


 Cite this: *Chem. Soc. Rev.*, 2025, 54, 6599

Correction: Unified approaches in transition metal catalyzed C(sp³)-H functionalization: recent advances and mechanistic aspects

 Jagrit Grover,^a Amal Tom Sebastian,^a Siddhartha Maiti,^b Alex C. Bissember*^c and Debabrata Maiti*^a

DOI: 10.1039/d5cs90054a

rsc.li/chem-soc-rev

 Correction for 'Unified approaches in transition metal catalyzed C(sp³)-H functionalization: recent advances and mechanistic aspects' by Jagrit Grover *et al.*, *Chem. Soc. Rev.*, 2025, **54**, 2006–2053, <https://doi.org/10.1039/D0CS00488J>.

Carbene insertion is a powerful method for highly selective C–H functionalization of alkanes, with notable advances by the Davies group and others using donor–acceptor carbenes to access complex (chiral) molecules. However, rhodium carbene insertion is not the main focus of this review; for a list of very selected examples, see ref. 1–9.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

References

- 1 K. Liao, Y.-F. Yang, Y. Li, J. N. Sanders, K. N. Houk, D. G. Musaev and H. M. L. Davies, *Nat. Chem.*, 2018, **10**, 1048–1055.
- 2 H. M. L. Davies and K. Liao, *Nat. Rev. Chem.*, 2019, **3**, 347–360.
- 3 Z. J. Garlets, B. D. Wertz, W. Liu, E. A. Voight and H. M. L. Davies, *Chem*, 2020, **6**, 304–313.
- 4 Z. J. Garlets, J. N. Sanders, H. Malik, C. Gampe, K. N. Houk and H. M. L. Davies, *Nat. Catal.*, 2020, **3**, 351–357.
- 5 J. Vaitla, Y. T. Boni and H. M. L. Davies, *Angew. Chem., Int. Ed.*, 2020, **59**, 7397–7402.
- 6 A. T. Bosse, L. R. Hunt, C. A. Suarez, T. D. Casselman, E. L. Goldstein, A. C. Wright, H. Park, S. C. Virgil, J.-Q. Yu, B. M. Stoltz and H. M. L. Davies, *Science*, 2024, **386**, 641–646.
- 7 Y.-Y. Ren, H.-X. Mao, M.-Y. Hu, S.-F. Zhu and Q.-L. Zhou, *ChemCatChem*, 2020, **12**, 4267–4271.
- 8 B. D. Bergstrom, L. A. Nickerson, J. T. Shaw and L. W. Souza, *Angew. Chem., Int. Ed.*, 2021, **60**, 6864–6878.
- 9 Y. He, Z. Huang, K. Wu, J. Ma, Y.-G. Zhou and Z. Yu, *Chem. Soc. Rev.*, 2022, **51**, 2759–2852.

^a Department of Chemistry, IIT Bombay, Powai, Mumbai-400076, India. E-mail: dmaiti@chem.iitb.ac.in

^b VIT Bhopal University School of Biosciences Engineering & Technology, India

^c School of Natural Sciences – Chemistry, University of Tasmania, Hobart, Tasmania, 7001, Australia. E-mail: alex.bissember@utas.edu.au

