

# Charles P Scholes

## List of Publications by Citations

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22  
papers

892  
citations

14  
h-index

22  
g-index

22  
ext. papers

943  
ext. citations

7.7  
avg, IF

3.18  
L-index

#	Paper	IF	Citations
22	Porphyrin-phospholipid liposomes permeabilized by near-infrared light. <i>Nature Communications</i> , <b>2014</b> , 5, 3546	17.4	238
21	Spectroscopic, kinetic, and electrochemical characterization of heterologously expressed wild-type and mutant forms of copper-containing nitrite reductase from <i>Rhodobacter sphaeroides</i> 2.4.3. <i>Biochemistry</i> , <b>1998</b> , 37, 6086-94	3.2	95
20	EPR-ENDOR characterization of (17O, 1H, 2H) water in manganese catalase and its relevance to the oxygen-evolving complex of photosystem II. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1504-12	16.4	76
19	Kinetics and motional dynamics of spin-labeled yeast iso-1-cytochrome c: 1. Stopped-flow electron paramagnetic resonance as a probe for protein folding/unfolding of the C-terminal helix spin-labeled at cysteine 102. <i>Biochemistry</i> , <b>1997</b> , 36, 2884-97	3.2	60
18	Electronic structural information from Q-band ENDOR on the type 1 and type 2 copper liganding environment in wild-type and mutant forms of copper-containing nitrite reductase. <i>Biochemistry</i> , <b>1998</b> , 37, 6095-105	3.2	59
17	Catalytic function and local proton structure at the type 2 copper of nitrite reductase: the correlation of enzymatic pH dependence, conserved residues, and proton hyperfine structure. <i>Biochemistry</i> , <b>2002</b> , 41, 7464-74	3.2	54
16	Tunable Q-band resonator for low temperature electron paramagnetic resonance/electron nuclear double resonance measurements. <i>Review of Scientific Instruments</i> , <b>1996</b> , 67, 2134-2138	1.7	47
15	Dielectric resonator-based stopped-flow electron paramagnetic resonance. <i>Review of Scientific Instruments</i> , <b>1994</b> , 65, 68-74	1.7	41
14	Iron Coordination of Activated Bleomycin Probed by Q- and X-Band ENDOR: Hyperfine Coupling to Activated 17O Oxygen, 14N, and Exchangeable 1H. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 7508-7512	16.4	40
13	Characterization of a member of the NnrR regulon in <i>Rhodobacter sphaeroides</i> 2.4.3 encoding a haem-copper protein. <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 825-833	2.9	37
12	Q-band ENDOR (electron nuclear double resonance) of the high-affinity ubisemiquinone center in cytochrome bo3 from <i>Escherichia coli</i> . <i>Biochemistry</i> , <b>2000</b> , 39, 3169-75	3.2	31
11	Q-band Electron Nuclear Double Resonance of Ferric Bleomycin and Activated Bleomycin Complexes with DNA: Fe(III) Hyperfine Interaction with 31P and DNA-Induced Perturbation to Bleomycin Structure. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 1030-1033	16.4	23
10	Anisotropic Fermi couplings due to large unquenched orbital angular momentum: Q-band (1)H, (14)N, and (11)B ENDOR of bis(trispyrazolylborate) cobalt(II). <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 10421-9	16.4	22
9	X-Band ENDOR of the Liganding Environment from the Radical X Intermediate of <i>Escherichia coli</i> Ribonucleotide Reductase. <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 3702-3705	5.1	19
8	Q-Band ENDOR (Electron Nuclear Double Resonance) of the Heme o3 Liganding Environment at the Binuclear Center in Cytochrome bo3 from <i>Escherichia coli</i> . <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 8712-8716	16.4	12
7	The role of arginine-127 at the proximal NO-binding site in determining the electronic structure and function of 5-coordinate NO-heme in cytochrome caof <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , <b>2009</b> , 48, 8985-93	3.2	8
6	Method of Rapid Mix EPR Applied to the Folding of BiSpin-Labeled Protein as a Probe for the Dynamic Onset of Interaction between Sequentially Distant Side Chains. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 9463-9468	3.4	8

- 5 Purple Fibrils: A New Type of Protein Chromophore. *Journal of the American Chemical Society*, **2017**, 139, 9755-9758 16.4 7
- 4 Pulse dipolar ESR of doubly labeled mini TAR DNA and its annealing to mini TAR RNA. *Biophysical Journal*, **2015**, 108, 893-902 2.9 5
- 3 Cryogenic photolysis of activated bleomycin to ferric bleomycin. *Journal of Physical Chemistry B*, **2006**, 110, 20702-9 3.4 4
- 2 Exchangeable proton ENDOR as a probe of the redox-active iron center in activated bleomycin and ferric bleomycin. *Dalton Transactions*, **2017**, 46, 13263-13272 4.3 3
- 1 ENDOR determination of the distance between bleomycin-bound iron and 19F of 2afluorocytidine in a DNA target sequence. *Journal of the American Chemical Society*, **2001**, 123, 12742-3 16.4 3