

ENERGETICS

FBK - Proton conductive ceramic cells for FC/EL and for compression / separation (N₂, cracking NH₃, H₂/H₂O)

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Context of the research activity	Future of ceramic cells: proton conducting cells, for use in electrolysis, power generation, but also hydrogen recovery
Objectives	o Performance tests of Proton conductive ceramic cell for FC/EL but particularly for Compression separation (from N ₂ , cracking NH ₃ , H ₂ /H ₂ O) o Durability test or AST on PCC
Skills and competencies for the development of the activity	Electrochemical cells Hydrogen technologies Thermodynamics and heat transfer Modeling of ceramic cells Experimental assessment of ceramic cells