

Title: Molecular Electronics

Lecturer: Mario Ruben

0. Introduction

1. Bulk Devices

1.1. Organic FETs

1.2. Organic LEDs

1.3. Organic Spin Valves

2. Single Molecule Devices

2.1. STM-based

2.2. Nano-Junction Electrodes

3. Molecular Electronics/Spintronics in Karlsruhe