, 170-180.	3.4	10
72	Mitochondrial alternative oxidase is determinant for growth and sporulation in the early diverging fungus Blastocladiella emersonii. Fungal Biology, 2019, 123, 59-65.	2.5	10

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73	SpotWhatR: a user-friendly microarray data analysis system. Genetics and Molecular Research, 2006, 5, 93-107.	0.2	10
74	Transcriptional Response to Hypoxia in the Aquatic Fungus Blastocladiella emersonii. Eukaryotic Cell, 2010, 9, 915-925.	3.4	9
75	How to build a microbial eye. Nature, 2015, 523, 166-167.	27.8	9
76	Site-directed gene disruption in Xylella fastidiosa. FEMS Microbiology Letters, 2002, 210, 105-110.	1.8	8
77	Isolation, Characterization, and Expression of the Gene Encoding the Î² Subunit of the Mitochondrial Processing Peptidase from <i>Blastocladiella emersonii</i>. Journal of Bacteriology, 1998, 180, 3967-3972.	2.2	8
78	Heat Shock Alters Poly (A) Tail Length of<i>Dictyostelium discoideum</i>hsp32 RNA. DNA and Cell Biology, 1998, 17, 635-641.	1.9	7
79	Insertional Transposon Mutagenesis in the Xylella fastidiosa Citrus Variegated Chlorosis Strain with Transposome. Current Microbiology, 2004, 48, 247-250.	2.2	7
80	Characterization and Submitochondrial Localization of the Î± Subunit of the Mitochondrial Processing Peptidase from the Aquatic Fungus Blastocladiella emersonii. Journal of Bacteriology, 1999, 181, 4257-4265.	2.2	7
81	Protein factors in Blastocladiella emersonii cell extracts recognize similar sequence elements in the promoters of the genes encoding cAMP-dependent protein kinase subunits. Molecular Genetics and Genomics, 1997, 255, 495-503.	2.4	6
82	Cloning of a cDNA encoding a novel heat-shock protein from Dictyostelium discoideum. Gene, 1995, 163, 163-164.	2.2	5
83	PEST sequences in cAMP-dependent protein kinase subunits of the aquatic fungus Blastocladiella emersonii are necessary for in vitro degradation by endogenous proteases. Molecular Microbiology, 2000, 36, 926-939.	2.5	5
84	Blastocladiella emersoniiexpresses a centrin similar toChlamydomonas reinhardtiiisoform not found in late-diverging fungi. FEBS Letters, 2005, 579, 4355-4360.	2.8	5
85	Blastocladiella emersonii spliceosome is regulated in response to the splicing inhibition caused by the metals cadmium, cobalt and manganese. Fungal Biology, 2020, 124, 468-474.	2.5	3
86	Cloning, structural analysis and expression of the gene encoding Hsp32 from Dictyostelium discoideum. Gene, 1997, 193, 173-180.	2.2	2
87	Small heat shock protein genes are developmentally regulated during stress and non-stress conditions in Blastocladiella emersonii. Fungal Biology, 2020, 124, 482-489.	2.5	2
88	Structure â€" Activity Relationships of Nitrofuran Derivatives with Antibacterial Activity. , 2000, , 290-291.		1
89	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
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