

## CORRECTION

[View Article Online](#)  
[View Journal](#) | [View Issue](#)Correction: Recent developments in emerging  
two-dimensional materials and their applicationsCite this: *J. Mater. Chem. C*, 2025,  
13, 4816Karim Khan,<sup>\*abcd</sup> Ayesha Khan Tareen,<sup>\*b</sup> Muhammad Aslam,<sup>e</sup> Renheng Wang,<sup>cd</sup>  
Yupeng Zhang,<sup>cd</sup> Asif Mahmood,<sup>f</sup> Zhengbiao Ouyang,<sup>\*b</sup> Han Zhang<sup>\*c</sup> and  
Zhongyi Guo<sup>\*a</sup>

DOI: 10.1039/d5tc90028j

[rsc.li/materials-c](https://rsc.li/materials-c)Correction for 'Recent developments in emerging two-dimensional materials and their applications' by  
Karim Khan et al., *J. Mater. Chem. C*, 2020, **8**, 387–440, <https://doi.org/10.1039/C9TC04187G>.

Several citations were misattributed or omitted in the published version of the paper. The list here provides correct references for these citations.

The reference for Fig. 3a was omitted: figure adapted from Fig. 4 in ref. 1 here.

The reference for Fig. 3b was omitted: citation should be to ref. 80 in the original article.

The reference for Fig. 3e was omitted: figure adapted from Fig. 4 in ref. 91 in the original article.

The reference for Fig. 11 was misattributed to ref. 263 and 265: citation should be to ref. 264 in the original article.

The affiliation for Han Zhang was incorrectly listed as *b* in the original publication. The correct affiliation for author Han Zhang is *c*. The corrected list of affiliations is shown above.

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

## References

- 1 V. K. Sangwan and M. C. Hersam, Electronic Transport in Two-Dimensional Materials, *Annu. Rev. Phys. Chem.*, 2018, **69**, 299–325, DOI: [10.1146/annurev-physchem-050317-021353](https://doi.org/10.1146/annurev-physchem-050317-021353).

<sup>a</sup> School of Electrical Engineering & Intelligentization, Dongguan University of Technology, Dongguan (DGUT), Dongguan, 523808, Guangdong Province, P. R. China. E-mail: karim\_khan\_niazi@yahoo.com, guozhongyi@hfut.edu.cn

<sup>b</sup> College of Physics and Optoelectronic Engineering, and THz Technical Research Center of Shenzhen University, Key Laboratory of Optoelectronics Devices and Systems of Ministry of Education and Guangdong Province, Shenzhen University, Shenzhen 518060, P. R. China. E-mail: chemistayesha@yahoo.com, zbouyang@szu.edu.cn

<sup>c</sup> Shenzhen Engineering Laboratory of Phosphorene and Optoelectronics, and SZU-NUS Collaborative Innovation Center for Optoelectronic Science and Technology, Shenzhen University, Shenzhen, 518060, P. R. China. E-mail: hzhang@szu.edu.cn

<sup>d</sup> Institute of Microscale Optoelectronics, Collaborative Innovation Centre for Optoelectronic Science & Technology, Key Laboratory of Optoelectronic Devices and Systems of Ministry of Education and Guangdong Province, College of Physics and Optoelectronic Engineering, Shenzhen Key Laboratory of Micro-Nano Photonic Information Technology, Guangdong Laboratory of Artificial Intelligence and Digital Economy (SZ), Shenzhen University, Shenzhen 518060, P. R. China

<sup>e</sup> Government Degree College Paharpur, Gomal University, Dera Ismail Khan, Khyber Pakhtunkhwa Province, Islamic Republic of Pakistan

<sup>f</sup> School of Chemical and Biomolecular Engineering, University of Sydney, 2006, Sydney, Australia

