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春号

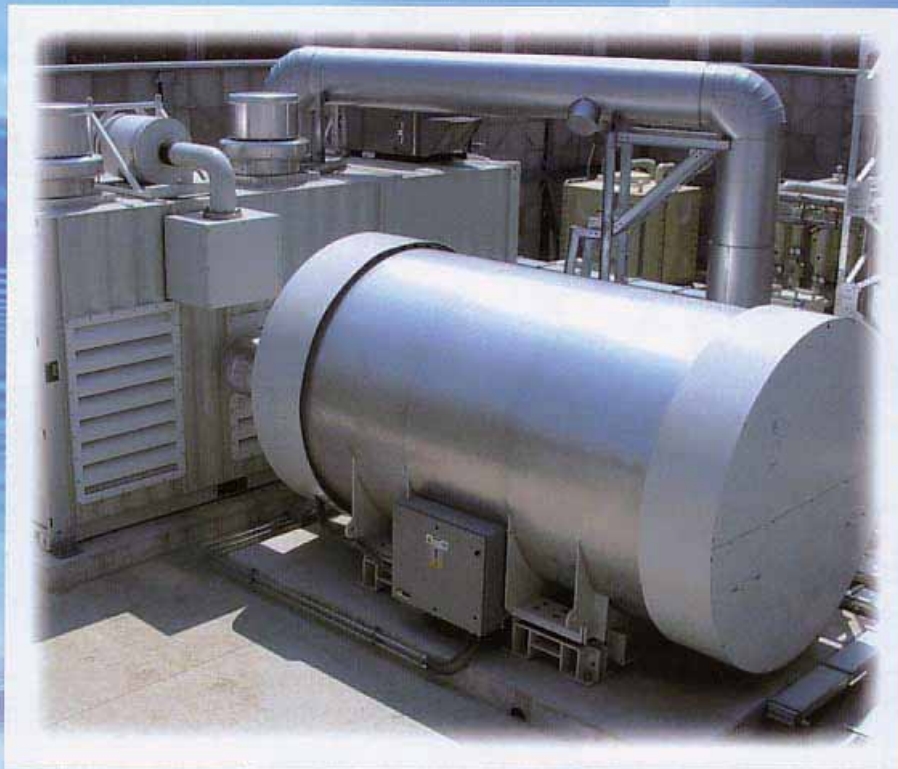
The Journal of Fuel Cell Technology

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





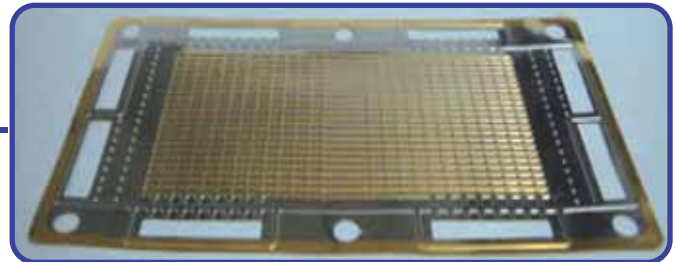
水素自転車（岩谷産業）

Hydrogen Bicycle (Iwatani)

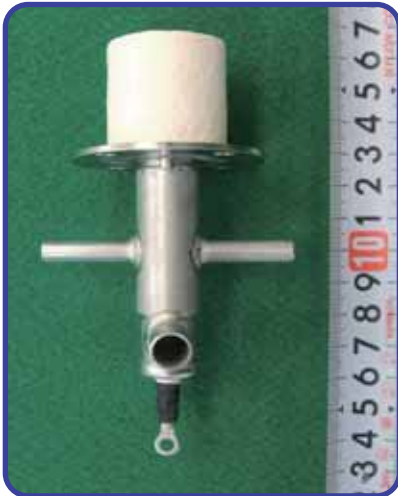
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部分メッキセパレータ
(サイベックコーポレーション、
長野県工業技術総合センター、IHIシバウラ)

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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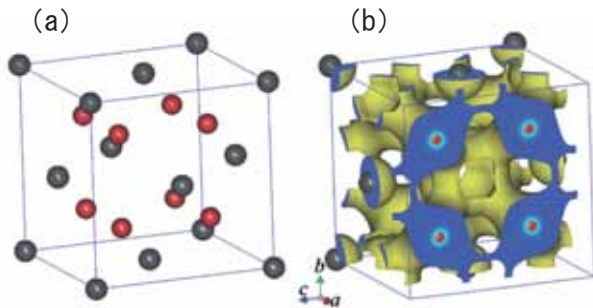


Fig. 1 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of $\text{Ce}_{0.93}\text{Y}_{0.07}\text{O}_{1.96}$

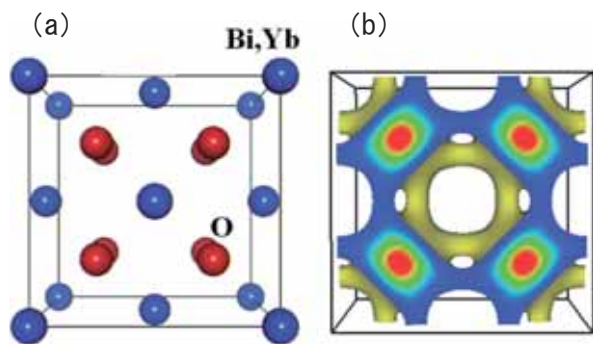


Fig. 2 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of $\text{Bi}_{1.4}\text{Yb}_{0.6}\text{O}_3$ Solid Solution

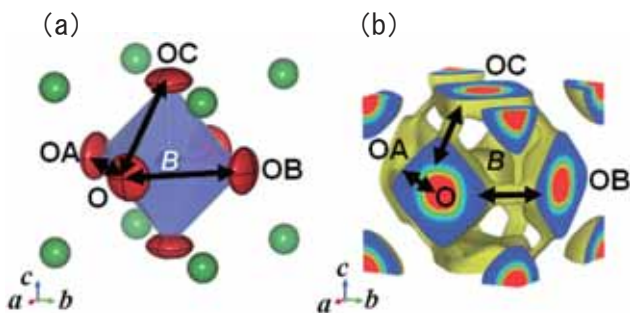


Fig. 3 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of $(\text{La}_{0.8}\text{Sr}_{0.2})(\text{Ga}_{0.8}\text{Mg}_{0.15}\text{Co}_{0.05})\text{O}_{3-\delta}$ Solid Solution

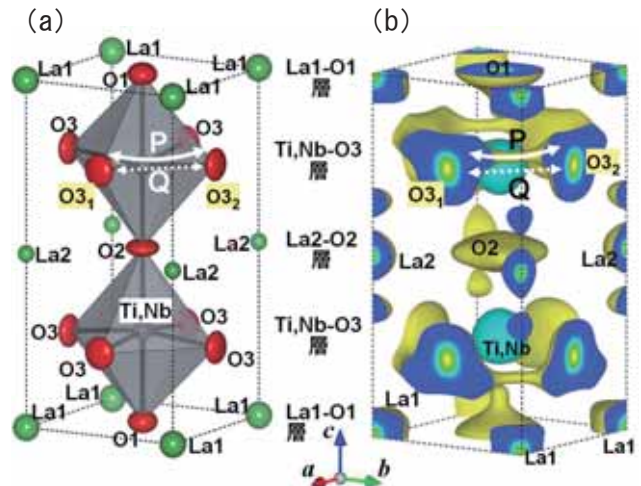


Fig. 4 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of $\text{La}_{0.64}\text{Ti}_{0.92}\text{Nb}_{0.08}\text{O}_{2.99}$

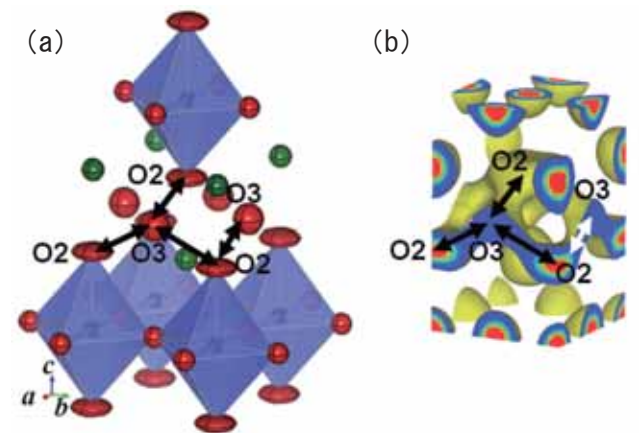


Fig. 5 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of $(\text{Pr}_{0.9}\text{La}_{0.1})_2(\text{Ni}_{0.74}\text{Cu}_{0.21}\text{Ga}_{0.05})\text{O}_{4-\delta}$

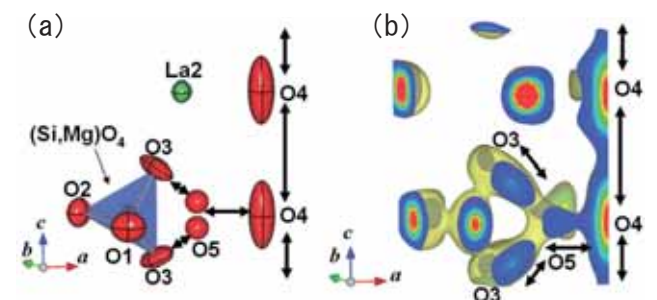


Fig. 6 Crystal Structure (a) and Isosurface of MEM Nuclear Density (b) of $\text{La}_{0.69}(\text{Si}_{5.70}\text{Mg}_{0.30})\text{O}_{26.24}$

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