

Renata Santos

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

23,740
citations

218381

26
h-index

233125

45
g-index

53
all docs

53
docs citations

53
times ranked

27454
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial sequencing and analysis of the human genome. <i>Nature</i> , 2001, 409, 860-921.	13.7	21,074
2	Oxidative Burst in Alfalfa-Sinorhizobium meliloti Symbiotic Interaction. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 86-89.	1.4	284
3	Iron use for haeme synthesis is under control of the yeast frataxin homologue (Yfh1). <i>Human Molecular Genetics</i> , 2003, 12, 879-889.	1.4	207
4	Friedreich Ataxia: Molecular Mechanisms, Redox Considerations, and Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 651-690.	2.5	159
5	Critical protective role of bacterial superoxide dismutase in Rhizobium-legume symbiosis. <i>Molecular Microbiology</i> , 2000, 38, 750-759.	1.2	158
6	Neurons derived from patients with bipolar disorder divide into intrinsically different sub-populations of neurons, predicting the patients'™ responsiveness to lithium. <i>Molecular Psychiatry</i> , 2018, 23, 1453-1465.	4.1	125
7	Haemin uptake and use as an iron source by <i>Candida albicans</i> : role of CaHMX1-encoded haem oxygenase. <i>Microbiology (United Kingdom)</i> , 2003, 149, 579-588.	0.7	121
8	Differentiation of Inflammation-Responsive Astrocytes from Glial Progenitors Generated from Human Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 1757-1769.	2.3	120
9	The antifungal plant defensin RsAFP2 from radish induces apoptosis in a metacaspase independent way in <i>Candida albicans</i> . <i>FEBS Letters</i> , 2009, 583, 2513-2516.	1.3	113
10	Mitochondria, Metabolism, and Redox Mechanisms in Psychiatric Disorders. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 275-317.	2.5	112
11	Metals and Neuronal Metal Binding Proteins Implicated in Alzheimer's™ Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-13.	1.9	110
12	Reactive oxygen species, nitric oxide and glutathione: a key role in the establishment of the legume-Rhizobium symbiosis?. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 619-624.	2.8	100
13	Species-specific maturation profiles of human, chimpanzee and bonobo neural cells. <i>ELife</i> , 2019, 8, .	2.8	94
14	Glutathione-dependent redox status of frataxin-deficient cells in a yeast model of Friedreich's ataxia. <i>Human Molecular Genetics</i> , 2008, 17, 2790-2802.	1.4	76
15	Molecular Mechanisms of Bipolar Disorder: Progress Made and Future Challenges. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 30.	1.8	73
16	Essential Role of Superoxide Dismutase on the Pathogenicity of <i>Erwinia chrysanthemi</i> Strain 3937. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 758-767.	1.4	71
17	Neurodegeneration in Friedreich's™ Ataxia: From Defective Frataxin to Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-10.	1.9	62
18	Friedreich's ataxia: the vicious circle hypothesis revisited. <i>BMC Medicine</i> , 2011, 9, 112.	2.3	60

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19	Candida albicans lacking the frataxin homologue: a relevant yeast model for studying the role of frataxin. <i>Molecular Microbiology</i> , 2004, 54, 507-519.	1.2	55
20	Characterization of an Atypical Superoxide Dismutase from <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 1999, 181, 4509-4516.	1.0	52
21	Genome-Wide Screen for Genes With Effects on Distinct Iron Uptake Activities in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2005, 169, 107-122.	1.2	42
22	Evidence that yeast frataxin is not an iron storage protein in vivo. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 531-538.	1.8	42
23	Deficient LEF1 expression is associated with lithium resistance and hyperexcitability in neurons derived from bipolar disorder patients. <i>Molecular Psychiatry</i> , 2021, 26, 2440-2456.	4.1	41
24	Mechanisms Underlying the Hyperexcitability of CA3 and Dentate Gyrus Hippocampal Neurons Derived From Patients With Bipolar Disorder. <i>Biological Psychiatry</i> , 2020, 88, 139-149.	0.7	39
25	Oxidative stress induces mitochondrial fragmentation in frataxin-deficient cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 336-341.	1.0	34
26	Prss56, a novel marker of adult neurogenesis in the mouse brain. <i>Brain Structure and Function</i> , 2016, 221, 4411-4427.	1.2	32
27	A Physiological Instability Displayed in Hippocampal Neurons Derived From Lithium-Nonresponsive Bipolar Disorder Patients. <i>Biological Psychiatry</i> , 2020, 88, 150-158.	0.7	28
28	Bacteriophages induced by mitomycin C treatment of <i>Leuconostoc oenos</i> strains from Portuguese wines. <i>Letters in Applied Microbiology</i> , 1993, 16, 207-209.	1.0	26
29	Zinc suppresses the iron-accumulation phenotype of <i>Saccharomyces cerevisiae</i> lacking the yeast frataxin homologue (Yfh1). <i>Biochemical Journal</i> , 2003, 375, 247-254.	1.7	25
30	Genome diversity in temperate bacteriophages of <i>Oenococcus oeni</i> . <i>Archives of Virology</i> , 1998, 143, 523-536.	0.9	21
31	Altered Neuronal Support and Inflammatory Response in Bipolar Disorder Patient-Derived Astrocytes. <i>Stem Cell Reports</i> , 2021, 16, 825-835.	2.3	20
32	Co-precipitation of Phosphate and Iron Limits Mitochondrial Phosphate Availability in <i>Saccharomyces cerevisiae</i> Lacking the Yeast Frataxin Homologue (YFH1). <i>Journal of Biological Chemistry</i> , 2011, 286, 6071-6079.	1.6	18
33	Inactivation of mitochondrial aspartate aminotransferase contributes to the respiratory deficit of yeast frataxin-deficient cells. <i>Biochemical Journal</i> , 2012, 441, 945-953.	1.7	17
34	Functional analysis of the hemK gene product involvement in protoporphyrinogen oxidase activity in yeast. <i>FEMS Microbiology Letters</i> , 1999, 173, 175-182.	0.7	16
35	The yeast metacaspase is implicated in oxidative stress response in frataxin-deficient cells. <i>FEBS Letters</i> , 2012, 586, 143-148.	1.3	16
36	Neurodegeneration, Neurogenesis, and Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-2.	1.9	16

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37	Characterization of temperate bacteriophages of <i>Leuconostoc oenos</i> and evidence for two prophage attachment sites in the genome of starter strain PSU-1. <i>Journal of Applied Bacteriology</i> , 1996, 81, 383-392.	1.1	13
38	Dynamical Electrical Complexity Is Reduced during Neuronal Differentiation in Autism Spectrum Disorder. <i>Stem Cell Reports</i> , 2019, 13, 474-484.	2.3	13
39	Neurodegeneration, Neurogenesis, and Oxidative Stress 2015. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-1.	1.9	10
40	Mechanisms of iron and copper-frataxin interactions. <i>Metallomics</i> , 2017, 9, 1073-1085.	1.0	10
41	Apn1 AP-endonuclease is essential for the repair of oxidatively damaged DNA bases in yeast frataxin-deficient cells. <i>Human Molecular Genetics</i> , 2012, 21, 4060-4072.	1.4	9
42	Inositol monophosphatase 1 (IMPA1) mutation in intellectual disability patients impairs neurogenesis but not gliogenesis. <i>Molecular Psychiatry</i> , 2021, 26, 3558-3571.	4.1	8
43	Characteristics of Protoporphyrinogen Oxidase. , 1999, , 245-277.		6
44	In Vitro interaction between yeast frataxin and superoxide dismutases: Influence of mitochondrial metals. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 883-892.	1.1	5
45	Characterization of the <i>sodF</i> gene region of <i>Frankia</i> sp. strain ACN14a and complementation of <i>Escherichia coli</i> <i>sod</i> mutant. <i>Canadian Journal of Microbiology</i> , 2003, 49, 294-300.	0.8	4
46	Generation of inflammation-responsive astrocytes from glial progenitors derived from human pluripotent stem cells. <i>STAR Protocols</i> , 2022, 3, 101261.	0.5	2
47	715. Neurons from Bipolar Disorder Patients Are Characterized by Intrinsically Different Sub Populations of Neurons. <i>Biological Psychiatry</i> , 2017, 81, S290.	0.7	0
48	265. Electrophysiological Measurements of DG Neurons Derived From Bipolar Disorder and Schizophrenia Patients. <i>Biological Psychiatry</i> , 2018, 83, S107.	0.7	0
49	Characterization of temperate bacteriophages of <i>Leuconostoc oenos</i> and evidence for two prophage attachment sites in the genome of starter strain PSU-1. <i>Journal of Applied Microbiology</i> , 1996, 81, 383-392.	1.4	0