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HYDROXIDE ION CONDUCTORS AS POSSIBLE ELECTROLYTES IN  
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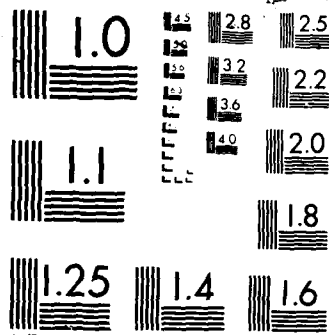
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Prior work has shown that materials in the Li-Al-O-H system can be used as hydroxide ion-conducting electrolytes at intermediate temperatures. It has been proposed that such materials may be of use as electrolytes for the electric decomposition of water.

In this work, preliminary results concerning the use materials in this system as possible fuel cell electrolytes at intermediate temperatures will be presented.

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**Hydroxide Ion Conductors as Possible Electrolytes  
in Intermediate Temperature Fuel Cells**

by

**Lie-Yea Cheng, Steven Crouch-Baker and Robert A. Huggins**

**Extended Abstract for a Paper to Be Presented at the  
172th Meeting of the Electrochemical Society  
Honolulu, October 1987**

**Stanford University  
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