

Ulrich MÃ¼hlenhoff

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,285
citations

430874

18
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

2288
citing authors

#	ARTICLE	IF	CITATIONS
1	Glutaredoxins and iron-sulfur protein biogenesis at the interface of redox biology and iron metabolism. <i>Biological Chemistry</i> , 2020, 401, 1407-1428.	2.5	29
2	Depletion of thiol reducing capacity impairs cytosolic but not mitochondrial iron-sulfur protein assembly machineries. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 240-251.	4.1	10
3	Structure and functional dynamics of the mitochondrial Fe/S cluster synthesis complex. <i>Nature Communications</i> , 2017, 8, 1287.	12.8	144
4	Defects in Mitochondrial Iron-Sulfur Cluster Assembly Induce Cysteine S-Polythiolation on Iron-Sulfur Apoproteins. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 28-40.	5.4	4
5	Compartmentalization of iron between mitochondria and the cytosol and its regulation. <i>European Journal of Cell Biology</i> , 2015, 94, 292-308.	3.6	76
6	The role of mitochondria and the CIA machinery in the maturation of cytosolic and nuclear iron-sulfur proteins. <i>European Journal of Cell Biology</i> , 2015, 94, 280-291.	3.6	158
7	The mitochondrial monothiol glutaredoxin S15 is essential for iron-sulfur protein maturation in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13735-13740.	7.1	84
8	The Basic Leucine Zipper Stress Response Regulator Yap5 Senses High-Iron Conditions by Coordination of [2Fe-2S] Clusters. <i>Molecular and Cellular Biology</i> , 2015, 35, 370-378.	2.3	46
9	Functional reconstitution of mitochondrial Fe/S cluster synthesis on Isu1 reveals the involvement of ferredoxin. <i>Nature Communications</i> , 2014, 5, 5013.	12.8	136
10	The <i>J</i> transcription factor <i>HapX</i> controls fungal adaptation to both iron starvation and iron excess. <i>EMBO Journal</i> , 2014, 33, 2261-2276.	7.8	121
11	The mitochondrial Hsp70 chaperone Ssq1 facilitates Fe/S cluster transfer from Isu1 to Grx5 by complex formation. <i>Molecular Biology of the Cell</i> , 2013, 24, 1830-1841.	2.1	122
12	Crucial function of vertebrate glutaredoxin 3 (PICOT) in iron homeostasis and hemoglobin maturation. <i>Molecular Biology of the Cell</i> , 2013, 24, 1895-1903.	2.1	101
13	The human mitochondrial ISCA1, ISCA2, and IBA57 proteins are required for [4Fe-4S] protein maturation. <i>Molecular Biology of the Cell</i> , 2012, 23, 1157-1166.	2.1	185
14	The Multidomain Thioredoxin-Monothiol Glutaredoxins Represent a Distinct Functional Group. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 19-30.	5.4	54
15	The oxidative stress response in yeast cells involves changes in the stability of Aft1 regulon mRNAs. <i>Molecular Microbiology</i> , 2011, 81, 232-248.	2.5	33
16	Specialized Function of Yeast Isa1 and Isa2 Proteins in the Maturation of Mitochondrial [4Fe-4S] Proteins. <i>Journal of Biological Chemistry</i> , 2011, 286, 41205-41216.	3.4	143
17	Tah18 transfers electrons to Dre2 in cytosolic iron-sulfur protein biogenesis. <i>Nature Chemical Biology</i> , 2010, 6, 758-765.	8.0	176
18	Cytosolic Monothiol Glutaredoxins Function in Intracellular Iron Sensing and Trafficking via Their Bound Iron-Sulfur Cluster. <i>Cell Metabolism</i> , 2010, 12, 373-385.	16.2	263

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19	<i>Saccharomyces cerevisiae</i> Grx6 and Grx7 Are Monothiol Glutaredoxins Associated with the Early Secretory Pathway. <i>Eukaryotic Cell</i> , 2008, 7, 1415-1426.	3.4	56
20	Components involved in assembly and dislocation of iron-sulfur clusters on the scaffold protein Isu1p. <i>EMBO Journal</i> , 2003, 22, 4815-4825.	7.8	344