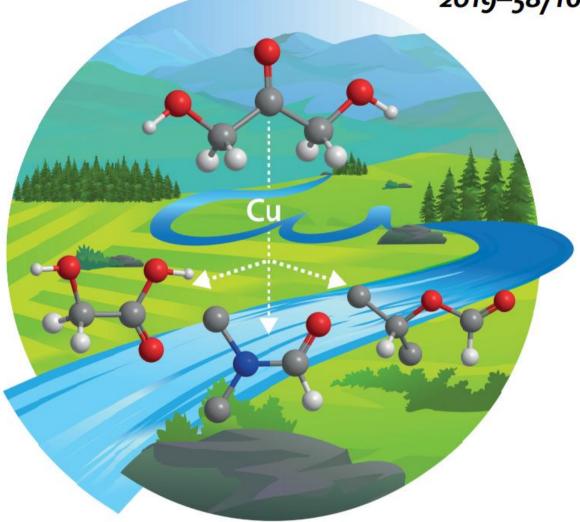


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Biomass-based 1,3-dihydroxylacetone ...

... can be converted in a sustainable one-pot process at room temperature with 100 % atom efficiency to valuable glycolic acid, formamides, and formates. In their Communication on page 5251 ff., F. Shi, A. Brückner, and co-workers showed that this proceeds through a radical mechanism on a cheap catalyst, containing single Cu atoms supported on alumina.

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Dai X, Adomeit S, Rabeah J, Kreyenschulte C, Brückner A, Wang H and Shi F. Angew. Chem., 2019, 58, 5251-5255. SustainableCo-Synthesis of Glycolic Acid, Formamides and Formatesfrom 1,3-Dihydroxyacetone by aCu/Al2O3Catalyst with a Single Active Sites.