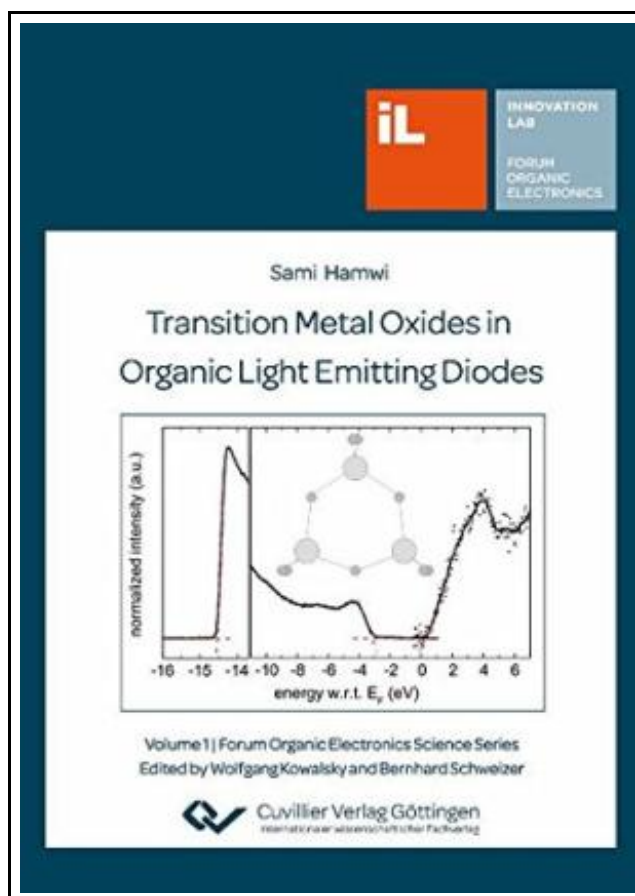


Transition Metal Oxides in Organic Light Emitting Diodes



Filesize: 8.52 MB

Reviews

This pdf is fantastic. It really is basic but shocks inside the 50 % in the pdf. I realized this pdf from my i and dad encouraged this pdf to discover.

(Hunter Witting)

TRANSITION METAL OXIDES IN ORGANIC LIGHT EMITTING DIODES

[DOWNLOAD](#)

To read **Transition Metal Oxides in Organic Light Emitting Diodes** PDF, remember to follow the link under and save the document or have accessibility to additional information that are relevant to TRANSITION METAL OXIDES IN ORGANIC LIGHT EMITTING DIODES ebook.

Cuvillier Verlag Okt 2010, 2010. Taschenbuch. Book Condition: Neu. 211x149x12 mm. Neuware - Organic light emitting diodes (OLEDs) exhibit several specific properties such as an extremely thin design and a wide viewing angle, making them favorable for the application in display technology and general lighting. The development of OLEDs is strongly driven by the prospect of low-cost production of large-area applications in the future. Accordingly, their performance was considerably enhanced in terms of efficiency and lifetime over the past years. The introduction of transition metal oxides (TMOs) in OLEDs is regarded as a promising concept for further improving their properties due to their technological compatibility with organic layers and their high thermal stability. The first results from the insertion of TMOs in OLEDs indicate their versatile application as neat functional layers and electrochemical dopants of organic semiconductors. On the other hand, the knowledge of their electronic properties and the mode of operation in OLEDs is very limited so far. In this context, it becomes apparent that fundamental mechanisms such as the electrochemical doping of organic semiconductors or the charge generation in interconnecting units of stacked OLEDs are not yet completely clarified. Thus, this work focuses on the physical and technological correlations arising from the application of transition metal oxides in organic light emitting diodes. First, the electronic structure of molybdenum oxide (MoO₃) and tungsten oxide (WO₃) is analyzed by photoelectron spectroscopy and Kelvin probe. It is demonstrated that both TMOs exhibit comparably deep-lying energy levels. Moreover, their electronic structure indicates them as intrinsically n-doped semiconductors. The functional principle of the efficient hole injection by neat layers of TMO is then studied by the examination of the interfaces between the TMO and its adjacent layers. As a result, a new model of hole injection by thin TMO...

[Read Transition Metal Oxides in Organic Light Emitting Diodes Online](#)[Download PDF Transition Metal Oxides in Organic Light Emitting Diodes](#)[Download ePub Transition Metal Oxides in Organic Light Emitting Diodes](#)

Relevant Kindle Books



[PDF] Psychologisches Testverfahren

Click the hyperlink under to download "Psychologisches Testverfahren" PDF document.

[Save eBook »](#)



[PDF] Programming in D

Click the hyperlink under to download "Programming in D" PDF document.

[Save eBook »](#)



[PDF] Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package (Paperback)

Click the hyperlink under to download "Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package (Paperback)" PDF document.

[Save eBook »](#)



[PDF] Adobe Indesign CS/Cs2 Breakthroughs

Click the hyperlink under to download "Adobe Indesign CS/Cs2 Breakthroughs" PDF document.

[Save eBook »](#)



[PDF] The Java Tutorial (3rd Edition)

Click the hyperlink under to download "The Java Tutorial (3rd Edition)" PDF document.

[Save eBook »](#)



[PDF] Have You Locked the Castle Gate?

Click the hyperlink under to download "Have You Locked the Castle Gate?" PDF document.

[Save eBook »](#)

**[PDF] Peppa Pig: Camping Trip - Read it Yourself with Ladybird: Level 2**

Follow the link below to download "Peppa Pig: Camping Trip - Read it Yourself with Ladybird: Level 2" PDF file.

[Download ePub »](#)

**[PDF] Big Machines - Read it Yourself with Ladybird: Level 2**

Follow the link below to download "Big Machines - Read it Yourself with Ladybird: Level 2" PDF file.

[Download ePub »](#)

**[PDF] To Thine Own Self (Paperback)**

Follow the link below to download "To Thine Own Self (Paperback)" PDF file.

[Download ePub »](#)

**[PDF] Peppa Pig: Nature Trail - Read it Yourself with Ladybird: Level 2**

Follow the link below to download "Peppa Pig: Nature Trail - Read it Yourself with Ladybird: Level 2" PDF file.

[Download ePub »](#)

**[PDF] 9787111391760HTML5 game developed combat (Huazhang programmers stacks) (clear and full(Chinese Edition)**

Follow the link below to download "9787111391760HTML5 game developed combat (Huazhang programmers stacks) (clear and full(Chinese Edition)" PDF file.

[Download ePub »](#)

**[PDF] JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)**

Follow the link below to download "JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)" PDF file.

[Download ePub »](#)