

Bio:

Javier Pérez-Ramírez studied Chemical Engineering at the University of Alicante, Spain and earned his PhD degree at TUDelft, Netherlands in 2002. Since 2010, he is full professor of Catalysis Engineering at the Institute for Chemical and Bioengineering of the ETH Zurich. His team pursues the design of heterogeneous catalysts and reactor concepts devoted to sustainable technologies. Topics of current interest include natural gas functionalization, carbon dioxide valorization, biomass to chemicals and fuels, the manufacture of specialty chemicals, and the rational understanding of catalyst scale up. He is responsible for educating undergraduate students at ETH Zurich in reaction engineering and catalysis, emphasizing the vital importance of these disciplines to tackle the current and future energy and environmental challenges of society. He has published over 375 articles and is co-inventor of 16 patents, several of which are under industrial exploitation. His contributions have been recognized by several awards like the Otto-Roelen-Medal (2012), the EFCATS Young Researcher Award (2013), and the Beilby Medal and Prize (2014). He is Associate Editor of Catalysis Science and Technology, the RSC's flagship catalysis journal.