

# Samantha Mclean

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

781  
citations

567281

15  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfite species enhance carbon monoxide release from CO-releasing molecules: Implications for the deoxyhemoglobin assay of activity. <i>Analytical Biochemistry</i> , 2012, 427, 36-40.	2.4	154
2	The Diversity of Microbial Responses to Nitric Oxide and Agents of Nitrosative Stress. <i>Advances in Microbial Physiology</i> , 2011, 59, 135-219.	2.4	116
3	Introducing [Mn(CO) <sub>3</sub> (tpa- <sup>15</sup> N)] <sup>+</sup> as a novel photoactivatable CO-releasing molecule with well-defined iCORM intermediates for synthesis, spectroscopy, and antibacterial activity. <i>Dalton Transactions</i> , 2014, 43, 9986.	3.3	80
4	Peroxynitrite Toxicity in Escherichia coli K12 Elicits Expression of Oxidative Stress Responses and Protein Nitration and Nitrosylation. <i>Journal of Biological Chemistry</i> , 2010, 285, 20724-20731.	3.4	54
5	Kinetic basis for linking the first two enzymes of chlorophyll biosynthesis. <i>FEBS Journal</i> , 2005, 272, 4532-4539.	4.7	45
6	CO-Releasing Molecules Have Nonheme Targets in Bacteria: Transcriptomic, Mathematical Modeling and Biochemical Analyses of CORM-3 [Ru(CO) <sub>3</sub> Cl(glycinate)] Actions on a Heme-Deficient Mutant of Escherichia coli. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 148-162.	5.4	44
7	Cytochrome bd-I in Escherichia coli is less sensitive than cytochromes bd-II or bo <sup>2</sup> to inhibition by the carbon monoxide-releasing molecule, CORM-3. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1693-1703.	2.3	40
8	Analysis of the Bacterial Response to Ru(CO) <sub>3</sub> Cl(Glycinate) (CORM-3) and the Inactivated Compound Identifies the Role Played by the Ruthenium Compound and Reveals Sulfur-Containing Species as a Major Target of CORM-3 Action. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1999-2012.	5.4	39
9	Carbon Monoxide Gas Is Not Inert, but Global, in Its Consequences for Bacterial Gene Expression, Iron Acquisition, and Antibiotic Resistance. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 1013-1028.	5.4	36
10	Structure of the Zymomonas mobilis respiratory chain: oxygen affinity of electron transport and the role of cytochrome c peroxidase. <i>Microbiology (United Kingdom)</i> , 2014, 160, 2045-2052.	1.8	33
11	Nitrosothiols in Bacterial Pathogens and Pathogenesis. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 309-322.	5.4	22
12	The Broad-Spectrum Antimicrobial Potential of [Mn(CO) <sub>4</sub> (S <sub>2</sub> CNMe(CH <sub>2</sub> CO) <sub>2</sub> H)], a Water-Soluble CO-Releasing Molecule (CORM-401): Intracellular Accumulation, Transcriptomic and Statistical Analyses, and Membrane Polarization. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1286-1308.	5.4	22
13	KatG from Salmonella Typhimurium is a peroxynitritase. <i>FEBS Letters</i> , 2010, 584, 1628-1632.	2.8	20
14	Interaction of the carbon monoxide-releasing molecule Ru(CO) <sub>3</sub> Cl(glycinate) (CORM-3) with Salmonella enterica serovar Typhimurium: in situ measurements of carbon monoxide binding by integrating cavity dual-beam spectrophotometry. <i>Microbiology (United Kingdom)</i> , 2014, 160, 2771-2779.	1.8	20
15	Peroxynitrite stress is exacerbated by flavohaemoglobin-derived oxidative stress in Salmonella Typhimurium and is relieved by nitric oxide. <i>Microbiology (United Kingdom)</i> , 2010, 156, 3556-3565.	1.8	18
16	Transcriptomic Analysis of the Activity and Mechanism of Action of a Ruthenium(II)-Based Antimicrobial That Induces Minimal Evolution of Pathogen Resistance. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 168-178.	4.9	11
17	Facial emotion perception and social competence in children (8 to 16 years old) with genetic generalized epilepsy and temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2019, 100, 106301.	1.7	10
18	An enzyme-coupled continuous spectrophotometric assay for magnesium protoporphyrin IX methyltransferases. <i>Analytical Biochemistry</i> , 2009, 394, 223-228.	2.4	9

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19	Analysis of transcript changes in a heme-deficient mutant of Escherichia coli in response to CORM-3 [Ru(CO)3Cl(glycinate)]. Genomics Data, 2015, 5, 231-234.	1.3	4
20	Accelerated long-term forgetting in children with temporal lobe epilepsy: A timescale investigation of material specificity and executive skills. Epilepsy and Behavior, 2022, 129, 108623.	1.7	4