

Development and characterization of molecular water oxidation catalyst

Antoni Llobet

The tutorial lecture will present the basic principles required for the design and development of efficient and oxidatively rugged molecular water oxidation catalysts (mol-WOCs).^[1-2] A detailed analysis of the main parameters needed for the proper evaluation and performance of mol-WOCs activity will be described. Further, the main deactivation pathways potentially associated with the mol-WOCs will be discussed.

References:

[1] Matheu, R., Llobet et al. *Nature Rev. Chem.* **2019**, *3*, 331–341.

[2] Matheu, R.; Ertem, Z. M.; Gimbert-Suriñach, C.; Llobet, A. *Chem. Rev.*, **2019**, *119*, 3453-3471