

A04-3

High-efficiency charge-to-spin current conversion by chiral condensed conjugation molecules

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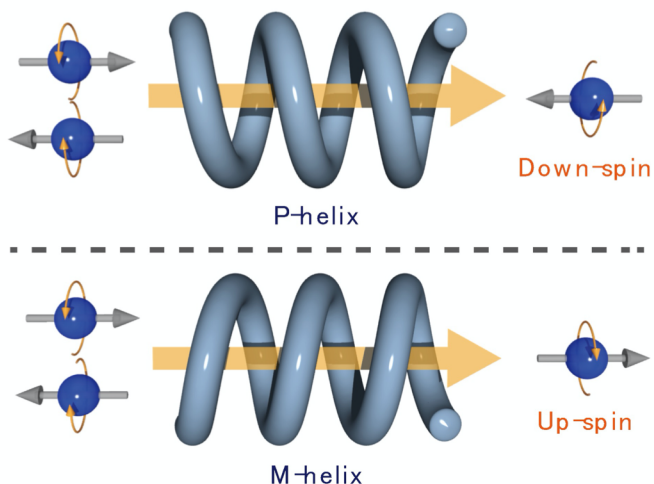
Co-investigators: Hisaaki Tanaka (Nagoya Univ.)

Our Mission: Beyond condensed conjugation

Aims of A04-3

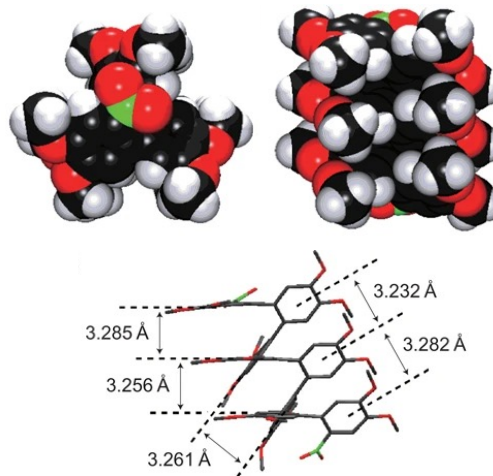
- Development of novel charge-to-spin current conversion methods by chiral molecules
- High-efficiency charge-to-spin current conversion by chiral condensed conjugation

Chiral induced spin-selectivity



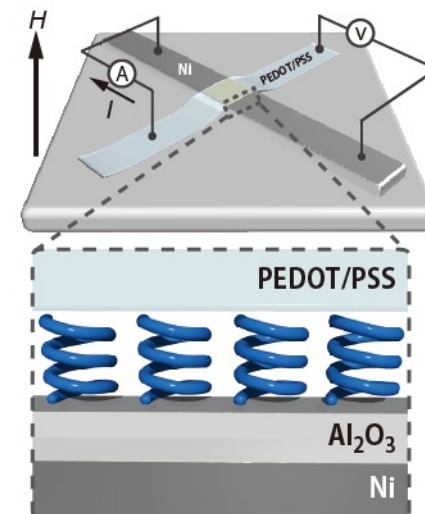
Charge-to-spin current conversion by molecules

Condensed chiral molecules



Shrinkage of helical pitch, radius

Spin current detection



Chiral TMR device