Justin M Bradley

List of Publications by Citations

26 papers	436 citations	13 h-index	20 g-index
28 ext. papers	565 ext. citations	6.7 avg, IF	3.8 L-index

#	Paper	IF	Citations
26	Probing a complex of cytochrome c and cardiolipin by magnetic circular dichroism spectroscopy: implications for the initial events in apoptosis. *Journal of the American Chemical Society*, **2011**, 133, 19676-9	16.4	63
25	Ferritins: furnishing proteins with iron. *Journal of Biological Inorganic Chemistry*, **2016**, 21, 13-28	3.7	57
24	Mechanisms of iron mineralization in ferritins: one size does not fit all. *Journal of Biological Inorganic Chemistry*, **2014**, 19, 775-85	3.7	54
23	Fe(2+) substrate transport through ferritin protein cage ion channels influences enzyme activity and biomineralization. *Journal of Biological Inorganic Chemistry*, **2015**, 20, 957-69	3.7	24
22	A Diatom Ferritin Optimized for Iron Oxidation but Not Iron Storage. *Journal of Biological Chemistry* , **2015**, 290, 28416-28427	5.4	22
21	Bacterial iron detoxification at the molecular level. *Journal of Biological Chemistry*, **2020**, 295, 17602-17623	5.4	21
20	Diversity of Fe entry and oxidation in ferritins. *Current Opinion in Chemical Biology*, **2017**, 37, 122-128	9.7	19
19	Three Aromatic Residues are Required for Electron Transfer during Iron Mineralization in Bacterioferritin. *Angewandte Chemie - International Edition*, **2015**, 54, 14763-7	16.4	19
18	MCD spectroscopy of hexanuclear Mn(III) salicylaldoxime single-molecule magnets. *Dalton Transactions*, **2010**, 39, 9904-11	4.3	18
17	NosL is a dedicated copper chaperone for assembly of the Cu center of nitrous oxide reductase. *Chemical Science*, **2019**, 10, 4985-4993	9.4	16
16	Mechanisms of iron- and O-sensing by the [4Fe-4S] cluster of the global iron regulator RirA. *ELife*, **2019**, 8,	8.9	14
15	Electron transfer ferredoxins with unusual cluster binding motifs support secondary metabolism in many bacteria. *Chemical Science*, **2018**, 9, 7948-7957	9.4	13
14	Reaction of O with a diiron protein generates a mixed-valent Fe/Fe center and peroxide. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2058-2067	11.5	13
13	Kinetic analysis of copper transfer from a chaperone to its target protein mediated by complex formation. *Chemical Communications*, **2017**, 53, 1397-1400	5.8	12
12	Tyr25, Tyr58 and Trp133 of Escherichia coli bacterioferritin transfer electrons between iron in the central cavity and the ferroxidase centre. *Metallomics*, **2017**, 9, 1421-1428	4.5	11
11	Redox and chemical activities of the hemes in the sulfur oxidation pathway enzyme SoxAX. *Journal of Biological Chemistry*, **2012**, 287, 40350-9	5.4	10
10	Heme ligation and redox chemistry in two bacterial thiosulfate dehydrogenase (TsdA) enzymes. *Journal of Biological Chemistry*, **2019**, 294, 18002-18014	5.4	8

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9	Analysis of Heme Iron Coordination in DGCR8: The Heme-Binding Component of the Microprocessor Complex. *Biochemistry*, **2016**, 55, 5073-83	3.2	7
8	Three Aromatic Residues are Required for Electron Transfer during Iron Mineralization in Bacterioferritin. *Angewandte Chemie*, **2015**, 127, 14976-14980	3.6	7
7	Magnetic circular dichroism spectroscopy of antiferromagnetically coupled hetero-metallic rings [H2NR2][Cr7MF8(O2CCMe3)16]. *Dalton Transactions*, **2008**, 3311-9	4.3	7
6	Iron Oxidation in Escherichia coli Bacterioferritin Ferroxidase Centre, a Site Designed to React Rapidly with H O but Slowly with O. *Angewandte Chemie - International Edition*, **2021**, 60, 8361-8369	16.4	6
5	Routes of iron entry into, and exit from, the catalytic ferroxidase sites of the prokaryotic ferritin SynFtn. *Dalton Transactions*, **2020**, 49, 1545-1554	4.3	5
4	Electrochemical titrations and reaction time courses monitored in situ by magnetic circular dichroism spectroscopy. *Analytical Biochemistry*, **2011**, 419, 110-6	3.1	5
3	Electron Transfer from Haem to the Di-Iron Ferroxidase Centre in Bacterioferritin. *Angewandte Chemie - International Edition*, **2021**, 60, 8376-8379	16.4	5
2	Electron Transfer from Haem to the Di-Iron Ferroxidase Centre in Bacterioferritin. *Angewandte Chemie*, **2021**, 133, 8457-8460	3.6	0
1	Iron Oxidation in Escherichia coli Bacterioferritin Ferroxidase Centre, a Site Designed to React Rapidly with H2O2 but Slowly with O2. *Angewandte Chemie*, **2021**, 133, 8442-8450	3.6	