

## Bruce E. Bowler Publications

### Research, review articles and patents:

1. **Bowler, B. E.**, Hollis, L. S., and Lippard, S. J. (1984). Synthesis and DNA binding and photonic properties of acridine orange linked by a polymethylene tether to (1,2-diaminoethane)dichloroplatinum(II). *J. Am. Chem. Soc.* *106*, 6102-6104. [doi:10.1021/ja00332a070](https://doi.org/10.1021/ja00332a070)
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3. **Bowler, B. E.**, and Lippard, S. J. (1989). Platinum-intercalative complexes for the treatment of cancer. U.S. Patent 4,843,161; EPO Pat. 0 163 316 (issued May 16, 1990); Canadian Pat. Appl. 482,918 (1985) approved Dec. 27, 1989. <http://patents.com/us-4843161.html>
4. **Bowler, B. E.**, Ahmed, K., Sundquist, W. I., Hollis, L. S., Whang, E., and Lippard, S. J. (1989). Synthesis, characterization, and DNA-binding properties of (1,2-diaminoethane)dichloroplatinum(II) complexes linked to the DNA intercalator acridine orange by trimethylene and hexamethylene chains. *J. Am. Chem. Soc.* *111*, 1299-1306. [doi:10.1021/ja00186a022](https://doi.org/10.1021/ja00186a022)
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7. **Bowler, B. E.**, Raphael, A. L., and Gray, H. B. (1990). Long-range electron transfer in donor(spacer)acceptor molecules and proteins. *Prog. Inorg. Chem.* *38*, 259-323. [doi:10.1002/9780470166390.ch5.summary](https://doi.org/10.1002/9780470166390.ch5.summary)
8. Therien, M. J., **Bowler, B. E.**, Selman, M. A., Gray, H. B., Chang, I. J., and Winkler, J. R. (1991). Long-range electron transfer in heme proteins: Porphyrin-ruthenium electronic couplings in three Ru(His)Zn cytochromes *c*. In *Adv. Chem. Ser. Vol 228, Electron Transfer in Inorganic, Organic, and Biological Systems* (J. Bolton, G.L. McLendon, N. Mataga, Eds.) pp. 191-199 American Chemical Society: Washington, DC. [doi:10.1021/ba-1991-0228.ch012](https://doi.org/10.1021/ba-1991-0228.ch012)
9. Therien, M. J., Chang, J., Raphael, A. L., **Bowler, B. E.**, and Gray, H. B. (1991). Long-range electron transfer in metalloproteins. *Struct Bond.* *75*, 109-129. [doi:10.1007/3-540-53260-9\\_4](https://doi.org/10.1007/3-540-53260-9_4)

10. **Bowler, B. E.**, Dong, A., and Caughey, W. S. (1993). Effects of surface mutations on protein stability: A role for the denatured state. In *Miami Short Reports, Volume 3, Advances in Gene Technology: Protein Engineering and Beyond* (Brew, K. et al. Eds.) p. 8, Oxford University Press.
11. **Bowler, B. E.**, May, K.,\* Zaragoza, T.,\* York, P.,\* Dong, A., and Caughey, W.S. (1993). Destabilizing effects of replacing a surface lysine of cytochrome *c* with aromatic amino acids: Implications for the denatured state. *Biochemistry* 32, 183-190. [doi:10.1021/bi00052a024](https://doi.org/10.1021/bi00052a024)
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14. Herrmann, L. M., Flatt, P.,\* and **Bowler, B. E.** (1996). Site-directed replacement of the invariant lysine 73 of *S. cerevisiae* iso-1-cytochrome *c* with all ribosomally-encoded amino acids. *Inorg. Chim. Acta* 242, 97-103.
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