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	Unravelling the collateral damage of antibiotics on gut bacteria. Nature, 2021, 599, 120-124.	27.8	159
2	Reversible Cysteine Oxidation in Hydrogen Peroxide Sensing and Signal Transduction. Biochemistry, 2014, 53, 2560-2580.	2.5	141
3	Mitochondrial Dysfunction Increases Oxidative Stress and Decreases Chronological Life Span in Fission Yeast. PLoS ONE, 2008, 3, e2842.	2.5	79
4	Copper at the Fungal Pathogen-Host Axis. Journal of Biological Chemistry, 2015, 290, 18945-18953.	3.4	78
5	Genome-Wide Screen of Genes Required for Caffeine Tolerance in Fission Yeast. PLoS ONE, 2009, 4, e6619.	2.5	77
6	Monitoring in vivo reversible cysteine oxidation in proteins using ICAT and mass spectrometry. Nature Protocols, 2014, 9, 1131-1145.	12.0	72
7	A lytic polysaccharide monooxygenase-like protein functions in fungal copper import and meningitis. Nature Chemical Biology, 2020, 16, 337-344.	8.0	61
8	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
9	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
10	Cryptococcus neoformans Iron-Sulfur Protein Biogenesis Machinery Is a Novel Layer of Protection against Cu Stress. MBio, 2017, 8, .	4.1	41
11	Thiol-based H2O2 signalling in microbial systems. Redox Biology, 2014, 2, 395-399.	9.0	34
12	Genomeâ€wide analysis of the regulation of Cu metabolism in Cryptococcus neoformans. Molecular Microbiology, 2018, 108, 473-494.	2.5	34
13	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
14	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
15	Identification of ubiquitin-proteasome system components affecting the degradation of the transcription factor Pap1. Redox Biology, 2020, 28, 101305.	9.0	7
16	The Hsp40 Mas5 Connects Protein Quality Control and the General Stress Response through the Thermo-sensitive Pyp1. IScience, 2020, 23, 101725.	4.1	7
17	Transcription factorâ€“driven alternative localization of Cryptococcus neoformans superoxide dismutase. Journal of Biological Chemistry, 2021, 296, 100391.	3.4	7
18	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

#	Article	IF	Citations
19	Interactions between copper homeostasis and the fungal cell wall affect copper stress resistance. PLoS Pathogens, 2022, 18, e1010195.	4.7	6
20	Significant decimals and rounding. Clinical Chemistry and Laboratory Medicine, 2004, 42, 1071-2.	2.3	4
21	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
22	Transcriptions and ISO 15189. Clinical Chemistry and Laboratory Medicine, 2006, 44, 907.	2.3	3