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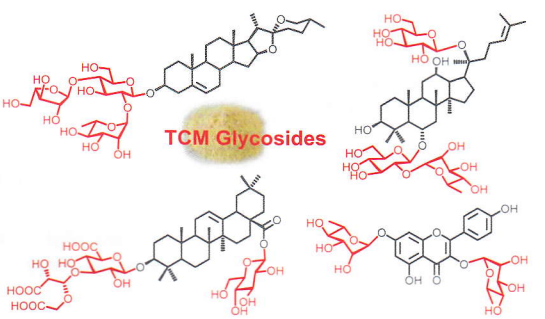
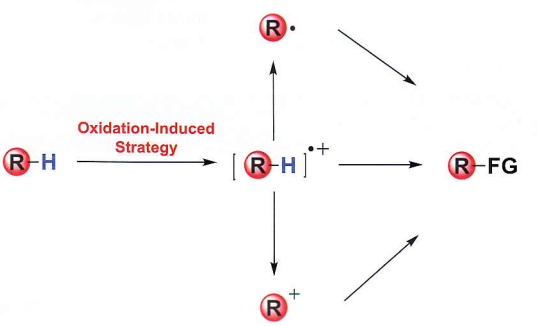
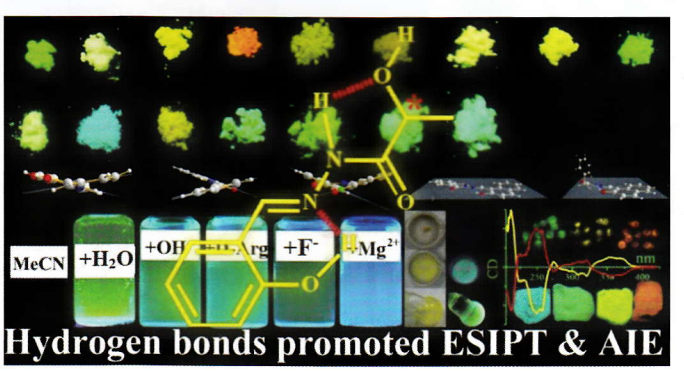
Chemistry Authors Up Close





Oxidation-induced C-H functionalization strategy

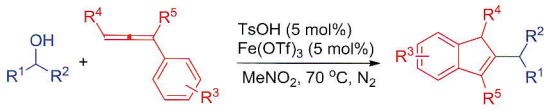
Comprehensive Reports



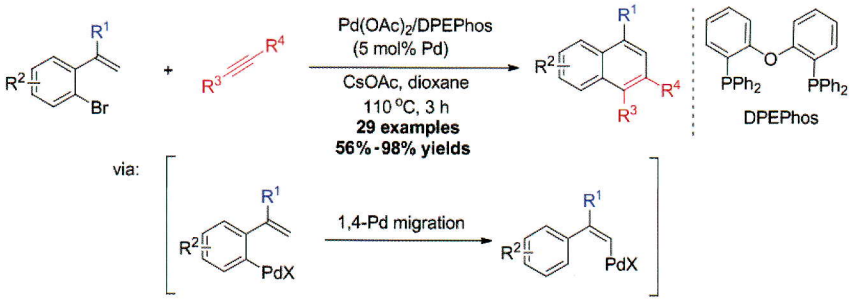
The simpler, the better! In the present work, we firstly reported a series of simple and soft salicylaldehyde hydrazide materials (41 samples) that exhibit multiple intramolecular and intermolecular hydrogen bonds promoted ESIPT and AIE properties with large Stokes shifts and can be used as multiple-stimuli-responsive smart materials for many applications in mechanochromism, universal probes, chiral recognition, and living cell imaging.

Content

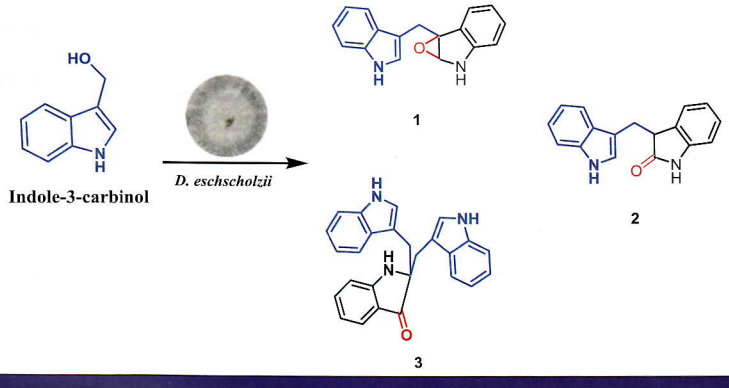
Concise Reports



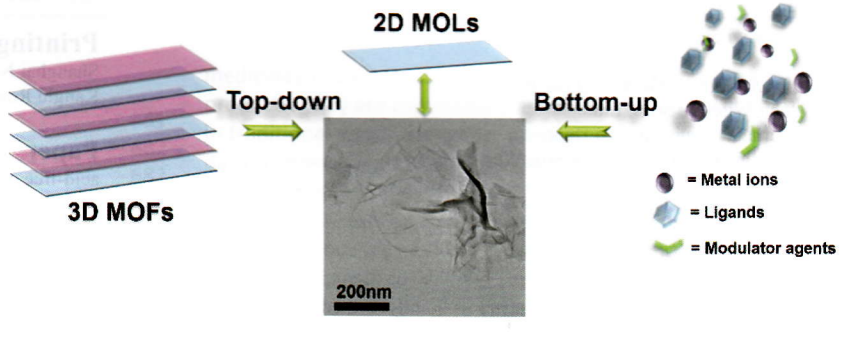
In the presence of 5 mol% TfOH and 5 mol% Fe(OTf)$_3$, a range of arylallenes undergo carbocation initiated cyclization reaction with alcohols to give structurally diverse polysubstituted indenes in good to excellent yields with extremely high regioselectivity.



The palladium catalyzed annulation of 1-bromo-2-vinylbenzene derivatives with internal alkynes was realized for the efficient synthesis of substituted naphthalenes. A controllable aryl to vinylic 1,4-palladium migration process is the key for success.



Recent Advances



This tutorial level review focuses on summarizing synthetic strategies for constructing two-dimensional metal-organic layers.

Meeting Our New Members of Editorial Board of Rising Stars (pages 765–774)

