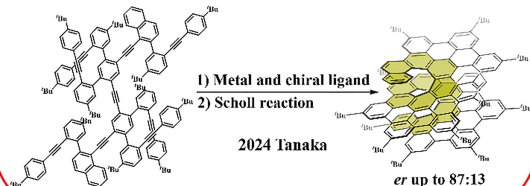
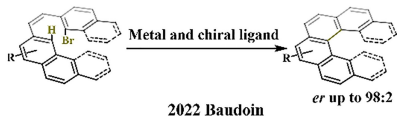


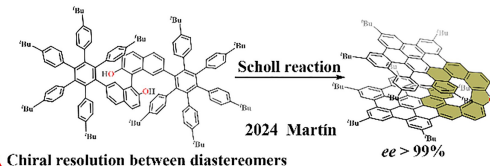
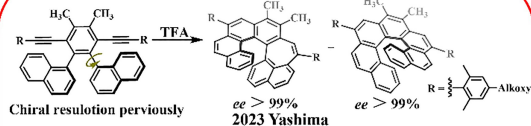
The enantioselective synthesis strategies of (π -extended) helicenes

(a) Previous work:

Transition metal catalysis with chiral ligands:



Pre-designed substrates or diastereomer separation:



(b) This work:

Cost-effective substrate-driven chiral transmission

