Author Correction: Pentamethylcyclopentadienyl rhodium(III)–chiral disulfonate hybrid catalysis for enantioselective C–H bond functionalization

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Correction to: *Nature Catalysis* <https://doi.org/10.1038/s41929-018-0106-5>, published online 23 July 2018.

In the version of this Article originally published, four important papers for transition metal/chiral anion asymmetric catalysis and 1,1'-binaphthyl-2,2'-disulfonate (BINSate) were erroneously omitted. These have now been added into the reference list at numbers 33, 43, 57 and 58, and the list renumbered accordingly:

33. Mahlau M. & List B. Asymmetric counteranion-directed catalysis: Concept, definition, and applications. *Angew. Chem. Int. Ed.* **52**, 518–533 (2013).

43. Pan S. C. & List B. The catalytic acylcyanation of imines. *Chem. Asian J.* **3**, 430–437 (2008).

57. Mukherjee S. & List B. Chiral counteranions in asymmetric transition-metal catalysis: Highly enantioselective Pd/Brønsted acid-catalyzed direct α -allylation of aldehydes. *J. Am. Chem. Soc.* **129**, 11336–11337 (2007).

58. Mayer S. & List B. Asymmetric counteranion-directed catalysis. *Angew. Chem. Int. Ed.* **45**, 4193–4195 (2006).

The text has been amended to include citations to these references as follows:

“Hybridization of organocatalysts with transition metals is an emerging method in asymmetric catalysis^{31–35}” now includes the new ref. 33: “Hybridization of organocatalysts with transition metals is an emerging method in asymmetric catalysis^{31–36}”.

“In this Article, we report the enantioselective conjugate addition of aromatic C–H bonds to α,β -unsaturated ketones catalysed by Cp*Rh(III)/BINSate^{42,43} (BINSate = 1,1'-binaphthyl-2,2'-disulfonate) (Fig. 1d)” now includes the new ref. 43: “In this Article, we report the enantioselective conjugate addition of aromatic C–H bonds to α,β -unsaturated ketones catalysed by Cp*Rh(III)/BINSate^{43–45} (BINSate = 1,1'-binaphthyl-2,2'-disulfonate) (Fig. 1d)”.

“The combination of a chiral anion and a cationic metal catalyst is an established catalytic system, especially in gold(I) catalysis^{32,54}” now includes the new refs 33, 57 and 58: “The combination of a chiral anion and a cationic metal catalyst is an established catalytic system, especially in gold(I) and palladium catalyses^{32,33,56–58}”.

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