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Publications

PUBLICATIONS

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- **Determination of Thiol Protonation States by Sulfur X-ray Spectroscopy in Biological Systems** *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*
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- **Experimental electronic structures of the FeIV=O bond in S=1 heme vs. nonheme sites: Effect of the porphyrin ligand.** *Proceedings of the National Academy of Sciences of the United States of America*
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- **Nuclear Resonance Vibrational Spectroscopy Definition of Peroxy Intermediates in Catechol Dioxygenases: Factors that Determine Extra-versus Intradiol Cleavage.** *Journal of the American Chemical Society*
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2023
- **Mechanisms of O₂ Activation by Mononuclear Non-Heme Iron Enzymes.** *Biochemistry*
Solomon, E. I., DeWeese, D. E., Babicz, J. T.
2021
- **Direct coordination of pterin to FeII enables neurotransmitter biosynthesis in the pterin-dependent hydroxylases.** *Proceedings of the National Academy of Sciences of the United States of America*

- Iyer, S. R., Tidemand, K. D., Babicz, J. T., Jacobs, A. B., Gee, L. B., Haahr, L. T., Yoda, Y., Kurokuzu, M., Kitao, S., Saito, M., Seto, M., Christensen, H. E., Peters, et al
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