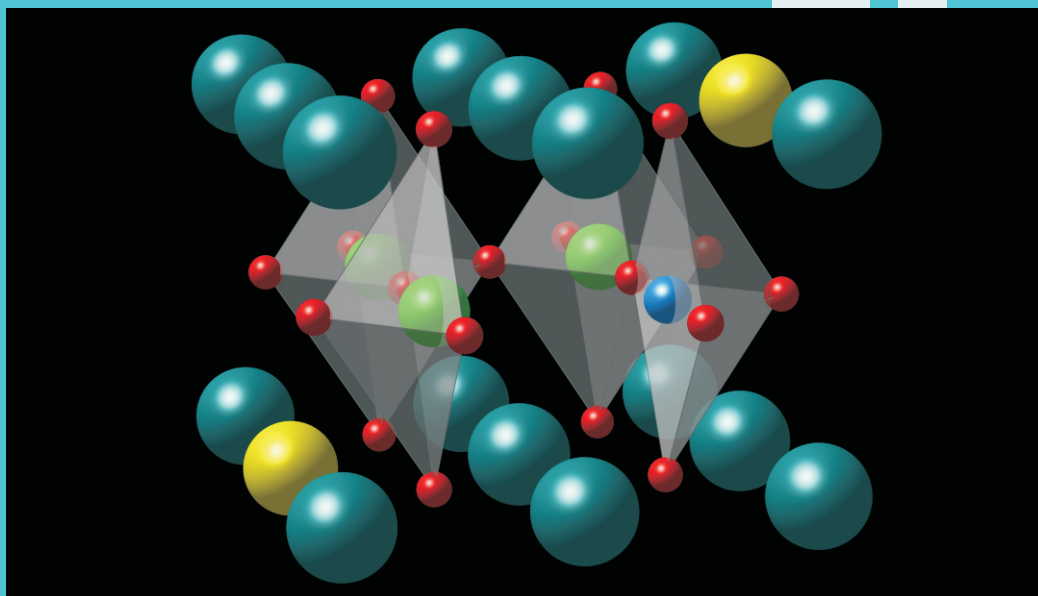


Advances in 3d-4f Transition Metal Rare Earth Perovskite Oxides

Ihab Abdel-Latif Abdel-Latif



Rare earth manganites
Synthesis
Crystal structure
Perovskites
Semiconductor

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Preface

Advances in a 3d-4f oxides are one of the most interesting subjects in the field of materials science which has attracted the scientific community and up till now we found ourselves in front of a new progress and a new applications for these materials.

There is a lake in the text books that deal with these important topics so the idea of this book jumped to me and started working with and I hope to present some of the basics related to these materials.

It is important to highlight on the physical properties of these materials, besides its potential applications. All the presented work and results in this book belong to the keen efforts of the scientists from different places and here in this book, it is collected and presented.

Malek Abdel-Latif

Najran, November 2015.

To
My Wife
and
My Children

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