

# Sarah E J Bowman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5949530/publications.pdf>

Version: 2024-02-01

18  
papers

581  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

867  
citing authors

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