Composite oxygen electrode and method for preparing same
The present invention provides a composite oxygen electrode, comprising - a porous backbone structure comprising two separate but percolating phases, the first phase being an electronic conducting phase, the second phase being an oxide ion conducting phase; and - an electrocatalytic layer on the surface of said backbone structure, wherein said electrocatalytic layer comprises first and second nanoparticles, wherein the first and second particles are randomly distributed throughout said layer. The present invention further comprises a method of producing the above composite electrode, comprising the steps of: - forming a porous backbone structure comprising two separate but percolating phases, the first phase being an electronic conducting phase, the second phase being an oxide ion conducting phase; and - applying an electrocatalytic layer on the surface of said backbone structure, wherein said electrocatalytic layer comprises first and second nanoparticles, wherein the first and second particles are randomly distributed throughout said layer.

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Contributors: Mogensen, M. B., Hjalmarsson, P., Wandel, M.
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