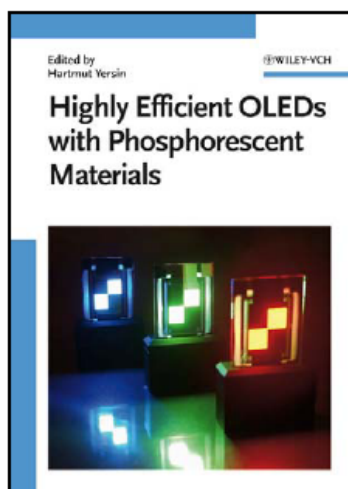


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Highly Efficient OLEDs with Phosphorescent Materials



This brand-new monograph on organic light emitting diodes, edited by a pioneer, and written by front-line researchers from academia and industry, provides access to the latest findings in this rapidly growing field. More than ten contributions cover all areas -- from theory and basic principles, to different emitter materials and applications in production.

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- Hartmut Yersin* and Walter J. Finkenzeller: Triplet Emitters for OLEDs – Basic Properties
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- Peter I. Djurovich and Mark E. Thompson: Organoiridium Complexes as Emitters in Electrophosphorescent Devices
- Akira Tsuboyama*, Shinjiro Okada, and Kazunori Ueno: Highly Efficient Red-Phosphorescent Iridium Complexes
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- Xiao-Hui Yang, Frank Jaiser, and Dieter Neher: Physical Processes in Polymer-Based Electrophosphorescent Devices
- Hai-Feng Xiang, Siu-Wai Lai, P. T. Lai, and Chi-Ming Che*: Phosphorescent Platinum(II) Materials for OLED Applications
- Isao Tanaka and Shizuo Tokito: Energy Transfer Processes between Phosphorescent Guest and Fluorescent Host Molecules in Phosphorescent OLEDs
- A. van Dijken, K. Brunner, H. Börner, and B. M. W. Langeveld: High-Efficiency Phosphorescent Polymer LEDs
- Chris Shuk Kwan Mak and Wai Kin Chan: Electroluminescence from Metal Containing Polymers and Metal Complexes with Functional Ligands
- Md. K. Nazeeruddin, C. Klein, M. Grätzel, L. Zuppiroli, and D. Berner: Molecular Engineering of Iridium Complexes and their Application in Organic Light Emitting Devices
- Zu-Qiang Bian and Chun-Hui Huang*: Progress in Electroluminescence Based on Lanthanide Complexes