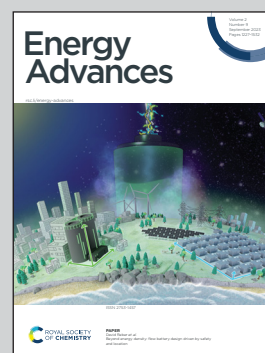


Showcasing research from Prof. Yamaguchi's lab at Tokyo Institute of Technology, performed in educational collaboration with graduate students in Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI) program.

Machine learning-aided unraveling of the importance of structural features for the electrocatalytic oxygen evolution reaction on multimetal oxides based on their A-site metal configurations

Artificial intelligence technology, such as machine learning (ML), recently propels social and technological innovation to unprecedented scales. The state-of-the-art ML analysis uncovers crystal structure-based comprehensive descriptors for the performance of multimetal oxide electrocatalysts for oxygen evolution reaction (OER) in hydrogen production *via* water splitting. This finding is useful for rational and rapid design of promising OER electrocatalysts.

As featured in:



See Yuuki Sugawara, Takeo Yamaguchi *et al.*, *Energy Adv.*, 2023, 2, 1351.