Sarela GarcÃ-a-Santamarina

List of Publications by Year
in descending order

22 papers	989 citations	623734 14 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1485 citing authors

#	Article	IF	Citations
1	Interactions between copper homeostasis and the fungal cell wall affect copper stress resistance. PLoS Pathogens, 2022, 18, e1010195.	4.7	6
2	Transcription factorâ€“driven alternative localization of Cryptococcus neoformans superoxide dismutase. Journal of Biological Chemistry, 2021, 296, 100391.	3.4	7
3	Unravelling the collateral damage of antibiotics on gut bacteria. Nature, 2021, 599, 120-124.	27.8	159
4	Identification of ubiquitin-proteasome system components affecting the degradation of the transcription factor Pap1. Redox Biology, 2020, 28, 101305.	9.0	7
5	The Hsp40 Mas5 Connects Protein Quality Control and the General Stress Response through the Thermo-sensitive Pyp1. IScience, 2020, 23, 101725.	4.1	7
6	A lytic polysaccharide monooxygenase-like protein functions in fungal copper import and meningitis. Nature Chemical Biology, 2020, 16, 337-344.	8.0	61
7	Genomeâ€wide analysis of the regulation of Cu metabolism in Cryptococcus neoformans. Molecular Microbiology, 2018, 108, 473-494.	2.5	34
8	Cryptococcus neoformans Iron-Sulfur Protein Biogenesis Machinery Is a Novel Layer of Protection against Cu Stress. MBio, 2017, 8, .	4.1	41
9	Lack of a peroxiredoxin suppresses the lethality of cells devoid of electron donors by channelling electrons to oxidized ribonucleotide reductase. PLoS Genetics, 2017, 13, e1006858.	3.5	4
10	Copper at the Fungal Pathogen-Host Axis. Journal of Biological Chemistry, 2015, 290, 18945-18953.	3.4	78
11	A genetic approach to study <scp>H</scp>₂<scp>O</scp>₂ scavenging in fission yeast â€“ distinct roles of peroxiredoxin and catalase. Molecular Microbiology, 2014, 92, 246-257.	2.5	17
12	Reversible Cysteine Oxidation in Hydrogen Peroxide Sensing and Signal Transduction. Biochemistry, 2014, 53, 2560-2580.	2.5	141
13	Monitoring in vivo reversible cysteine oxidation in proteins using ICAT and mass spectrometry. Nature Protocols, 2014, 9, 1131-1145.	12.0	72
14	Thiol-based H2O2 signalling in microbial systems. Redox Biology, 2014, 2, 395-399.	9.0	34
15	Dissection of a Redox Relay: H2O2-Dependent Activation of the Transcription Factor Pap1 through the Peroxidatic Tpx1-Thioredoxin Cycle. Cell Reports, 2013, 5, 1413-1424.	6.4	51
16	Is Oxidized Thioredoxin a Major Trigger for Cysteine Oxidation? Clues from a Redox Proteomics Approach. Antioxidants and Redox Signaling, 2013, 18, 1549-1556.	5.4	30
17	Methionine sulphoxide reductases revisited: free methionine as a primary target of <scp><scp>H₂O₂</scp></scp> stress in auxotrophic fission yeast. Molecular Microbiology, 2013, 90, 1113-1124.	2.5	6
18	The oxidized thiol proteome in fission yeastâ€”Optimization of an ICAT-based method to identify H2O2-oxidized proteins. Journal of Proteomics, 2011, 74, 2476-2486.	2.4	45

#	Article	IF	Citations
19	Genome-Wide Screen of Genes Required for Caffeine Tolerance in Fission Yeast. PLoS ONE, 2009, 4, e6619.	2.5	77
20	Mitochondrial Dysfunction Increases Oxidative Stress and Decreases Chronological Life Span in Fission Yeast. PLoS ONE, 2008, 3, e2842.	2.5	79
21	Transcriptions and ISO 15189. Clinical Chemistry and Laboratory Medicine, 2006, 44, 907.	2.3	3
22	Significant decimals and rounding. Clinical Chemistry and Laboratory Medicine, 2004, 42, 1071-2.	2.3	4