Coherent emission from electrically-pumped organic semiconductors: resource letter

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Coherent emission from electrically-pumped organic semiconductors was demonstrated in 2005. The emission was characterized by a nearly diffraction limited beam and high-visibility interferograms with $V \approx 0.901 \pm 0.088$. This is a resource letter on the literature of coherent emission generated in electrically-pumped organic semiconductors. The areas covered include materials, experimental configurations, experimental results, and theory.

1. **Organic molecules and semiconductor structures**


2. **Coherent emission and physics**


Duarte F J and Taylor T S 2021 *Quantum Entanglement Engineering and Applications*, (Bristol, Institute of Physics)


3. Experimental interferometric configurations

Duarte F J 1993 On a generalized interference equation and interferometric measurements *Opt. Comm.* **103** 8-14

Duarte F J 2010 Electrically-pumped organic semiconductor coherent emission: a review *Coherence and Ultrashort Pulsed Laser Emission* ed F J Duarte (Rijeka: Intech) ch 1

Duarte F J 2014 *Quantum Optics for Engineers* (New York: CRC)


4. Quantum theory

Duarte F J 1993 On a generalized interference equation and interferometric measurements *Opt. Comm.* **103** 8-14

Duarte F J and Taylor T S 2021 *Quantum Entanglement Engineering and Applications*, (Bristol, Institute of Physics)