Esther M Johnston

List of Publications by Year
in descending order

10 papers	2,180 citations	1040056 9 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	3249 citing authors

#	Article	IF	Citations
1	Copper Active Sites in Biology. Chemical Reviews, 2014, 114, 3659-3853.	47.7	1,305
2	The molecular basis of polysaccharide cleavage by lytic polysaccharide monooxygenases. Nature Chemical Biology, 2016, 12, 298-303.	8.0	264
3	Lytic Polysaccharide Monooxygenases in Biomass Conversion. Trends in Biotechnology, 2015, 33, 747-761.	9.3	233
4	QM/MM Studies into the H_2O_2-Dependent Activity of Lytic Polysaccharide Monooxygenases: Evidence for the Formation of a Caged Hydroxyl Radical Intermediate. ACS Catalysis, 2018, 8, 1346-1351.	11.2	117
5	Structure–function characterization reveals new catalytic diversity in the galactose oxidase and glyoxal oxidase family. Nature Communications, 2015, 6, 10197.	12.8	79
6	Formation of a Copper(II)–Tyrosyl Complex at the Active Site of Lytic Polysaccharide Monooxygenases Following Oxidation by H_2O_2. Journal of the American Chemical Society, 2019, 141, 18585-18599.	13.7	66
7	Determination of the Active Form of the Tetranuclear Copper Sulfur Cluster in Nitrous Oxide Reductase. Journal of the American Chemical Society, 2014, 136, 614-617.	13.7	52
8	Spectroscopic Definition of the Cu_Z° Intermediate in Turnover of Nitrous Oxide Reductase and Molecular Insight into the Catalytic Mechanism. Journal of the American Chemical Society, 2017, 139, 4462-4476.	13.7	33
9	Protonation state of the Cu_4S_2 Cu_Z site in nitrous oxide reductase: redox dependence and insight into reactivity. Chemical Science, 2015, 6, 5670-5679.	7.4	23
10	Characterization of the Preprocessed Copper Site Equilibrium in Amine Oxidase and Assignment of the Reactive Copper Site in Topaquinone Biogenesis. Journal of the American Chemical Society, 2019, 141, 8877-8890.	13.7	8