



Author Correction: Iontronic pressure sensor with high sensitivity over ultra-broad linear range enabled by laser-induced gradient micro-pyramids

Correction to: *Nature Communications*
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The original version of this Article contained an error in Fig. 2g, in which the legend of curve ‘GPML₇₀₀ 20 wt%’ was incorrectly swapped with ‘GPML₇₀₀ 50 wt%’, and ‘GPML₅₀₀ 20 wt%’ was incorrectly swapped with ‘GPML₅₀₀ 50 wt%’.

The original version of this Article omitted that ‘(3-Aminopropyl)triethoxysilane (APTES)’ was obtained from Sigma-Aldrich. This has now been included in the ‘Materials and chemicals’ subsection of the ‘Methods’ section.

Finally, the original version of the Supplementary Information contained errors or misplaced information in Supplementary Tables 2, 4, 6. These were as follows:

In Supplementary Table 2

- The “Type”, “Linear Sensing Range (kPa)” and “Linear Sensing Factor (S_p)” of the pressure sensor reported in previous Supplementary Reference [18], Zhou H, et al. Capacitive pressure sensors containing reliefs on solution-processable hydrogel electrodes. *ACS Applied Materials & Interfaces* 13, 1441-1451 (2021), have been incorrectly given as “EDL: mold-based”, “7.4”, and “56.98”, respectively. The correct values are “Conventional: mold-based”, “0.86”, and “6.622”. The line, which was previously in the 3rd row, has been moved to the 11th row and is now Supplementary Reference [26].
- The “Structure Fabrication Method” of the pressure sensor reported in Supplementary Reference [29], Yang J, et al. Flexible, Tunable, and Ultrasensitive Capacitive Pressure Sensor with Microconformal Graphene Electrodes. *ACS Applied Materials & Interfaces* 11, 14997-15006 (2019), has been incorrectly given as “Photolithography Silicon wafer”. The correct value is “UV lithography copper foil”.
- The “Linear Sensing Factor (S_p)” of the pressure sensor reported in Supplementary Reference [32], Qiu J, et al. Rapid-response, low detection limit, and high-sensitivity capacitive flexible tactile sensor based on three-dimensional porous dielectric layer for wearable electronic skin. *ACS applied materials & interfaces* 11, 40716-40725 (2019), has been incorrectly given as “18.6”. The correct value is “0.0186”.
- The pressure sensor reported in previous Supplementary Reference [35], Zhang Y, et al. Flexible and Highly Sensitive Pressure Sensors with Surface Discrete Microdomes Made from Self-Assembled Polymer Microspheres Array. *Macromol Chem Phys* 221, 2000073 (2020), was incorrectly included in this table. The reported sensor in this work is piezoresistive instead of capacitive. Therefore, this reference has been removed.

In Supplementary Table 4, the 6th row was incorrectly referenced with Supplementary Reference [3]. The correct reference for this row is Supplementary Reference [2], Ji B, et al. Gradient Architecture-Enabled Capacitive Tactile Sensor with High Sensitivity and Ultrabroad Linearity Range. *Small* 17, e2103312 (2021).

In Supplementary Table 6, the 16th row “Type”, “Sensing Range (kPa)”, and “Sensitivity (kPa⁻¹)” were incorrectly given as “EDL”, “0-7.4”, and “7.7”, respectively. The correct values are “parallel plate”, “0-0.86/0.86-4.90/4.90-7.4”, and “7.7/3.95/1.26”, respectively.

The Supplementary References have been updated to reflect the change of previous Supplementary Reference [18] to Supplementary Reference [26], and removal of previous Supplementary Reference [35].

These have been corrected in both the PDF and HTML versions of the Article. The HTML has also been updated to include a corrected version of the Supplementary Information.

Corrections & amendments

Additional information

Supplementary information The online version contains supplementary material available at <https://doi.org/10.1038/s41467-023-39675-z>.

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