

Esther M Johnston

List of Publications by Year in descending order

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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	Formation of a Copper(II)â€“Tyrosyl Complex at the Active Site of Lytic Polysaccharide Monooxygenases Following Oxidation by H ₂ O ₂ . Journal of the American Chemical Society, 2019, 141, 18585-18599.	13.7	66
2	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
3	QM/MM Studies into the H ₂ O 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
4	Spectroscopic Definition of the Cu ₂ Z ^Å 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
5	The molecular basis of polysaccharide cleavage by lytic polysaccharide monooxygenases. Nature Chemical Biology, 2016, 12, 298-303.	8.0	264
6	Structureâ€“function characterization reveals new catalytic diversity in the galactose oxidase and glyoxal oxidase family. Nature Communications, 2015, 6, 10197.	12.8	79
7	Lytic Polysaccharide Monooxygenases in Biomass Conversion. Trends in Biotechnology, 2015, 33, 747-761.	9.3	233
8	Protonation state of the Cu ₄ S ₂ Cu ₂ Z site in nitrous oxide reductase: redox dependence and insight into reactivity. Chemical Science, 2015, 6, 5670-5679.	7.4	23
9	Copper Active Sites in Biology. Chemical Reviews, 2014, 114, 3659-3853.	47.7	1,305
10	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