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燃料電池開発情報センター

# 燃料電池

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春号

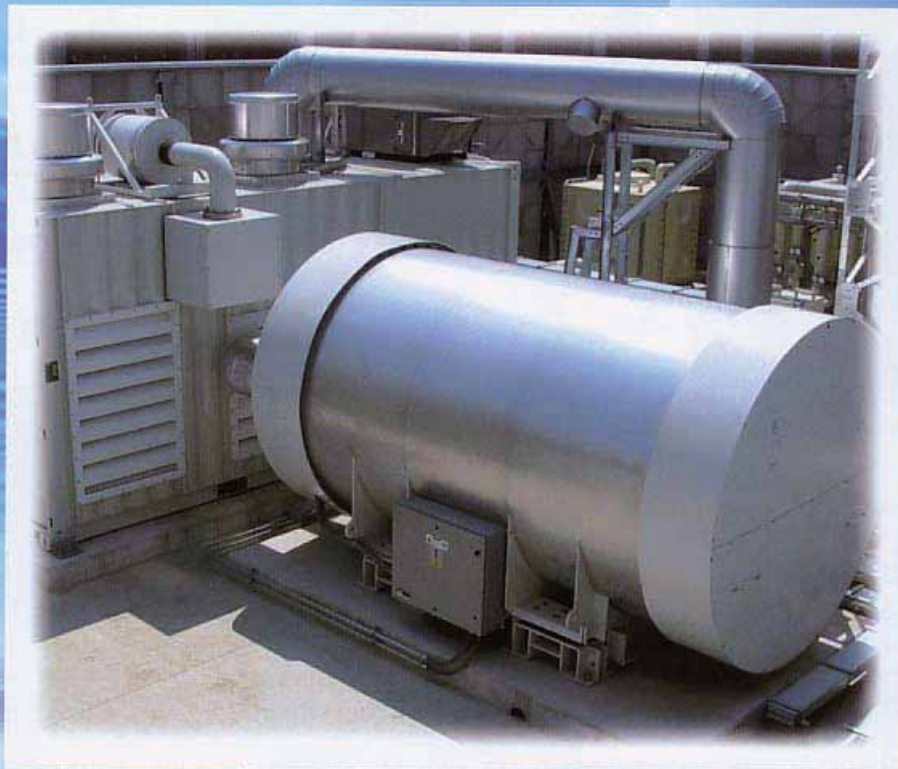
The Journal of Fuel Cell Technology

巻頭言 エネファーム商用化の2年目に向けて

**特集** 定置用燃料電池のポテンシャルと活用

基礎講座 SOFC燃料極の三次元構造再構築と過電圧予測

報告 FC EXPO 2010報告





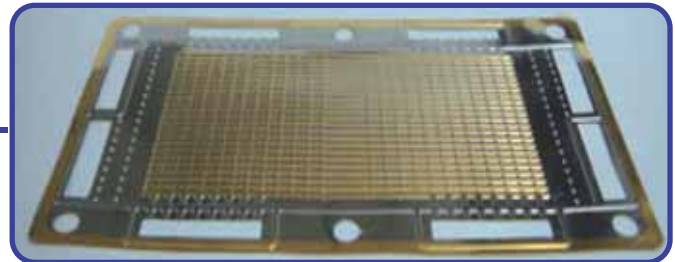
水素自転車（岩谷産業）

Hydrogen Bicycle (Iwatani)

P57 参照

部分メッキセパレータ  
(サイベックコーポレーション、  
長野県工業技術総合センター、IHIシバウラ)

Separator with Partial Plating  
(Syvec, Sun Industry and  
IHI-Shibaura Machinery)



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超小型燃焼器  
(日本ケミカル・プラント・コンサルタント、テック精密)

Ultra Small-sized Combustor  
(Nippon Chemical Plant Consultant and Tec Precision)

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NEDO 実証試験装置  
「ビル・バイオマスター」  
(清水建設)

Field Test Plant  
"Buil. Bio-Master"  
(Shimizu)



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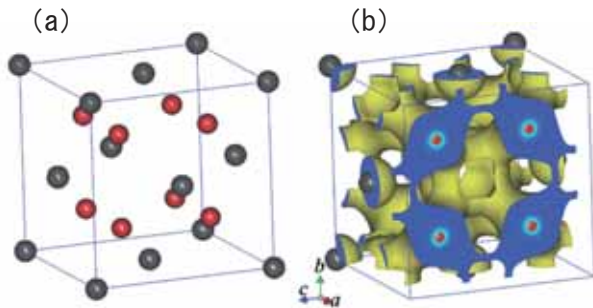


Fig. 1 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of  $\text{Ce}_{0.93}\text{Y}_{0.07}\text{O}_{1.96}$

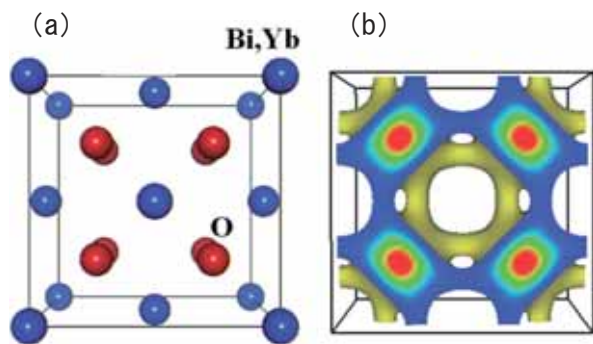


Fig. 2 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of  $\text{Bi}_{1.4}\text{Yb}_{0.6}\text{O}_3$  Solid Solution

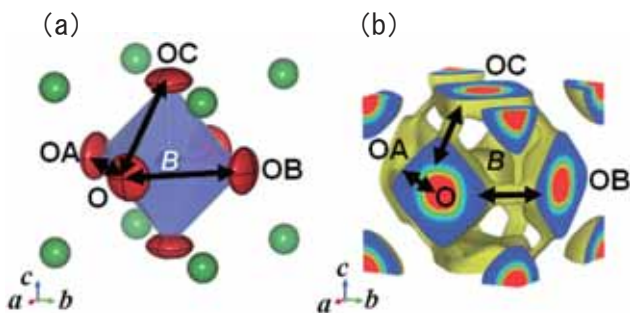


Fig. 3 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of  $(\text{La}_{0.8}\text{Sr}_{0.2})(\text{Ga}_{0.8}\text{Mg}_{0.15}\text{Co}_{0.05})\text{O}_{3-\delta}$  Solid Solution

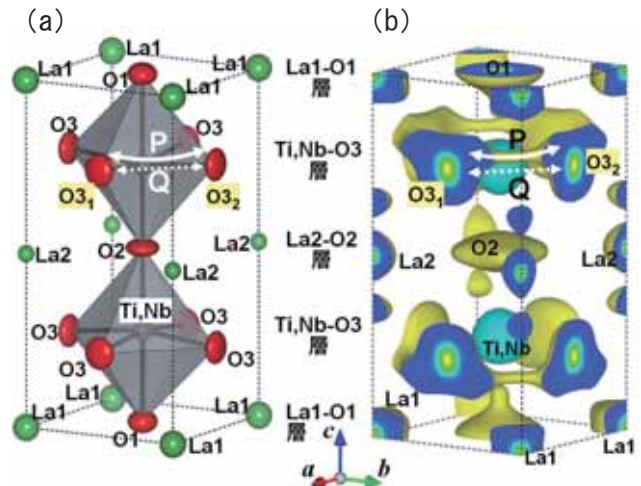


Fig. 4 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of  $\text{La}_{0.64}\text{Ti}_{0.92}\text{Nb}_{0.08}\text{O}_{2.99}$

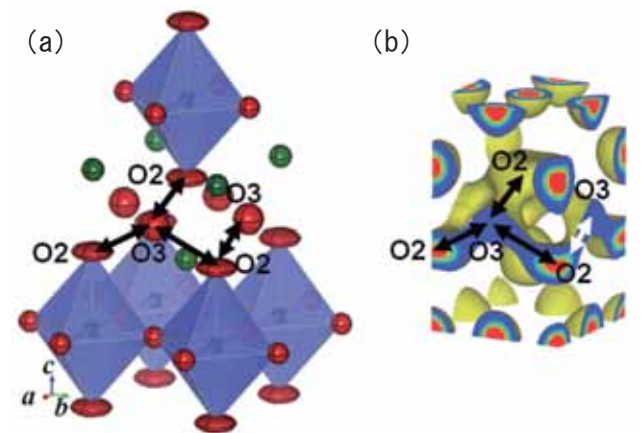


Fig. 5 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of  $(\text{Pr}_{0.9}\text{La}_{0.1})_2(\text{Ni}_{0.74}\text{Cu}_{0.21}\text{Ga}_{0.05})\text{O}_{4-\delta}$

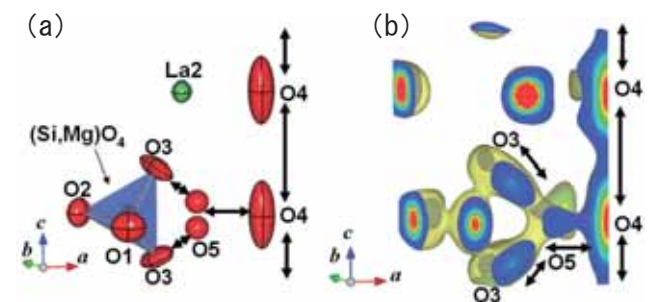


Fig. 6 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of  $\text{La}_{0.69}(\text{Si}_{5.70}\text{Mg}_{0.30})\text{O}_{26.24}$

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