

1. Record Nr.	UNINA9910254047603321
Autore	Bruckner Johanna. R
Titolo	A First Example of a Lyotropic Smectic C Analog Phase : Design, Properties and Chirality Effects / / by Johanna. R Bruckner
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-27203-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (130 p.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	530.429
Soggetti	Chemistry, Physical and theoretical Amorphous substances Complex fluids Analytical chemistry Crystallography Physical Chemistry Soft and Granular Matter, Complex Fluids and Microfluidics Analytical Chemistry Crystallography and Scattering Methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Doctoral Thesis accepted by the University of Stuttgart, Stuttgart, Germany."
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Aims and scope of this thesis -- Thermotropic and lyotropic liquid crystals -- Materials and experimental techniques -- Results and discussion -- Summary -- References -- Appendix A -- Appendix B.
Sommario/riassunto	In this thesis Johanna Bruckner reports the discovery of the lyotropic counterpart of the thermotropic SmC* phase, which has become famous as the only spontaneously polarized, ferroelectric fluid in nature. By means of polarizing optical microscopy, X-ray diffraction and electro-optic experiments she firmly establishes aspects of the structure of the novel lyotropic liquid crystalline phase and elucidates its fascinating properties, among them a pronounced polar electro-optic effect, analogous to the ferroelectric switching of its thermotropic

counterpart. The helical ground state of the mesophase raises the fundamental question of how chiral interactions are "communicated" across layers of more or less disordered and achiral solvent molecules which are located between adjacent bi-layers of the chiral amphiphile molecules. This thesis bridges an important gap between thermotropic and lyotropic liquid crystals and pioneers a new field of liquid crystal research.

2.

Record Nr.

UNINA9910145627103321

Titolo

Journal of family violence

Pubbl/distr/stampa

[New York, N.Y.], : Kluwer Academic/Plenum Publishers  
[New York], : Springer US

ISSN

1573-2851

Disciplina

362.82

Soggetti

Family violence  
Family violence - United States  
Child Abuse  
Elder Abuse  
Family  
Spouse Abuse  
Family Violence  
Violence familiale  
Violence familiale - Etats-Unis  
violence  
Häusliche Gewalt  
Sozialarbeit  
Sozialpsychologie  
Geweld  
Gezin  
Violència familiar  
Infants maltractats  
Dones maltractades  
Periodicals.  
Zeitschrift  
Elektronische Publikation  
Revistes electròniques.

United States  
Estats Units d'Amèrica

---

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

---