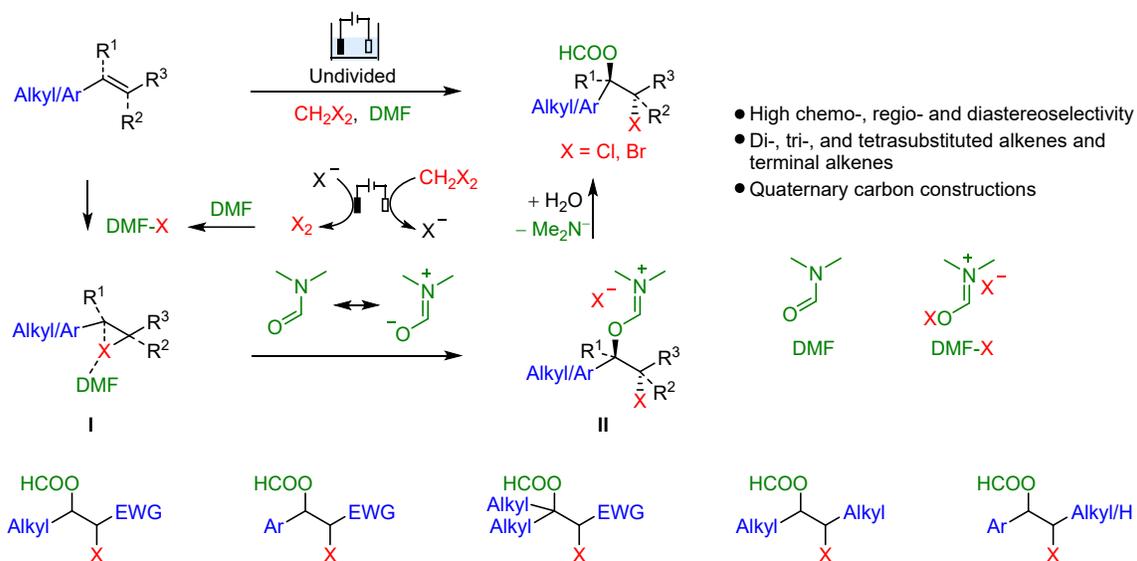


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Modular chemo-, regio-, and diastereoselective electrophilic haloesterification of both activated and unactivated alkenes was achieved through an electrochemically cooperative halogen cation delivery strategy. The generation of stable halogen-contained cation facilitates enhanced reactivity and selectivity. Di-, tri-, and tetrasubstituted alkenes, as well as terminal alkenes, are haloesterified, and quaternary carbons, even multiple contiguous ones, can be constructed.