



Cite as
Nano-Micro Lett.
(2022) 14:116

Published online: 28 April 2022
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Correction to: Ni Flower/MXene-Melamine Foam Derived 3D Magnetic/Conductive Networks for Ultra-Efficient Microwave Absorption and Infrared Stealth

Haoran Cheng¹, Yamin Pan¹, Xin Wang², Chuntai Liu¹, Changyu Shen¹, Dirk W. Schubert², Zhanhu Guo³, Xianhu Liu¹ ✉

Correction to: Nano-Micro Lett. (2022) 14:63
<https://doi.org/10.1007/s40820-022-00812-w>

The original version of this article unfortunately contained some mistakes. The corrections are updated as follows:

Error 1:

We found that Equations 3, 4 and 6 were wrong in the published paper:

$$RL = 20 \left| \frac{Z_{in} - Z_0}{Z_{in} + Z_0} \right| \quad (3)$$

$$Z_{in} = Z_0 \sqrt{\frac{r}{r}} \tanh \left(j \frac{2\pi f d}{c} \sqrt{rr} \right) \quad (4)$$

$$\frac{Z_{in}}{Z_0} = \sqrt{\frac{r}{r}} \tanh \left(j \frac{2\pi f d}{c} \sqrt{rr} \right) \quad (6)$$

It should be corrected to the following formula

$$RL = 20 \log \left| \frac{Z_{in} - Z_0}{Z_{in} + Z_0} \right| \quad (3)$$

$$Z_{in} = Z_0 \sqrt{\frac{\mu_r}{\epsilon_r}} \tanh \left(j \frac{2\pi f d}{c} \sqrt{\mu_r \epsilon_r} \right) \quad (4)$$

$$\frac{Z_{in}}{Z_0} = \sqrt{\frac{\mu_r}{\epsilon_r}} \tanh \left(j \frac{2\pi f d}{c} \sqrt{\mu_r \epsilon_r} \right) \quad (6)$$

Error 2:

In the page 7, “Since N Ni/MXene-MF possessed numerous heterogeneous interfaces and abundant functional groups, the dielectric loss mechanism was explored.”

Should be:

“Since Ni/MXene-MF possessed numerous heterogeneous interfaces and abundant functional groups, the dielectric loss mechanism was explored.”

Error 3:

In the page 8, “In particular, a strong RL_{min} of 62.7 dB with the EAB of 6.24 GHz at the ultrathin thickness of 2 mm.”

Should be:

In the page 8, “In particular, a strong RL_{min} of −62.7 dB with the EAB of 6.24 GHz at the ultrathin thickness of 2 mm.”

Error 4:

In the page 8, “Here, the impedance matching was evaluated by introducing the $|Z_{in}/Z_0|$ value, which can be calculated based on Eq. 5”; and, in the page 9, “Based on Eq. 4”.

Should be:

“Here, the impedance matching was evaluated by introducing the $|Z_{in}/Z_0|$ value, which can be calculated based on Eq. 6”; and “Based on Eq. 7”.

The original article can be found online at <https://doi.org/10.1007/s40820-022-00812-w>.

✉ Xianhu Liu, xianhu.liu@zzu.edu.cn

¹ Key Laboratory of Advanced Material Processing & Mold (Ministry of Education), National Engineering Research Center for Advanced Polymer Processing Technology, College of Materials Science and Engineering, Zhengzhou University, Zhengzhou 450002, People’s Republic of China

² Institute of Polymer Materials, Friedrich-Alexander-University Erlangen-Nuremberg, Martensstr. 7, 91058 Erlangen, Germany

³ Integrated Composites Laboratory (ICL), Department of Chemical & Biomolecular Engineering, University of Tennessee, Knoxville, TN 37996, USA

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