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Size-tunable ZnO nanotapes as an efficient catalyst for oxidative chemoselective C-B bond cleavage of arylboronic acids

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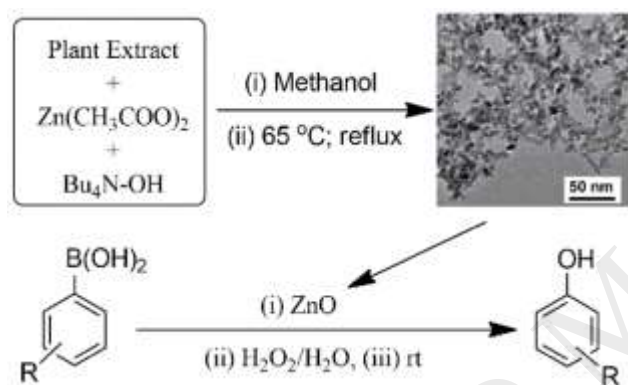
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Graphical abstract



Highlights

- A simple but effective route for synthesis of size tunable tape-like ZnO nanostructures using *Lantana camara* flower extract is reported
- Tape-like ZnO nanostructures acts as highly efficient catalyst for *ipso*-hydroxylation of (hetero)arylboronic acid to phenols
- The reactions are performed in very short reaction time at room temperature in absence of ligand, base and metal
- The ZnO catalyst are highly stable and are reusable for successive batches of *ipso*-hydroxylation of arylboronic acid to phenols

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