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which has properties between those of conventional liquids and those of solid crystals. For instance, a liquid crystal may flow like a liquid, but its molecules may be oriented in a crystal-like way. There are many different types of liquid-crystal phases, which can be distinguished by their different optical properties (such as

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{Howard wakes up in hospital. Two persons are waiting around to issue him a couple of dead human body. All he can try to remember is usually a environmentally friendly dragon in addition to a pool of blood. Howard escapes through the medical

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involving optoelectronic and photonic devices [1, 2, 3, 4].

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4. Amorphous and Liquid Semiconductor Materials. The amorphous and liquid semiconductor material does not have a

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crystalline structure with a strictly periodic arrangement, which is greatly different from the crystalline semiconductor is that.

Figure 4. Structural Models of Silicons. III  
Semiconductor Material Properties 1.  
Characteristic ...

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Elements that are used as semiconductors, such as silicon and germanium, have four outer shell electrons. This means that they can form four bonds with other identical

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Abstract. We explore the molecular nature of doping in organic semiconductors (OSCs) by employing a liquid crystalline organic semiconductor based on phenyl

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naphthalene as a model. The mesophase nature of composites that include a charge transfer complex (CTC) between the OSC (8-PNP-O12) and an electron acceptor (F4TCNQ) has been investigated by means of differential scanning calorimetry, polarized optical microscopy and X-ray scattering.

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