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| 1. Record Nr. | UNINA9910138405203321 |
| Titolo | Human-Computer Interaction // edited by Inaki Maurtua |
| Pubbl/distr/stampa | Rijeka, Croatia : , : InTech, , [2009]
©2009 |
| ISBN | 953-51-5863-5 |
| Descrizione fisica | 1 online resource (570 pages) : illustrations |
| Disciplina | 006.3 |
| Soggetti | Artificial intelligence |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references. |
| 2. Record Nr. | UNINA9910298650403321 |
| Autore | Shao Shiyang |
| Titolo | Electrophosphorescent Polymers Based on Polyarylether Hosts // by
Shiyang Shao |
| Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer,
, 2014 |
| ISBN | 3-662-44376-7 |
| Edizione | [1st ed. 2014.] |
| Descrizione fisica | 1 online resource (105 p.) |
| Collana | Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-
5053 |
| Disciplina | 54
541.2254
620.11
620.11295 |
| Soggetti | Polymers
Optical materials
Electronics - Materials
Lasers
Photonics
Materials science
Polymer Sciences
Optical and Electronic Materials
Optics, Lasers, Photonics, Optical Devices |

Characterization and Evaluation of Materials

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	General Introduction -- Polyarylether Hosts -- Blue/Yellow Electrophosphorescent Polymers Based on Polyarylether Hosts -- All-Phosphorescent Single-Component White Polymers -- Spiro-Linked Hyperbranched Architecture for Electrophosphorescent Polymers -- Conclusions and Outlook.
Sommario/riassunto	<p>This thesis introduces a series of novel, non-conjugated polyarylether hosts that are not subject to the triplet-energy limitations of traditional conjugated polymer hosts. As a result of this major breakthrough, the long-standing problem of triplet energy back transfer has now been overcome, making it possible to design high-efficiency electrophosphorescent polymers (PhPs), especially the blue and all-phosphorescent white ones. In addition, the author proposes a spiro-linked hyperbranched architecture for PhPs to inhibit the undesired triplet energy back transfer process in low triplet-energy hosts. The work in this thesis provides vital new insights into the design of PhPs and has led to several publications in high-profile journals.</p>
