

Addendum: Aldehydes as alkyl carbanion equivalents for additions to carbonyl compounds

Haining Wang, Xi-Jie Dai and Chao-Jun Li

Nature Chemistry **9**, 374–378 (2016); published online 5 December 2016; addendum published after print 30 May 2017.

In this Article we described a ruthenium-catalysed carbonyl addition method for alcohol production via simple unsubstituted hydrazone intermediates, but we inadvertently omitted the citation of two papers that had previously reported a similar carbanion reactivity^{1,2}. In these papers, the authors illustrated a series of substituted hindered hydrazones (for example, *tert*-butyl-, trityl- and diphenyl-4-pyridylmethyl) for additions to carbonyl compounds; however, to yield the target alcohols under these circumstances, the lithium salts of these hydrazones had to be pre-formed, with subsequent C–C bond formation and removal of bulky substituents on azo-intermediates via radical decomposition.

References

1. Baldwin, J. E. *et al.* Azo anions in synthesis: use of trityl- and diphenyl-4-pyridylmethylhydrazones for reductive C–C bond formation. *Tetrahedron* **42**, 4235–4246 (1986).
2. Baldwin, J. E., Bottaro, J. C., Kolhe, J. N. & Adlington, R. M. Azo anions in synthesis. Use of trityl- and diphenyl-4-pyridylmethyl-hydrazones for reductive C–C bond formation from aldehydes and ketones. *J. Chem. Soc. Chem. Commun.* 22–23 (1984).

Erratum: Tuning underwater adhesion with cation– π interactions

Matthew A. Gebbie, Wei Wei, Alex M. Schrader, Thomas R. Cristiani, Howard A. Dobbs, Matthew Idso, Bradley F. Chmelka, J. Herbert Waite and Jacob N. Israelachvili

Nature Chemistry **9**, 473–479 (2017); published online 13 February 2017; corrected after print 8 June 2017.

In the version of this Article originally published, the accept date was incorrect and should have read ‘9 December 2016’. This has now been corrected in the online versions of the Article.