

Correction

Correction: Wang, Y.; et al. Magnesium Alloy Matching Layer for High-Performance Transducer Applications. *Sensors* 2018, 18, 4424

Yulei Wang ¹, Jingya Tao ¹, Feifei Guo ^{1,*}, Shiyang Li ², Xingyi Huang ³, Jie Dong ^{1,*} and Wenwu Cao ⁴

¹ National Engineering Research Center of Light Alloy Net Forming, School of Materials Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

² Department of Instrument Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

³ Shanghai Key Lab of Electrical Insulation and Thermal Aging, Shanghai Jiao Tong University, Shanghai 200240, China

⁴ Department of Mathematics and Materials Research Institute, The Pennsylvania State University, University Park, PA 16802, USA

* Correspondence: guoifeifei19850106@163.com (F.G.); jiedong@sjtu.edu.cn (J.D.)

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The authors wish to make the following corrections to this paper [1]:

In the Results and Discussion section of the paper [1], Figures 7 and 8 from another set of simulations using different parameters were mistakenly used, so the correct ones are given below:

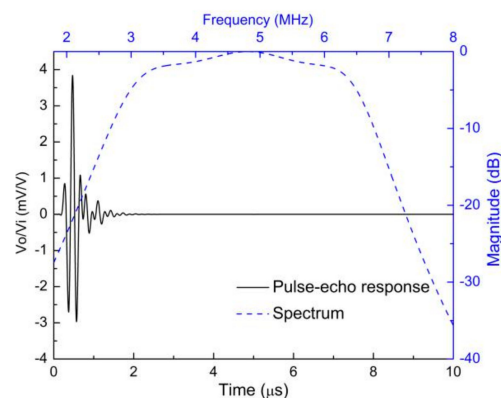


Figure 7. The modeled pulse–echo response and the FFT spectrum of the 5 MHz transducer.

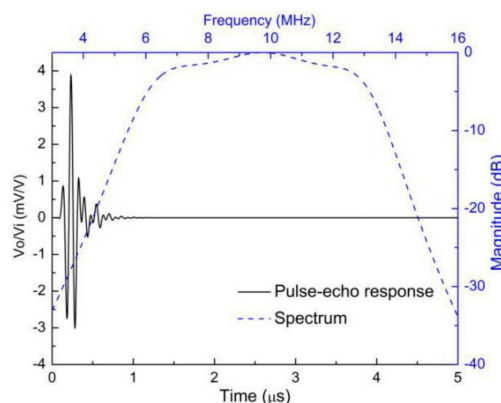


Figure 8. The modeled pulse–echo response and the FFT spectrum of the 10 MHz transducer.

The designed 5 MHz transducer showed a center frequency of 4.73 MHz after putting the backing and matching layers with a -6 dB bandwidth of 77.38% (corresponding to the lower and upper -6 dB frequencies of 2.90 MHz and 6.56 MHz). The center frequency and -6 dB bandwidth for the designed 10 MHz transducer were 9.61 MHz and 77%, respectively (corresponding to the lower and upper -6 dB frequencies of 5.91 MHz and 13.31 MHz). These simulation results agreed well with the experimental results.

In addition, the anti-resonance frequency for the fabricated 5 MHz transducer listed in Table 3 of the paper [1] should be 4.87 MHz, instead of 6.0 MHz.

References

1. Wang, Y.; Tao, J.; Guo, F.; Li, S.; Huang, X.; Dong, J.; Cao, W. Magnesium Alloy Matching Layer for High-Performance Transducer Applications. *Sensors* **2018**, *18*, 4424. [[CrossRef](#)] [[PubMed](#)]



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