

# Jeffrey J Warren

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51  
papers

2,581  
citations

23  
h-index

50  
g-index

58  
ext. papers

3,035  
ext. citations

10.3  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
51	Thermochemistry of proton-coupled electron transfer reagents and its implications. <i>Chemical Reviews</i> , <b>2010</b> , 110, 6961-7001	68.1	1124
50	Noncovalent immobilization of electrocatalysts on carbon electrodes for fuel production. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18288-91	16.4	169
49	Electron hopping through proteins. <i>Coordination Chemistry Reviews</i> , <b>2012</b> , 256, 2478-2487	23.2	118
48	Predicting organic hydrogen atom transfer rate constants using the Marcus cross relation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 5282-7	11.5	83
47	Tuning of the thermochemical and kinetic properties of ascorbate by its local environment: solution chemistry and biochemical implications. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7784-93	16.4	80
46	Moving protons and electrons in biomimetic systems. <i>Biochemistry</i> , <b>2015</b> , 54, 1863-78	3.2	77
45	Redox properties of tyrosine and related molecules. <i>FEBS Letters</i> , <b>2012</b> , 586, 596-602	3.8	69
44	Inner- and outer-sphere metal coordination in blue copper proteins. <i>Journal of Inorganic Biochemistry</i> , <b>2012</b> , 115, 119-26	4.2	65
43	Surprisingly long-lived ascorbyl radicals in acetonitrile: concerted proton-electron transfer reactions and thermochemistry. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 7546-7	16.4	58
42	CF <sub>3</sub> Derivatives of the Anticancer Ru(III) Complexes KP1019, NKP-1339, and Their Imidazole and Pyridine Analogues Show Enhanced Lipophilicity, Albumin Interactions, and Cytotoxicity. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 4850-63	5.1	52
41	Unexpected Solvent Effect in Electrocatalytic CO to CO Conversion Revealed Using Asymmetric Metalloporphyrins. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 12650-12656	5.1	45
40	Proton-coupled electron transfer reactions at a heme-propionate in an iron-protoporphyrin-IX model compound. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8544-51	16.4	44
39	Long Range Proton-Coupled Electron Transfer Reactions of Bis(imidazole) Iron Tetraphenylporphyrins Linked to Benzoates. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 519-523	6.4	42
38	Hydrogen atom transfer reactions of iron-porphyrin-imidazole complexes as models for histidine-ligated heme reactivity. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 2774-6	16.4	42
37	Lowering water oxidation overpotentials using the ionisable imidazole of copper(2-(2-pyridyl)imidazole). <i>Chemical Communications</i> , <b>2017</b> , 53, 651-654	5.8	39
36	Controlling the Oxygen Reduction Selectivity of Asymmetric Cobalt Porphyrins by Using Local Electrostatic Interactions. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13426-13434	16.4	36
35	Electron flow through nitrotyrosinate in <i>Pseudomonas aeruginosa</i> azurin. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11151-8	16.4	33

34	Activation by Oxidation: Ferrocene-Functionalized Ru(II)-Arene Complexes with Anticancer, Antibacterial, and Antioxidant Properties. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 15247-15261	5.1	33
33	Electrocatalytic Dioxygen Reduction by Carbon Electrodes Noncovalently Modified with Iron Porphyrin Complexes: Enhancements from a Single Proton Relay. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 18072-5	4.8	29
32	Electrocatalytic CO <sub>2</sub> reduction using rhenium(I) complexes with modified 2-(2-pyridyl)imidazole ligands. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 460, 63-68	2.7	27
31	Fluctuating hydrogen-bond networks govern anomalous electron transfer kinetics in a blue copper protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6129-6134	11.5	27
30	Induction of Cytotoxicity in Pyridine Analogues of the Anti-metastatic Ru(III) Complex NAMI-A by Ferrocene Functionalization. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 177-90	5.1	26
29	Hopping Maps for Photosynthetic Reaction Centers(). <i>Coordination Chemistry Reviews</i> , <b>2013</b> , 257, 165-170	3.2	24
28	Comparative study of HOCl-inflicted damage to bacterial DNA ex vivo and within cells. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 493, 135-42	4.1	23
27	Changing the Selectivity of O <sub>2</sub> Reduction Catalysis with One Ligand Heteroatom. <i>ACS Catalysis</i> , <b>2019</b> , 9, 2685-2691	13.1	23
26	Probing Spin-forbidden Oxygen-atom transfer: gas-phase reactions of chromium-porphyrin complexes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4336-43	16.4	20
25	Free Energies of Proton-Coupled Electron Transfer Reagents and Their Applications.. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	20
24	Gating NO release from nitric oxide synthase. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 27-30	16.4	18
23	The interaction between methionine and two aromatic amino acids is an abundant and multifunctional motif in proteins. <i>Archives of Biochemistry and Biophysics</i> , <b>2019</b> , 672, 108053	4.1	17
22	Electrostatic Effects Accelerate Decarboxylase-Catalyzed C-H Fluorination Using [18F]- and [19F]NFSI in Small Molecules and Peptide Mimics. <i>ACS Catalysis</i> , <b>2019</b> , 9, 8276-8284	13.1	16
21	Multifunctional Compounds for Activation of the p53-Y220C Mutant in Cancer. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 17734-17742	4.8	12
20	Heterogeneous Aqueous CO Reduction Using a Pyrene-Modified Rhenium(I) Diimine Complex. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 10454-10461	5.1	11
19	Low Overpotential CO <sub>2</sub> Activation by a Graphite-Adsorbed Cobalt Porphyrin. <i>ACS Catalysis</i> , <b>2020</b> , 10, 12284-12291	13.1	10
18	Recent Developments in Metalloporphyrin Electrocatalysts for Reduction of Small Molecules: Strategies for Managing Electron and Proton Transfer Reactions. <i>ChemSusChem</i> , <b>2021</b> , 14, 293-302	8.3	9
17	Photochemical proton-coupled C-H activation: an example using aliphatic fluorination. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 30907-30911	3.6	8

16	Using an artificial tryptophan "wire" in cytochrome c peroxidase for oxidation of organic substrates. <i>Dalton Transactions</i> , <b>2017</b> , 46, 11078-11083	4.3	7
15	A Euclidean Perspective on the Unfolding of Azurin: Spatial Correlations. <i>Molecular Physics</i> , <b>2013</b> , 111, 922-929	1.7	7
14	Euclidean perspective on the unfolding of azurin: angular correlations. <i>Molecular Physics</i> , <b>2013</b> , 111, 3762-3769	3.7	5
13	Syntheses, characterization, and electrochemical behavior of alkylated 2-(2'-quinolyl)benzimidazole complexes of rhenium (I). <i>Canadian Journal of Chemistry</i> , <b>2018</b> , 96, 119-123	0.9	5
12	A single protein redox ruler. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 248-50	11.5	4
11	A Euclidean perspective on the unfolding of azurin: chain motion. <i>Journal of Biological Inorganic Chemistry</i> , <b>2014</b> , 19, 555-63	3.7	4
10	A hemeDNAzyme activated by hydrogen peroxide catalytically oxidizes thioethers by direct oxygen atom transfer rather than by a Compound I-like intermediate. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 1803-1815	20.1	4
9	Heterogeneous aqueous CO reduction by rhenium(I) tricarbonyl diimine complexes with a non-chelating pendant pyridyl group. <i>Dalton Transactions</i> , <b>2020</b> , 49, 7078-7083	4.3	3
8	Proton-coupled electron hopping in Ru-modified <i>P. aeruginosa</i> azurin. <i>Journal of Biological Inorganic Chemistry</i> , <b>2016</b> , 21, 113-9	3.7	3
7	Catalytic reduction of dioxygen with modified <i>Thermus thermophilus</i> cytochrome c552. <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 157, 8-14	4.2	3
6	A survey of methionine-aromatic interaction geometries in the oxidoreductase class of enzymes: What could Met-aromatic interactions be doing near metal sites?. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 186, 34-41	4.2	2
5	Electron Transfer Proteins <b>2020</b> , 3-3		1
4	Kinetics of CO Recombination to the Heme in Nitric Oxide Synthase. <i>Polyhedron</i> , <b>2013</b> , 58, 134-138	2.7	1
3	Photo-initiated oxidation of C-H bonds by diimine complexes of vanadium(V). <i>Chemical Communications</i> , <b>2021</b> , 57, 4007-4010	5.8	1
2	Light-Activated Electron Transfer and Turnover in Ru-Modified Aldehyde Deformylating Oxygenases. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 8211-8217	5.1	1
1	Cofactor Dynamics Couples the Protein Surface to the Heme in Cytochrome c, Facilitating Electron Transfer.. <i>Journal of Physical Chemistry B</i> , <b>2022</b> , 126, 3522-3529	3.4	