

Jeffrey J Warren

List of Publications by Year in Descending Order

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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	Cofactor Dynamics Couples the Protein Surface to the Heme in Cytochrome , Facilitating Electron Transfer.. <i>Journal of Physical Chemistry B</i> , 2022 , 126, 3522-3529	3.4	
50	Free Energies of Proton-Coupled Electron Transfer Reagents and Their Applications.. <i>Chemical Reviews</i> , 2021 ,	68.1	20
49	Recent Developments in Metalloporphyrin Electrocatalysts for Reduction of Small Molecules: Strategies for Managing Electron and Proton Transfer Reactions. <i>ChemSusChem</i> , 2021 , 14, 293-302	8.3	9
48	Photo-initiated oxidation of C-H bonds by diimine complexes of vanadium(V). <i>Chemical Communications</i> , 2021 , 57, 4007-4010	5.8	1
47	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> , 2021 , 49, 1803-1815	20.1	4
46	Heterogeneous aqueous CO reduction by rhenium(i) tricarbonyl diimine complexes with a non-chelating pendant pyridyl group. <i>Dalton Transactions</i> , 2020 , 49, 7078-7083	4.3	3
45	Electron Transfer Proteins 2020 , 3-3		1
44	Low Overpotential CO ₂ Activation by a Graphite-Adsorbed Cobalt Porphyrin. <i>ACS Catalysis</i> , 2020 , 10, 12284-12291	13.1	10
43	Controlling the Oxygen Reduction Selectivity of Asymmetric Cobalt Porphyrins by Using Local Electrostatic Interactions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13426-13434	16.4	36
42	Electrostatic Effects Accelerate Decatungstate-Catalyzed C-H Fluorination Using [18F]- and [19F]NFSI in Small Molecules and Peptide Mimics. <i>ACS Catalysis</i> , 2019 , 9, 8276-8284	13.1	16
41	Heterogeneous Aqueous CO Reduction Using a Pyrene-Modified Rhenium(I) Diimine Complex. <i>Inorganic Chemistry</i> , 2019 , 58, 10454-10461	5.1	11
40	The interaction between methionine and two aromatic amino acids is an abundant and multifunctional motif in proteins. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 672, 108053	4.1	17
39	Changing the Selectivity of O ₂ Reduction Catalysis with One Ligand Heteroatom. <i>ACS Catalysis</i> , 2019 , 9, 2685-2691	13.1	23
38	Syntheses, characterization, and electrochemical behavior of alkylated 2-(2'-quinolyl)benzimidazole complexes of rhenium (I). <i>Canadian Journal of Chemistry</i> , 2018 , 96, 119-123	0.9	5
37	Activation by Oxidation: Ferrocene-Functionalized Ru(II)-Arene Complexes with Anticancer, Antibacterial, and Antioxidant Properties. <i>Inorganic Chemistry</i> , 2018 , 57, 15247-15261	5.1	33
36	Multifunctional Compounds for Activation of the p53-Y220C Mutant in Cancer. <i>Chemistry - A European Journal</i> , 2018 , 24, 17734-17742	4.8	12
35	Unexpected Solvent Effect in Electrocatalytic CO to CO Conversion Revealed Using Asymmetric Metalloporphyrins. <i>Inorganic Chemistry</i> , 2018 , 57, 12650-12656	5.1	45

34	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> , 2018 , 186, 34-41	4.2	2
33	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> , 2018 , 115, 6129-6134	11.5	27
32	Light-Activated Electron Transfer and Turnover in Ru-Modified Aldehyde Deformylating Oxygenases. <i>Inorganic Chemistry</i> , 2018 , 57, 8211-8217	5.1	1
31	Lowering water oxidation overpotentials using the ionisable imidazole of copper(2-(2-pyridyl)imidazole). <i>Chemical Communications</i> , 2017 , 53, 651-654	5.8	39
30	Using an artificial tryptophan "wire" in cytochrome c peroxidase for oxidation of organic substrates. <i>Dalton Transactions</i> , 2017 , 46, 11078-11083	4.3	7
29	Electrocatalytic CO ₂ reduction using rhenium(I) complexes with modified 2-(2-pyridyl)imidazole ligands. <i>Inorganica Chimica Acta</i> , 2017 , 460, 63-68	2.7	27
28	Photochemical proton-coupled C-H activation: an example using aliphatic fluorination. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30907-30911	3.6	8
27	Proton-coupled electron hopping in Ru-modified <i>P. aeruginosa</i> azurin. <i>Journal of Biological Inorganic Chemistry</i> , 2016 , 21, 113-9	3.7	3
26	Catalytic reduction of dioxygen with modified <i>Thermus thermophilus</i> cytochrome c552. <i>Journal of Inorganic Biochemistry</i> , 2016 , 157, 8-14	4.2	3
25	A single protein redox ruler. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 248-50	11.5	4
24	Induction of Cytotoxicity in Pyridine Analogues of the Anti-metastatic Ru(III) Complex NAMI-A by Ferrocene Functionalization. <i>Inorganic Chemistry</i> , 2016 , 55, 177-90	5.1	26
23	CF ₃ 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> , 2016 , 55, 4850-63	5.1	52
22	Moving protons and electrons in biomimetic systems. <i>Biochemistry</i> , 2015 , 54, 1863-78	3.2	77
21	Electrocatalytic Dioxygen Reduction by Carbon Electrodes Noncovalently Modified with Iron Porphyrin Complexes: Enhancements from a Single Proton Relay. <i>Chemistry - A European Journal</i> , 2015 , 21, 18072-5	4.8	29
20	A Euclidean perspective on the unfolding of azurin: chain motion. <i>Journal of Biological Inorganic Chemistry</i> , 2014 , 19, 555-63	3.7	4
19	Electron flow through nitrotyrosinate in <i>Pseudomonas aeruginosa</i> azurin. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11151-8	16.4	33
18	Kinetics of CO Recombination to the Heme in Nitric Oxide Synthase. <i>Polyhedron</i> , 2013 , 58, 134-138	2.7	1
17	Hopping Maps for Photosynthetic Reaction Centers(). <i>Coordination Chemistry Reviews</i> , 2013 , 257, 165-170	3.2	24

16	Noncovalent immobilization of electrocatalysts on carbon electrodes for fuel production. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18288-91	16.4	169
15	Long Range Proton-Coupled Electron Transfer Reactions of Bis(imidazole) Iron Tetraphenylporphyrins Linked to Benzoates. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 519-523	6.4	42
14	A Euclidean Perspective on the Unfolding of Azurin: Spatial Correlations. <i>Molecular Physics</i> , 2013 , 111, 922-929	1.7	7
13	Euclidean perspective on the unfolding of azurin: angular correlations. <i>Molecular Physics</i> , 2013 , 111, 3762-3769	1.7	7
12	Electron hopping through proteins. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 2478-2487	23.2	118
11	Inner- and outer-sphere metal coordination in blue copper proteins. <i>Journal of Inorganic Biochemistry</i> , 2012 , 115, 119-26	4.2	65
10	Gating NO release from nitric oxide synthase. <i>Journal of the American Chemical Society</i> , 2012 , 134, 27-30	16.4	18
9	Redox properties of tyrosine and related molecules. <i>FEBS Letters</i> , 2012 , 586, 596-602	3.8	69
8	Proton-coupled electron transfer reactions at a heme-propionate in an iron-protoporphyrin-IX model compound. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8544-51	16.4	44
7	Probing spin-forbidden oxygen-atom transfer: gas-phase reactions of chromium-porphyrin complexes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4336-43	16.4	20
6	Comparative study of HOCl-inflicted damage to bacterial DNA ex vivo and within cells. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 493, 135-42	4.1	23
5	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> , 2010 , 132, 7784-93	16.4	80
4	Thermochemistry of proton-coupled electron transfer reagents and its implications. <i>Chemical Reviews</i> , 2010 , 110, 6961-7001	68.1	1124
3	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> , 2010 , 107, 5282-7	11.5	83
2	Surprisingly long-lived ascorbyl radicals in acetonitrile: concerted proton-electron transfer reactions and thermochemistry. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7546-7	16.4	58
1	Hydrogen atom transfer reactions of iron-porphyrin-imidazole complexes as models for histidine-ligated heme reactivity. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2774-6	16.4	42