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| 1. Record Nr.           | UNINA9910830073403321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Titolo                  | Metallomesogens : synthesis, properties, and applications / / edited by Jose Luis Serrano                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Pubbl/distr/stampa      | Weinheim, [Germany] : , : VCH, , 1996<br>©1996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ISBN                    | 1-281-84270-2<br>9786611842703<br>3-527-61509-1<br>3-527-61508-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Descrizione fisica      | 1 online resource (520 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disciplina              | 669.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Soggetti                | Metallomesogens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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 at the end of each chapters and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Nota di contenuto       | Metallomesogens; Biography; Preface; Contents; List of Contributors; 1 Introduction; 1.1 General Concepts: Metallomesogens; 1.2 General Concepts: Liquid Crystals; 1.3 Mesophases; 1.3.1 Calamitic Mesophases; 1.3.2 Discotic Mesophases [30]; 1.3.3 Lyotropic Mesophases; References; Part A Materials; 2 Low Molecular Weight Lyotropic Metallomesogens; 2.1 Micellar Lyotropic Metallomesogens; 2.2 Chromonic Metallomesogens; 2.3 Summary; References; 3 Low Molecular Weight Calamitic Metallomesogens; 3.1 Metal-Organic Liquid Crystals; 3.1.1 Metal-Organic Liquid Crystals with Monodentate Ligands 3.1.1.1 Nitrile Ligands 3.1.1.2 Pyridine Ligands; 3.1.1.3 Amine Ligands; 3.1.1.4 Thiolate Ligands; 3.1.1.5 Summary; 3.1.2 Metal-Organic Liquid Crystals with Bidentate Ligands; 3.1.2.1 2-Substituted Pyrrole Derivatives; 3.1.2.2 Salicylideneamine Derivatives; 3.1.2.3 Enaminoketone Derivatives; 3.1.2.4 Aroylhydrazine Derivatives; 3.1.2.5 -P-Diketone Derivatives; 3.1.2.6 Salicylaldehyde Derivatives; 3.1.2.7 Alkylcarboxylate Derivatives; 3.1.2.8 Monothio--Diketone Derivatives; 3.1.2.9 Dithiolene Derivatives; 3.1.2.10 Dithiobenzoate Derivatives; 3.1.2.11 Dithiocarbamate Derivatives |

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## Sommario/riassunto

Research on metal-containing liquid crystals is a rapidly expanding, multidisciplinary field with new materials continually being synthesized and novel applications being developed. 'Metallomesogens' is the first comprehensive survey of the field, introducing the reader to: \* materials design \* synthesis \* physical properties \* emerging applications. Carefully selected references round off this well-organized compendium. It is an indispensable guide to experienced researchers in coordination and organometallic chemistry as well as in liquid-crystal and materials science.