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**374-** Spectroscopic Investigations of a semi-synthetic [FeFe] hydrogenase with propane di-selenol as bridging ligand in the bi-nuclear subsite: comparison to the wild type and propane di-thiol variants  
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**375-** Talin targeting by a unique *Shigella* IpaA vinculin binding site promotes cell adhesions' formation  
C. Valencia-Gallardo, C. Bou-Nader, D. Aguilar-Salvador, N. Carayol, N. Quenech'Du, L. Pecqueur, H. Park, M. Fontecave, T. Izard, G. Tran Van Nhieu  
*Journal of Cell Biology* 2018 (soumis)

**376-** Electrostatic potential in tRNA-binding evolution of dihydrouridine synthases  
C. Bou-Nader, D. Bregeon, L. Pecqueur, V. Guerineau, M. Fontecave, D. Hamdane  
*Biochemistry* 2018, 57, 5407-5414

**377-** Molecular basis for transfer RNA substrate recognition by human dihydrouridine synthase  
C. Bou-Nader, P. Barraud, L. Pecqueur, J. Pérez, C. Velours, M. Fontecave, C. Tisé and D. Hamdane

*Nucl. Acid Res.* 2018 (sous presse)

**378-** Low-cost high efficiency system for solar-driven conversion of CO<sub>2</sub> to hydrocarbons

Huan Ngoc Tran,<sup>1</sup> Daniel Alves Dalla Corte,<sup>2</sup> Sarah Lamaison,<sup>1</sup> Lukas Lutz,<sup>2</sup> Nicolas Menguy,<sup>3</sup> Martin Foldyna,<sup>4</sup> Silver-Hamill Turren-Cruz,<sup>5,6</sup> Anders Hagfeldt,<sup>6</sup> Federico Bella,<sup>7</sup> Marc Fontecave\*,<sup>1</sup> Victor Mougel\*.<sup>1</sup>

*Proc. Natl. Acad. Sci.* 2018 (sous presse)

**379-** A molecularly defined heterogeneous catalyst: selective CO<sub>2</sub> electroreduction to ethanol on copper single sites

D. Karapinar, Ngoc Tran Huan, N. Ranjbar Sahraie, D. W. Wakerley, N. Touati, S. Zanna, D. Taverna, L.H. Galvão Tizei, A. Zitolo, F. Jaouen, V. Mougel, M. Fontecave  
*Nature* 2018 (soumis)

**380-** Immobilization of a full photosystem in the large pore MIL-101 Metal-organic Framework for CO<sub>2</sub> reduction

X. Wang, F. M. Wisser, J. Canivet, M. Fontecave, C. Mellot-Draznieks  
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**381-** Nickel complexes based on molybdopterin-like dithiolenes: catalysts for CO<sub>2</sub> electroreduction

T. Fogeron, P. Retailleau, M. Gomez-Mingot, Y. Li, M. Fontecave  
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**382-** 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  
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**383-** A soluble metabolon synthesizes the isoprenoid lipid Ubiquinone

M. Hajj Chehade, L. Pelosi, C. D. Fyfe, L. Loiseau, B. Rascalou, S. Brugière, K. Kazemzadeh, Chau-Duy-Tam Vo, L. Aussel, Y. Couté, M. Fontecave, F. Barras, M. Lombard, F. Pierrel

*Proc. Natl. Acad. Sci.* 2018 (soumis)

**384-** Zn-Cu alloy nanofoams as efficient catalysts for CO<sub>2</sub> reduction to syngas mixtures with potential-independent H<sub>2</sub>:CO ratio

S. Lamaison, D. Wakerley, D. Montero, G. Rousse, D. Taverna, D. Giaume, Huan Ngoc Tran, M. Fontecave, V. Mougel  
*ChemSusChem* 2018 (soumis)

**385-** A molecularly defined heterogeneous catalyst: selective CO<sub>2</sub> electroreduction to ethanol on copper single sites

D. Karapinar, Ngoc Tran Huan, N. Ranjbar Sahraie, D. Wakerley, N. Touati, S. Zanna, D. Taverna, L. H. Galvão Tizei, A. Zitolo, F. Jaouen, V. Mougel, M. Fontecave  
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