Brandan Pedre Perez

List of Publications by Year
in descending order

16	1,037	623188	996533
papers	citations	14 h-index	15 g-index

17	17	17	1736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mycothiol Peroxidase Activity as a Part of the Self-Resistance Mechanisms against the Antitumor Antibiotic Cosmomycin D. Microbiology Spectrum, 2022, 10, e0049322.	1.2	1
2	The mechanism of action of N-acetylcysteine (NAC): The emerging role of H2S and sulfane sulfur species. , 2021, 228, 107916.		154
3	3-Mercaptopyruvate sulfurtransferase: an enzyme at the crossroads of sulfane sulfur trafficking. Biological Chemistry, 2021, 402, 223-237.	1.2	50
4	Real-time monitoring of peroxiredoxin oligomerization dynamics in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16313-16323.	3.3	36
5	Ultrasensitive Genetically Encoded Indicator for Hydrogen Peroxide Identifies Roles for the Oxidant in Cell Migration and Mitochondrial Function. Cell Metabolism, 2020, 31, 642-653.e6.	7.2	202
6	Protein Promiscuity in H₂O₂Signaling. Antioxidants and Redox Signaling, 2019, 30, 1285-1324.	2.5	26
7	Chemistry and Redox Biology of Mycothiol. Antioxidants and Redox Signaling, 2018, 28, 487-504.	2.5	45
8	Structural snapshots of OxyR reveal the peroxidatic mechanism of H ₂ O ₂ sensing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11623-E11632.	3.3	42
9	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). Redox Biology, 2017, 13, 94-162.	3.9	242
10	The antibacterial prodrug activator Rv2466c is a mycothiol-dependent reductase in the oxidative stress response of Mycobacterium tuberculosis. Journal of Biological Chemistry, 2017, 292, 13097-13110.	1.6	27
11	The glyceraldehyde-3-phosphate dehydrogenase GapDH of Corynebacterium diphtheriae is redox-controlled by protein S-mycothiolation under oxidative stress. Scientific Reports, 2017, 7, 5020.	1.6	24
12	The Arsenic Detoxification System in Corynebacteria. Advances in Applied Microbiology, 2017, 99, 103-137.	1.3	48
13	The active site architecture in peroxiredoxins: a case study on Mycobacterium tuberculosis AhpE. Chemical Communications, 2016, 52, 10293-10296.	2.2	16
14	The <scp>C</scp>orynebacterium glutamicum mycothiol peroxidase is a reactive oxygen speciesâ€scavenging enzyme that shows promiscuity in thiol redox control. Molecular Microbiology, 2015, 96, 1176-1191.	1.2	45
15	Corynebacterium diphtheriae Methionine Sulfoxide Reductase A Exploits a Unique Mycothiol Redox Relay Mechanism. Journal of Biological Chemistry, 2015, 290, 11365-11375.	1.6	25
16	Engineered coryneform bacteria as a bio-tool for arsenic remediation. Applied Microbiology and Biotechnology, 2014, 98, 10143-10152.	1.7	42