

Peer Reviewed Publications

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Publication indicators

Peer reviewed publications 119; Total citations (WOS): 8'600, H-Index: 43

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[Google Scholar](#)

- [119] Bopp, C. E.; Bernet, N. M.; Meyer, F.; Khan, R.; Kohler, H.-P. E.; Buller, R.; Hofstetter, T. B. Elucidating the role of O₂ uncoupling for the adaptation of bacterial biodegradation reactions catalyzed by Rieske Oxygenases. *ACS Environmental Au* **2024**, *4*, <https://doi.org/10.1021/acsenvironau.4c00016>.
- [118] Hofstetter, T. B.; Bakkour, R.; Buchner, D.; Eisenmann, H.; Fischer, A.; Gehre, M.; Haderlein, S. B.; Höhener, P.; Hunkeler, D.; Imfeld, G.; Jochmann, M.; Kuemmel, S.; Martin, P.; Pati, S. G.; Schmidt, T. C.; Vogt, C.; Elsner, M. Perspectives for compound-specific isotope analysis of organic water contaminants. *Nature Water* **2024**, *2*, 14–30, <https://doi.org/10.1038/s44221-023-00176-4>.
- [117] Bernet, N. M.; Hofstetter, T. B. Advances in oxygen isotope analysis of phosphate by electrospray Orbitrap mass spectrometry for studying the microbial metabolism of microorganisms. *CHIMIA* **2024**, *78*, 256–260, <https://doi.org/10.2533/chimia.2024.256>.
- [116] Bopp, C. E.; Bernet, N. M.; Pati, S. G.; Hofstetter, T. B. Characterization of O₂ Uncoupling in Biodegradation Reactions of Nitroaromatic Contaminants Catalyzed by Rieske Oxygenases. In *Mononuclear Non-heme Iron-Dependent Enzymes*; Bridwell-Rabb, J., Ed.; Methods in Enzymology; Academic Press, **2024**, Vol. 703; <https://doi.org/10.1016/bs.mie.2024.05.010>.
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- [113] Bopp, C. E.; Bolotin, J.; Pati, S. G.; Hofstetter, T. B. Managing argon interference during measurements of ¹⁸O/¹⁶O ratios in O₂ by continuous-flow isotope ratio mass spectrometry. *Anal. Bioanal. Chem.* **2022**, *414*, 6177–6186, <https://doi.org/10.1007/s00216-022-04184-3>.
- [112] Pati, S. G.; Bopp, C. E.; Kohler, H.-P. E.; Hofstetter, T. B. Substrate-specific coupling of O₂ activation to hydroxylations of aromatic compounds by Rieske non-heme iron dioxygenases. *ACS Catal.* **2022**, *12*, 6444–6456, <https://doi.org/10.1021/acscatal.2c00383>.
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