

CORRECTION

[View Article Online](#)
[View Journal](#) | [View Issue](#)Cite this: *Mater. Horiz.*, 2025, 12, 1018

DOI: 10.1039/d4mh90125h

rsc.li/materials-horizons

Correction: Application of carbon-based nanomaterials in Alzheimer's disease

Mengyao Bai, Xu Shao, Chao Wang, Juanxia Wang, Xin Wang,* Ping Guan* and Xiaoling Hu*

Correction for 'Application of carbon-based nanomaterials in Alzheimer's disease' by Mengyao Bai *et al.*, *Mater. Horiz.*, 2024, <https://doi.org/10.1039/D4MH01256A>.

The authors regret that an incorrect caption for Fig. 1B appears in the published article. The corrected Fig. 1 is shown here (note that the image itself remains unchanged).

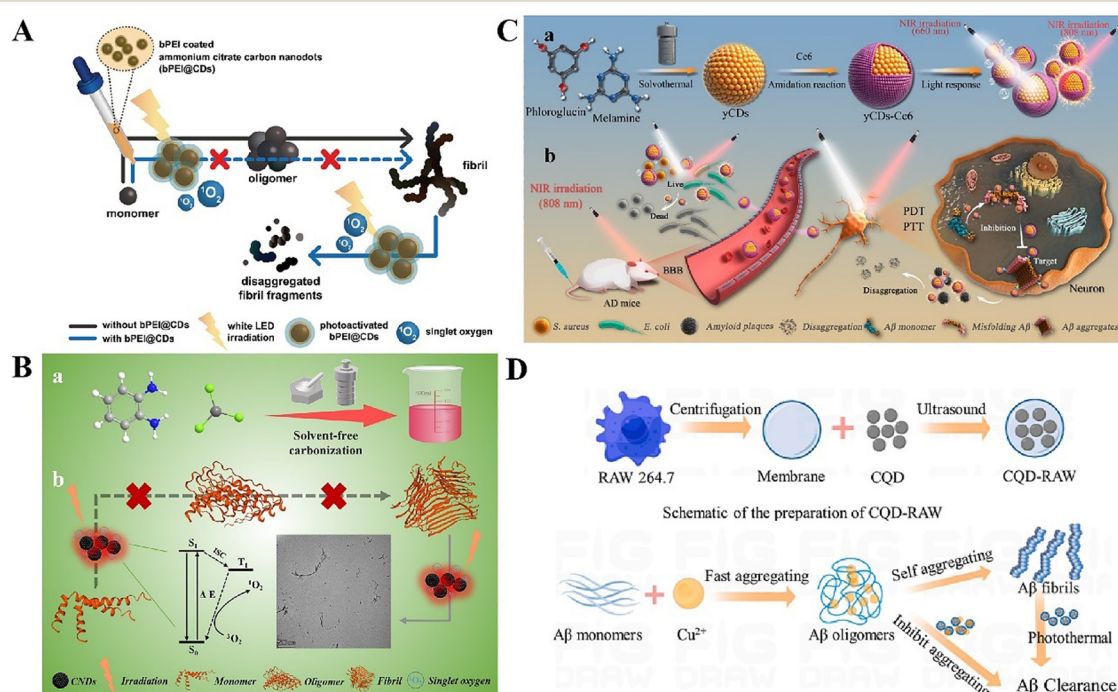


Fig. 1 (A) A schematic illustration of bPEI@CD capabilities in the inhibition of β -amyloid ($A\beta$) assembly and disaggregation of preformed fibrillar aggregates. Reproduced with permission.⁸⁸ Copyright 2017, John Wiley and Sons. (B) (a) The synthesis of the CNDs. (b) The mechanism of the modulation of amyloid aggregation under 580 nm irradiation. Reproduced with permission.⁹⁰ Copyright 2024, The Royal Society of Chemistry. (C) Schematic representation for the synthesis of the yCDs and yCDs-Ce6 and illustration of the mechanism of the inhibitory effect on $A\beta$ aggregation and microbial infection under PTT and PDT treatments. Reproduced with permission.⁹¹ Copyright 2022, American Chemical Society. (D) Schematic of the mechanism of CQD-RAW inhibition and clearance of $A\beta$. Reproduced with permission.⁹² Copyright 2023, Elsevier.

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

Department of Chemistry, School of Chemistry and Chemical Engineering, Northwestern Polytechnical University, 127 Youyi Road, Xi'an 710072, China.
E-mail: xinwang@nwpu.edu.cn, guanping1113@nwpu.edu.cn, huxl@nwpu.edu.cn