

David W Randall

List of Publications by Year in descending order

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23
papers

2,175
citations

361413

20
h-index

642732

23
g-index

23
all docs

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docs citations

23
times ranked

1511
citing authors

#	ARTICLE	IF	CITATIONS
1	55Mn ENDOR of the S2-State Multiline EPR Signal of Photosystem II: Implications on the Structure of the Tetranuclear Mn Cluster. <i>Journal of the American Chemical Society</i> , 2000, 122, 10926-10942.	13.7	375
2	Spectroscopy of Mixed-Valence CuA-Type Centers: Ligand-Field Control of Ground-State Properties Related to Electron Transfer. <i>Journal of the American Chemical Society</i> , 1998, 120, 5246-5263.	13.7	192
3	Spectroscopic and Geometric Variations in Perturbed Blue Copper Centers: Electronic Structures of Stellacyanin and Cucumber Basic Protein. <i>Journal of the American Chemical Society</i> , 1998, 120, 9621-9631.	13.7	140
4	Hydrogen Bonding, Solvent Exchange, and Coupled Proton and Electron Transfer in the Oxidation and Reduction of Redox-Active Tyrosine YZ in Mn-Depleted Core Complexes of Photosystem II. <i>Biochemistry</i> , 1998, 37, 17931-17943.	2.5	131
5	Spectroscopic Studies and Electronic Structure Description of the High Potential Type 1 Copper Site in Fungal Laccase: Insight into the Effect of the Axial Ligand. <i>Journal of the American Chemical Society</i> , 1999, 121, 7138-7149.	13.7	128
6	Manganese-Tyrosine Interaction in the Photosystem II Oxygen-Evolving Complex. <i>Journal of the American Chemical Society</i> , 1996, 118, 7638-7639.	13.7	123
7	Spectroscopic and Electronic Structural Studies of Blue Copper Model Complexes. 2. Comparison of Three- and Four-Coordinate Cu(II)-Thiolate Complexes and Fungal Laccase. <i>Journal of the American Chemical Society</i> , 2000, 122, 11632-11648.	13.7	116
8	55Mn ESE-ENDOR of a Mixed Valence Mn(III)Mn(IV) Complex: Comparison with the Mn Cluster of the Photosynthetic Oxygen-Evolving Complex. <i>Journal of the American Chemical Society</i> , 1995, 117, 11780-11789.	13.7	111
9	Electronic structures of active sites in electron transfer metalloproteins: contributions to reactivity. <i>Coordination Chemistry Reviews</i> , 2000, 200-202, 595-632.	18.8	102
10	Proximity of Acetate, Manganese, and Exchangeable Deuterons to Tyrosine YZ in Acetate-Inhibited Photosystem II Membranes: Implications for the Direct Involvement of YZ in Water-Splitting. <i>Biochemistry</i> , 1997, 36, 12062-12070.	2.5	97
11	ESEEM Studies of Alcohol Binding to the Manganese Cluster of the Oxygen Evolving Complex of Photosystem II. <i>Journal of the American Chemical Society</i> , 1998, 120, 13321-13333.	13.7	94
12	2H ESE-ENDOR study of hydrogen bonding to the tyrosine radicals YD.bul. and YZ.bul. of photosystem II. <i>Journal of the American Chemical Society</i> , 1995, 117, 12643-12644.	13.7	93
13	Spectroscopic Investigation of Stellacyanin Mutants: Axial Ligand Interactions at the Blue Copper Site. <i>Journal of the American Chemical Society</i> , 2003, 125, 11314-11328.	13.7	85
14	Spectroscopic and Electronic Structural Studies of Blue Copper Model Complexes. 1. Perturbation of the Thiolate-Cu Bond. <i>Journal of the American Chemical Society</i> , 2000, 122, 11620-11631.	13.7	84
15	ESE-ENDOR and ESEEM Characterization of Water and Methanol Ligation to a Dinuclear Mn(III)Mn(IV) Complex. <i>Journal of the American Chemical Society</i> , 1997, 119, 4481-4491.	13.7	71
16	55Mn Electron Spin Echo ENDOR of Mn ²⁺ Complexes. <i>The Journal of Physical Chemistry</i> , 1994, 98, 12871-12883.	2.9	52
17	X-ray Absorption Edge and EXAFS Studies of the Blue Copper Site in Stellacyanin: Effects of Axial Amide Coordination. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10814-10819.	2.6	50
18	Pulsed EPR Studies of Particulate Methane Monooxygenase from <i>Methylococcus Capsulatus</i> (Bath): Evidence for Histidine Ligation. <i>Journal of the American Chemical Society</i> , 1998, 120, 3247-3248.	13.7	42

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19	Spectroscopic Characterization of Inhibitor Interactions with the Mn(III)/Mn(IV) Core in <i>Lactobacillus plantarum</i> Manganese Catalase. <i>Journal of the American Chemical Society</i> , 1997, 119, 9215-9225.	13.7	39
20	Pulsed ¹ H and ⁵⁵ Mn ENDOR studies of dinuclear Mn(III)Mn(IV) model complexes. <i>Molecular Physics</i> , 1998, 95, 1283-1294.	1.7	23
21	Spectroscopic comparison of the five-coordinate [Cu(SMelm)(HB(3,5-iPr ₂ pz) ₃)] with the four-coordinate [Cu(SCPh ₃)(HB(3,5-iPr ₂ pz) ₃)] : effect of coordination number increase on a blue copper type site. <i>Inorganica Chimica Acta</i> , 2002, 337, 357-365.	2.4	20
22	Progress in Characterization of the Photosystem II Oxygen Evolving Complex Using Advanced EPR Methods. <i>ACS Symposium Series</i> , 1998, , 272-285.	0.5	5
23	Pulsed ¹ H and ⁵⁵ Mn ENDOR studies of dinuclear Mn(III)Mn(IV) model complexes. <i>Molecular Physics</i> , 1998, 95, 1283-1294.	1.7	2