Sarah E J Bowman

List of Publications by Year
in descending order

18	581	759233 12	839539 18
papers	citations	h-index	g-index

19	19	19	867
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The chemistry and biochemistry of heme c: functional bases for covalent attachment. Natural Product Reports, 2008, 25, 1118.	10.3	177
2	Manganese Binding Properties of Human Calprotectin under Conditions of High and Low Calcium: X-ray Crystallographic and Advanced Electron Paramagnetic Resonance Spectroscopic Analysis. Journal of the American Chemical Society, 2015, 137, 3004-3016.	13.7	65
3	Metalloprotein Crystallography: More than a Structure. Accounts of Chemical Research, 2016, 49, 695-702.	15.6	60
4	Heme Attachment Motif Mobility Tunes Cytochrome c Redox Potential. Biochemistry, 2007, 46, 11753-11760.	2.5	41
5	Native and Unfolded Cytochromecâ€"Comparison of Dynamics using 2D-IR Vibrational Echo Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 10054-10063.	2.6	38
6	Heme-protein vibrational couplings in cytochrome c provide a dynamic link that connects the heme-iron and the protein surface. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8896-8900.	7.1	31
7	Variation and Analysis of Second-Sphere Interactions and Axial Histidinate Character in c-type Cytochromes. Inorganic Chemistry, 2010, 49, 7890-7897.	4.0	30
8	Temperature Dependent Equilibrium Native to Unfolded Protein Dynamics and Properties Observed with IR Absorption and 2D IR Vibrational Echo Experiments. Journal of the American Chemical Society, 2011, 133, 6681-6691.	13.7	26
9	The Influence of Heme Ruffling on Spin Densities in Ferricytochromes c Probed by Heme Core ¹³C NMR. Inorganic Chemistry, 2013, 52, 12933-12946.	4.0	24
10	Methionine Ligand Lability in Bacterial Monoheme Cytochromes c: An Electrochemical Study. Journal of Physical Chemistry B, 2011, 115, 11718-11726.	2.6	17
11	Solution structure and biochemical characterization of a spare part protein that restores activity to an oxygen-damaged glycyl radical enzyme. Journal of Biological Inorganic Chemistry, 2019, 24, 817-829.	2.6	14
12	Structural biology in the time of COVID-19: perspectives on methods and milestones. IUCrJ, 2021, 8, 335-341.	2.2	14
13	Biophysical Examination of the Calcium-Modulated Nickel-Binding Properties of Human Calprotectin Reveals Conformational Change in the EF-Hand Domains and His₃Asp Site. Biochemistry, 2018, 57, 4155-4164.	2.5	13
14	Effects of Protein Structure on Ironâ€"Polypeptide Vibrational Dynamic Coupling in Cytochrome c. Biochemistry, 2015, 54, 1064-1076.	2.5	9
15	Contributions to cytochrome c inner- and outer-sphere reorganization energy. Chemical Science, 2021, 12, 11894-11913.	7.4	9
16	A Searchable Database of Crystallization Cocktails in the PDB: Analyzing the Chemical Condition Space. Patterns, 2020, 1, 100024.	5.9	8
17	Polo: an open-source graphical user interface for crystallization screening. Journal of Applied Crystallography, 2021, 54, 673-679.	4.5	3
18	Deploying Big Data to Crack the Genotype to Phenotype Code. Integrative and Comparative Biology, 2020, 60, 385-396.	2.0	2