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Autore	Al-Baghdadi Maher A. R. Sadiq
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""2.4. SOLUTION ALGORITHM""""2.5. MODELLING PARAMETERS""; ""2.6. BOUNDARY CONDITIONS""; ""3. PLANAR AIR-BREATHING PEM FUEL CELL""; ""3.1. INTRODUCTION""; ""3.2. MODELLING DOMAIN AND GEOMETRY""; ""3.3. COMPUTATIONAL PROCEDURE""; ""3.4. RESULTS""; ""3.4.1. Velocity Profile""; ""3.4.2. Oxygen Distribution""; ""3.4.3. Hydrogen Distribution""; ""3.4.4. Current Density Distribution""; ""3.4.5. Cell Temperature Distribution""; ""3.4.6. Activation Overpotential Distribution""; ""3.4.7. Ohmic Overpotential Distribution""; ""3.4.8. Membrane Overpotential Distribution"" ""3.4.9. Diffusion Overpotential Distribution""""4. PLANAR MICRO-STRUCTURED AIRBREATHINGPEM FUEL CELL""; ""4.1. INTRODUCTION""; ""4.2. MODELLING DOMAIN AND GEOMETRY""; ""4.3. COMPUTATIONAL PROCEDURE""; ""4.4. RESULTS""; ""4.4.1. Velocity Profile""; ""4.4.2. Oxygen Distribution""; ""4.4.3. Hydrogen Distribution""; ""4.4.4. Current Density Distribution""; ""4.4.5. Cell Temperature Distribution""; ""4.4.6. Activation Overpotential Distribution""; ""4.4.7. Ohmic Overpotential Distribution""; ""4.4.8. Membrane Overpotential Distribution""; ""4.4.9. Diffusion Overpotential Distribution"" ""5. PLANAR COMPACTED-DESIGN MICROSTRUCTURED AIR-BREATHING PEM FUELCELL""""5.1. INTRODUCTION""; ""5.2. MODELLING DOMAIN AND GEOMETRY""; ""5.3. COMPUTATIONAL PROCEDURE""; ""5.4.1. Velocity Profile""; ""5.4.2. Oxygen Distribution""; ""5.4.3. Hydrogen Distribution""; ""5.4.4. Current Density Distribution""; ""5.4.5. Cell Temperature Distribution""; ""5.4.6. Activation Overpotential Distribution""; ""5.4.7. Ohmic Overpotential Distribution""; ""5.4.8. Membrane Overpotential Distribution""; ""5.4.9. Diffusion Overpotential Distribution""; ""5.5. MICRO-SCALE FUEL CELLS"" ""6. TUBULAR AIR-BREATHING PEM FUELCELL""

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