



Cite this: *Phys. Chem. Chem. Phys.*, 2020, 22, 8235

DOI: 10.1039/d0cp90074e

rsc.li/pccp

Correction: Nanoporous two-dimensional MoS₂ membranes for fast saline solution purification

Jianlong Kou,^{ab} Jun Yao,^{*a} Lili Wu,^b Xiaoyan Zhou,^b Hangjun Lu,^b Fengmin Wu^b and Jintu Fan^c

Correction for 'Nanoporous two-dimensional MoS₂ membranes for fast saline solution purification' by Jianlong Kou et al., *Phys. Chem. Chem. Phys.*, 2016, **18**, 22210–22216.

It should be noted that the text “Applied force on an individual molecule is given by $f = \Delta P A / n$, where ΔP is the desired hydrostatic pressure, A is the area of the membrane, and n is the total number of molecules in the simulation system” on page 22212 of the published paper is not accurate. It should be “... and n is the total number of molecules to which forces are applied in the simulation system”. The force is applied to all water molecules and ions to produce osmotic pressure, and n is the total number of water molecules and ions; the atoms in the MoS₂ membrane are not calculated. In addition, ref. 47 was cited in the paper, which is not correct. In actuality, the new reference given here as ref. 1 is more appropriate.

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

References

- 1 F. Zhu, E. Tajkhorshid and K. Schulten, *Biophys. J.*, 2002, **83**, 154–160.

^a State Key Laboratory of Heavy Oil Processing, and School of Petroleum Engineering, China University of Petroleum (East China), Qingdao 266580, China.
E-mail: yaojunhdp@126.com

^b Institute of Condensed Matter Physics, and Zhejiang Province Key Laboratory of Solid State Optoelectronic Devices, Zhejiang Normal University, Jinhua 321004, China

^c Department of Fiber Science and Apparel Design, Cornell University, Ithaca, New York 14853-4401, USA

