

12 publications significatives

From Hydrogenase Mimics to Noble-Metal Free Hydrogen-Evolving Electrocatalytic Nanomaterials. A. Le Goff, V. Artero, B. Jusselme, N. Guillet, R. Métayé, A. Fihri, S. Palacin, **M. Fontecave**. *Science* 2009, 326, 1384-1387

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FAD/Folate-Dependent tRNA Methyltransferase: Flavin as a new methyl-transfer agent. D. Hamdane, M. Argentini, D. Cornu, B. Golinelli-Pimpaneau, **M. Fontecave**. *J. Am. Chem. Soc.* 2012, 134, 19739-19745

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The [FeFe]-hydrogenase maturation protein HydF : Structural and Functional Characterization. G. Caserta, L. Pecqueur, A. Adamska-Venkatesh, C. Papini, S. Roy, V. Artero, M. Atta, E. Reijerse, W. Lubitz, **M. Fontecave**. *Nature Chem. Biol.* 2017, 13, 779-784

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Molecular polypyridine-based metal complexes as catalysts for the reduction of CO<sub>2</sub>  
N. Elgrishi, M. B. Chambers, X. Wang, **M. Fontecave**. *Chem Soc. Rev.* 2017 46, 761-796

Pyranopterin Related Dithiolene Molybdenum Complexes as Homogeneous Catalysts for CO<sub>2</sub> Photoreduction. T. Fogeron, P. Retailleau, L.-M. Chamoreau, Y. Li, **M. Fontecave**. *Angew. Chem. Int. Ed. Engl.* 2018, 57, 17033-17037

Electroreduction of CO<sub>2</sub> on Single-Site Copper-Nitrogen-Doped Carbon Material: Selective Formation of Ethanol and Reversible Restructuration of the Metal Sites. D. Karapinar, Ngoc Tran Huan, N. Ranjbar Sahaie, D. W. Wakerley, N. Touati, S. Zanna, D. Taverna, L.H. Galvão Tizei, A. Zitolo, F. Jaouen, V. Mougél, **M. Fontecave**. *Angew. Chem. Int. Ed. Engl.* 2019, 58, 15098-15103

Low-cost high efficiency system for solar-driven conversion of CO<sub>2</sub> to hydrocarbons. Huan Ngoc Tran, D. Alves Dalla Corte, S. Lamaison, L. Lutz, N. Menguy, M. Foldyna, S.-H.

Turren-Cruz, A. Hagfeldt, F. Bella, **M. Fontecave**, V. Mougel. *Proc. Natl. Acad. Sci.* 2019, 116, 9735-9740

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