



A critical review presented by Professor Gabriele Centi and Siglinda Perathoner CASPE (Catalysis for Sustainable Production and Energy) Laboratory, Dept. ChiBioFarAm, University of Messina, Italy.

Making chemicals from the air: the new frontier for hybrid electrosyntheses in artificial tree-like devices

Making chemicals from the air showcases the new frontier for hybrid electrosyntheses in artificial tree-like devices, discussing the advances in the three necessary components: i) capturing H_2O , N_2 and CO_2 from the air, ii) converting them electrochemically and iii) eventually using the products of electrochemical conversion as feed for microbial upgrading. The production of fertilisers and food components from the air is specifically discussed.

As featured in:



See Gabriele Centi and Siglinda Perathoner, *Green Chem.*, 2024, 26, 15.