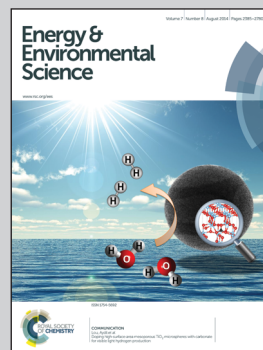


Showcasing research from Dr Yuriy Roman-Leshkov's Group at the Department of Chemical Engineering, Massachusetts Institute of Technology, USA.

Title: Insights into the catalytic activity and surface modification of MoO_3 during the hydrodeoxygenation of lignin-derived model compounds into aromatic hydrocarbons under low hydrogen pressures

Molybdenum trioxide undergoes partial surface carburization reactions to become a superb HDO catalyst capable of converting phenolic derivatives into aromatics in high yields and hydrogen pressures < 1 bar.

As featured in:



See Román-Leshkov et al., *Energy Environ. Sci.*, 2014, 7, 2660.



www.rsc.org/ees

Registered charity number: 207890