

Brandan Pedre Perez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8214235/publications.pdf>

Version: 2024-02-01

16
papers

1,037
citations

623188

14
h-index

996533

15
g-index

17
all docs

17
docs citations

17
times ranked

1736
citing authors

#	ARTICLE	IF	CITATIONS
1	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017, 13, 94-162.	3.9	242
2	Ultrasensitive Genetically Encoded Indicator for Hydrogen Peroxide Identifies Roles for the Oxidant in Cell Migration and Mitochondrial Function. <i>Cell Metabolism</i> , 2020, 31, 642-653.e6.	7.2	202
3	The mechanism of action of N-acetylcysteine (NAC): The emerging role of H ₂ S and sulfane sulfur species. , 2021, 228, 107916.		154
4	3-Mercaptopyruvate sulfurtransferase: an enzyme at the crossroads of sulfane sulfur trafficking. <i>Biological Chemistry</i> , 2021, 402, 223-237.	1.2	50
5	The Arsenic Detoxification System in Corynebacteria. <i>Advances in Applied Microbiology</i> , 2017, 99, 103-137.	1.3	48
6	The <i>Corynebacterium glutamicum</i> mycothiol peroxidase is a reactive oxygen species-scavenging enzyme that shows promiscuity in thiol redox control. <i>Molecular Microbiology</i> , 2015, 96, 1176-1191.	1.2	45
7	Chemistry and Redox Biology of Mycothiol. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 487-504.	2.5	45
8	Engineered coryneform bacteria as a bio-tool for arsenic remediation. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 10143-10152.	1.7	42
9	Structural snapshots of OxyR reveal the peroxidatic mechanism of H ₂ O ₂ sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11623-E11632.	3.3	42
10	Real-time monitoring of peroxiredoxin oligomerization dynamics in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16313-16323.	3.3	36
11	The antibacterial prodrug activator Rv2466c is a mycothiol-dependent reductase in the oxidative stress response of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 13097-13110.	1.6	27
12	Protein Promiscuity in H ₂ O ₂ Signaling. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1285-1324.	2.5	26
13	<i>Corynebacterium diphtheriae</i> Methionine Sulfoxide Reductase A Exploits a Unique Mycothiol Redox Relay Mechanism. <i>Journal of Biological Chemistry</i> , 2015, 290, 11365-11375.	1.6	25
14	The glyceraldehyde-3-phosphate dehydrogenase GapDH of <i>Corynebacterium diphtheriae</i> is redox-controlled by protein S-mycothiolation under oxidative stress. <i>Scientific Reports</i> , 2017, 7, 5020.	1.6	24
15	The active site architecture in peroxiredoxins: a case study on <i>Mycobacterium tuberculosis</i> AhpE. <i>Chemical Communications</i> , 2016, 52, 10293-10296.	2.2	16
16	Mycothiol Peroxidase Activity as a Part of the Self-Resistance Mechanisms against the Antitumor Antibiotic Cosmomycin D. <i>Microbiology Spectrum</i> , 2022, 10, e0049322.	1.2	1