

Gilberto Ã L Braga

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

3,110
citations

126907

33
h-index

168389

53
g-index

82
all docs

82
docs citations

82
times ranked

2500
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential risks of the residue from Samarco's mine dam burst (Bento Rodrigues, Brazil). <i>Environmental Pollution</i> , 2016, 218, 813-825.	7.5	201
2	Molecular and physiological effects of environmental UV radiation on fungal conidia. <i>Current Genetics</i> , 2015, 61, 405-425.	1.7	164
3	Variability in conidial thermotolerance of <i>Metarhizium anisopliae</i> isolates from different geographic origins. <i>Journal of Invertebrate Pathology</i> , 2005, 88, 116-125.	3.2	159
4	Variability in Response to UV-B among Species and Strains of <i>Metarhizium</i> Isolated from Sites at Latitudes from 61°N to 54°S. <i>Journal of Invertebrate Pathology</i> , 2001, 78, 98-108.	3.2	143
5	Stress tolerance and virulence of insect-pathogenic fungi are determined by environmental conditions during conidial formation. <i>Current Genetics</i> , 2015, 61, 383-404.	1.7	133
6	Tolerance of entomopathogenic fungi to ultraviolet radiation: a review on screening of strains and their formulation. <i>Current Genetics</i> , 2015, 61, 427-440.	1.7	123
7	Both Solar UVA and UVB Radiation Impair Conidial Culturability and Delay Germination in the Entomopathogenic Fungus <i>Metarhizium anisopliae</i> . <i>Photochemistry and Photobiology</i> , 2001, 74, 734.	2.5	118
8	Variations in UV-B tolerance and germination speed of <i>Metarhizium anisopliae</i> conidia produced on insects and artificial substrates. <i>Journal of Invertebrate Pathology</i> , 2004, 87, 77-83.	3.2	110
9	Mutants and isolates of <i>Metarhizium anisopliae</i> are diverse in their relationships between conidial pigmentation and stress tolerance. <i>Journal of Invertebrate Pathology</i> , 2006, 93, 170-182.	3.2	82
10	Damage and recovery from UV-B exposure in conidia of the entomopathogens <i>Verticillium lecanii</i> and <i>Aphanocladium album</i> . <i>Mycologia</i> , 2002, 94, 912-920.	1.9	79
11	Effect of UV-B on conidia and germlings of the entomopathogenic hyphomycete <i>Metarhizium anisopliae</i> . <i>Mycological Research</i> , 2001, 105, 874-882.	2.5	77
12	Effects of UVB Irradiance on Conidia and Germinants of the Entomopathogenic Hyphomycete <i>Metarhizium anisopliae</i> : A Study of Reciprocity and Recovery. <i>Photochemistry and Photobiology</i> , 2001, 73, 140.	2.5	67
13	Visible light during mycelial growth and conidiation of <i>Metarhizium robertsii</i> produces conidia with increased stress tolerance. <i>FEMS Microbiology Letters</i> , 2011, 315, 81-86.	1.8	67
14	Conidial Pigmentation Is Important to Tolerance Against Solar-simulated Radiation in the Entomopathogenic Fungus <i>Metarhizium anisopliae</i> . <i>Photochemistry and Photobiology</i> , 2006, 82, 418.	2.5	62
15	In vitro photodynamic inactivation of <i>Candida</i> species and mouse fibroblasts with phenothiazinium photosensitisers and red light. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 141-149.	2.6	60
16	Polymorphisms in glutathione-related genes modify mercury concentrations and antioxidant status in subjects environmentally exposed to methylmercury. <i>Science of the Total Environment</i> , 2013, 463-464, 319-325.	8.0	59
17	Influence of growth environment on tolerance to UV-B radiation, germination speed, and morphology of <i>Metarhizium anisopliae</i> var. <i>acidum</i> conidia. <i>Journal of Invertebrate Pathology</i> , 2005, 90, 55-58.	3.2	54
18	In Vitro Photodynamic Inactivation of Plant-Pathogenic Fungi <i>Colletotrichum acutatum</i> and <i>Colletotrichum gloeosporioides</i> with Novel Phenothiazinium Photosensitizers. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1623-1632.	3.1	54

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19	Photodynamic Inactivation of Conidia of the Fungi <i>Metarhizium anisopliae</i> and <i>Aspergillus nidulans</i> with Methylene Blue and Toluidine Blue. <i>Photochemistry and Photobiology</i> , 2010, 86, 653-661.	2.5	53
20	Susceptibilities of the dermatophytes <i>Trichophyton mentagrophytes</i> and <i>T. rubrum</i> microconidia to photodynamic antimicrobial chemotherapy with novel phenothiazinium photosensitizers and red light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 116, 89-94.	3.8	52
21	Furocoumarins and coumarins photoinactivate <i>Colletotrichum acutatum</i> and <i>Aspergillus nidulans</i> fungi under solar radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 131, 74-83.	3.8	48
22	Enzyme activities associated with oxidative stress in <i>Metarhizium anisopliae</i> during germination, mycelial growth, and conidiation and in response to near-UV irradiation. <i>Canadian Journal of Microbiology</i> , 2004, 50, 41-49.	1.7	47
23	Fungal stress biology: a preface to the Fungal Stress Responses special edition. <i>Current Genetics</i> , 2015, 61, 231-238.	1.7	46
24	Quantification of Cyclobutane Pyrimidine Dimers Induced by UVB Radiation in Conidia of the Fungi <i>Aspergillus fumigatus</i> , <i>Aspergillus nidulans</i> , <i>Metarhizium acridum</i> and <i>Metarhizium robertsii</i> . <i>Photochemistry and Photobiology</i> , 2010, 86, 1259-1266.	2.5	43
25	A proteomic approach to identifying proteins differentially expressed in conidia and mycelium of the entomopathogenic fungus <i>Metarhizium acridum</i> . <i>Fungal Biology</i> , 2010, 114, 572-579.	2.5	41
26	Oxygen Consumption by <i>Metarhizium anisopliae</i> during Germination and Growth on Different Carbon Sources. <i>Journal of Invertebrate Pathology</i> , 1999, 74, 112-119.	3.2	36
27	Damage and Recovery from UV-B Exposure in Conidia of the Entomopathogens <i>Verticillium lecanii</i> and <i>Aphanocladium album</i> . <i>Mycologia</i> , 2002, 94, 912.	1.9	36
28	Fungal tyrosine betaine, a novel secondary metabolite from conidia of entomopathogenic <i>Metarhizium</i> spp. fungi. <i>Fungal Biology</i> , 2010, 114, 473-480.	2.5	35
29	<i>In Vitro</i> Photodynamic Inactivation of <i>Cryptococcus neoformans</i> Melanized Cells with Chloroaluminum Phthalocyanine Nanoemulsion. <i>Photochemistry and Photobiology</i> , 2012, 88, 440-447.	2.5	34
30	Effects of genetic polymorphisms on antioxidant status and concentrations of the metals in the blood of riverside Amazonian communities co-exposed to Hg and Pb. <i>Environmental Research</i> , 2015, 138, 224-232.	7.5	34
31	Inactivation of plant-pathogenic fungus <i>Colletotrichum acutatum</i> with natural plant-produced photosensitizers under solar radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 402-411.	3.8	34
32	Photodynamic inactivation of conidia of the fungus <i>Colletotrichum abscissum</i> on <i>Citrus sinensis</i> plants with methylene blue under solar radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 176, 54-61.	3.8	34
33	The Xenon Test Chamber Q-SUN® for testing realistic tolerances of fungi exposed to simulated full spectrum solar radiation. <i>Fungal Biology</i> , 2018, 122, 592-601.	2.5	33
34	Antimicrobial photodynamic treatment (aPDT) as an innovative technology to control spoilage and pathogenic microorganisms in agri-food products: An updated review. <i>Food Control</i> , 2022, 132, 108527.	5.5	32
35	Photodynamic treatment with phenothiazinium photosensitizers kills both ungerminated and germinated microconidia of the pathogenic fungi <i>Fusarium oxysporum</i> , <i>Fusarium moniliforme</i> and <i>Fusarium solani</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 1-12.	3.8	30
36	<i>Metarhizium robertsii</i> illuminated during mycelial growth produces conidia with increased germination speed and virulence. <i>Fungal Biology</i> , 2018, 122, 555-562.	2.5	30

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37	Growth under Visible Light Increases Conidia and Mucilage Production and Tolerance to UV-B Radiation in the Plant Pathogenic Fungus <i>Cochliobolus acutatum</i> . Photochemistry and Photobiology, 2015, 91, 397-402.	2.5	29
38	The effects of photodynamic treatment with new methylene blue N on the <i>Candida albicans</i> proteome. Photochemical and Photobiological Sciences, 2016, 15, 1503-1513.	2.9	27
39	Outcome of blue, green, red, and white light on <i>Metarhizium robertsii</i> during mycelial growth on conidial stress tolerance and gene expression. Fungal Biology, 2020, 124, 263-272.	2.5	27
40	The <i>rpoS</i> Gene in <i>Pseudomonas syringae</i> Is Important in Surviving Exposure to the Near-UV in Sunlight. Current Microbiology, 2001, 43, 374-377.	2.2	24
41	Evaluation of Glutathione S-transferase <i>GSTM1</i> and <i>GSTT1</i> Polymorphisms and Methylmercury Metabolism in an Exposed Amazon Population. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 960-970.	2.3	24
42	Exposure of <i>Metarhizium acridum</i> mycelium to light induces tolerance to UV-B radiation. FEMS Microbiology Letters, 2016, 363, fnw036.	1.8	24
43	Responsiveness of entomopathogenic fungi to menadione-induced oxidative stress. Fungal Biology, 2014, 118, 990-995.	2.5	23
44	Antimicrobial photodynamic therapy with phenothiazinium photosensitizers in non-vertebrate model <i>Galleria mellonella</i> infected with <i>Fusarium keratoplasticum</i> and <i>Fusarium moniliforme</i> . Photodiagnosis and Photodynamic Therapy, 2019, 25, 197-203.	2.6	23
45	In vitro susceptibilities of <i>Neoscytalidium</i> spp. sequence types to antifungal agents and antimicrobial photodynamic treatment with phenothiazinium photosensitizers. Fungal Biology, 2018, 122, 436-448.	2.5	21
46	Genetic Polymorphisms in Glutathione (GSH-) Related Genes Affect the Plasmatic Hg/Whole Blood Hg Partitioning and the Distribution between Inorganic and Methylmercury Levels in Plasma Collected from a Fish-Eating Population. BioMed Research International, 2014, 2014, 1-8.	1.9	20
47	Exposing <i>Metarhizium acridum</i> mycelium to visible light up-regulates a photolyase gene and increases photoreactivating ability. Journal of Invertebrate Pathology, 2018, 152, 35-37.	3.2	18
48	Efficient photodynamic inactivation of <i>Candida albicans</i> by porphyrin and potassium iodide co-encapsulation in micelles. Photochemical and Photobiological Sciences, 2020, 19, 1063-1071.	2.9	18
49	Protease production during growth and autolysis of submerged <i>Metarhizium anisopliae</i> cultures. Revista De Microbiologia, 1999, 30, 107-113.	0.1	16
50	Survival variability of 12 strains of <i>Bacillus cereus</i> yielded to spray drying of whole milk. International Journal of Food Microbiology, 2018, 286, 80-89.	4.7	16
51	Combining Transcriptomics and Proteomics Reveals Potential Post-transcriptional Control of Gene Expression After Light Exposure in <i>Metarhizium acridum</i> . G3: Genes, Genomes, Genetics, 2019, 9, 2951-2961.	1.8	15
52	Variability in UVB Tolerances of Melanized and Nonmelanized Cells of <i>Cryptococcus neoformans</i> and <i>C. laurentii</i> . Photochemistry and Photobiology, 2009, 85, 205-213.	2.5	14
53	Promising filamentous native fungi isolated from paddy soils for arsenic mitigation in rice grains cultivated under flooded conditions. Journal of Environmental Chemical Engineering, 2018, 6, 3926-3932.	6.7	14
54	<i>Metarhizium robertsii</i> and <i>M. acridum</i> conidia produced on riboflavin-supplemented medium have increased UV-A tolerance and upregulated photoprotection and photoreactivation genes. BioControl, 2020, 65, 211-222.	2.0	14

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55	Determination of the Effects of eNOS Gene Polymorphisms (T-786C and Glu298Asp) on Nitric Oxide Levels in a Methylmercury-Exposed Population. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011, 74, 1323-1333.	2.3	13
56	A low-cost and environmentally-friendly potential procedure for inorganic-As remediation based on the use of fungi isolated from rice rhizosphere. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 891-898.	6.7	13
57	Photobiology of the keystone genus <i>Metarhizium</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 226, 112374.	3.8	13
58	Damage and recovery from UV-B exposure in conidia of the entomopathogens <i>Verticillium lecanii</i> and <i>Aphanocladium album</i> . <i>Mycologia</i> , 2002, 94, 912-20.	1.9	13
59	Both Solar UVA and UVB Radiation Impair Conidial Culturability and Delay Germination in the Entomopathogenic Fungus <i>Metarhizium anisopliae</i> . <i>Photochemistry and Photobiology</i> , 2001, 74, 734-739.	2.5	12
60	Inhibitory action of phenothiazinium dyes against <i>Neospora caninum</i> . <i>Scientific Reports</i> , 2020, 10, 7483.	3.3	12
61	Species of the <i>Metarhizium anisopliae</i> complex with diverse ecological niches display different susceptibilities to antifungal agents. <i>Fungal Biology</i> , 2018, 122, 563-569.	2.5	11
62	Photodynamic inactivation of <i>Candida albicans</i> and <i>Candida tropicalis</i> with aluminum phthalocyanine chloride nanoemulsion. <i>Fungal Biology</i> , 2020, 124, 297-303.	2.5	11
63	Genetic Effects of eNOS Polymorphisms on Biomarkers Related to Cardiovascular Status in a Population Coexposed to Methylmercury and Lead. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 173-180.	4.1	10
64	Responses of entomopathogenic fungi to the mutagen 4-nitroquinoline 1-oxide. <i>Fungal Biology</i> , 2018, 122, 621-628.	2.5	10
65	Antimicrobial photodynamic treatment as an alternative approach for <i>Alicyclobacillus acidoterrestris</i> inactivation. <i>International Journal of Food Microbiology</i> , 2020, 333, 108803.	4.7	10
66	Estimates of Genetic Parameters Related to Protease Production by <i>Metarhizium anisopliae</i> . <i>Journal of Invertebrate Pathology</i> , 1994, 64, 6-12.	3.2	8
67	Estimates of genetic parameters related to chitinase production by the entomopathogenic fungus <i>Metarhizium anisopliae</i> . <i>Genetics and Molecular Biology</i> , 1998, 21, 171-177.	1.3	8
68	Phenothiazinium Dyes Are Active against <i>Trypanosoma cruzi</i> In Vitro. <i>BioMed Research International</i> , 2019, 2019, 1-9.	1.9	7
69	Photosensitizers attenuate LPS-induced inflammation: implications in dentistry and general health. <i>Lasers in Medical Science</i> , 2021, 36, 913-926.	2.1	7
70	Thiopyridinium phthalocyanine for improved photodynamic efficiency against pathogenic fungi. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 231, 112459.	3.8	7
71	Effects of UVB Irradiance on Conidia and Germinants of the Entomopathogenic Hyphomycete <i>Metarhizium anisopliae</i> : A Study of Reciprocity and Recovery. <i>Photochemistry and Photobiology</i> , 2001, 73, 140-146.	2.5	6
72	Chemical features of the photosensitizers new methylene blue N and S137 influence their subcellular localization and photoinactivation efficiency in <i>Candida albicans</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 209, 111942.	3.8	6

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73	Glutathione reductase: A cytoplasmic antioxidant enzyme and a potential target for phenothiazinium dyes in <i>Neospora caninum</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 187, 964-975.	7.5	6
74	Phenothiazinium dyes for photodynamic treatment present lower environmental risk compared to a formulation of trifloxystrobin and tebuconazole. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 226, 112365.	3.8	5
75	In vitro and in vivo photodynamic efficacies of novel and conventional phenothiazinium photosensitizers against multidrug-resistant <i>Candida auris</i> . <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1807-1818.	2.9	5
76	Timing and duration of light exposure during conidia development determine tolerance to ultraviolet radiation. <i>FEMS Microbiology Letters</i> , 2021, 368, .	1.8	3
77	Inactivation kinetics of <i>Bacillus cereus</i> vegetative cells and spores from different sources by antimicrobial photodynamic treatment (aPDT). <i>LWT - Food Science and Technology</i> , 2021, 142, 111037.	5.2	2
78	Biological and In silico Studies on Synthetic Analogues of Tyrosine Betaine as Inhibitors of Neprilysin - A Drug Target for the Treatment of Heart Failure. <i>Current Pharmaceutical Design</i> , 2018, 24, 1899-1904.	1.9	1