



## OPEN ACCESS

## EDITED BY

Yilong Cheng,  
Xi'an Jiaotong University, China

## REVIEWED BY

Candan Tamerler,  
University of Kansas, United States

## \*CORRESPONDENCE

Liquan Yang,  
✉ yanglq@lnszjk.com.cn  
Qing Yang,  
✉ yangqing\_sj@126.com

RECEIVED 28 October 2025

REVISED 30 October 2025

ACCEPTED 09 December 2025

PUBLISHED 19 December 2025

## CITATION

Cai G, Hou Z, Li P, Sun W, Guo J, Yang L and Yang Q (2025) Correction: More precise control of the *in vitro* enzymatic degradation via ternary self-blending of high/medium/low molecular weight Poly(trimethylene carbonate).

*Front. Mater.* 12:1733930.

doi: 10.3389/fmats.2025.1733930

## COPYRIGHT

© 2025 Cai, Hou, Li, Sun, Guo, Yang and Yang.

This is an open-access article distributed under the terms of the [Creative Commons Attribution License \(CC BY\)](#). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.

# Correction: More precise control of the *in vitro* enzymatic degradation via ternary self-blending of high/medium/low molecular weight Poly(trimethylene carbonate)

Guiyang Cai<sup>1</sup>, Zhipeng Hou<sup>2,3</sup>, Peng Li<sup>3</sup>, Wei Sun<sup>4</sup>, Jing Guo<sup>3</sup>, Liquan Yang<sup>3\*</sup> and Qing Yang<sup>1\*</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Shengjing Hospital of China Medical University, Shenyang, China, <sup>2</sup>Center for Molecular Science and Engineering, College of Science, Northeastern University, Shenyang, China, <sup>3</sup>NHC Key Laboratory of Reproductive Health and Medical Genetics (Liaoning Research Institute of Family Planning), China Medical University, Shenyang, China, <sup>4</sup>Department of Cell Biology, Key Laboratory of Cell Biology, Ministry of Public Health, and Key Laboratory of Medical Cell Biology, Ministry of Education, China Medical University, Shenyang, China

## KEYWORDS

poly(trimethylene carbonate), ternary self-blending, *in vitro* enzymatic degradation, lipase, degradation rate, form-stability

## A Correction on

[More precise control of the \*in vitro\* enzymatic degradation via ternary self-blending of high/medium/low molecular weight poly\(trimethylene carbonate\)](#)

by Cai G, Hou Z, Li P, Sun W, Guo J, Yang L and Yang Q (2021). *Front. Mater.* 8:733535. doi: 10.3389/fmats.2021.733535

## Error in figure

There was a mistake in [Figure 2](#) as published. The degradation images at week 1 and week 2 for the PTMC152 group and the PTMC334 group had been inadvertently duplicated. This error occurred due to inadvertent selection of the wrong image file during submission. The corrected [Figure 2](#) appears below.

The original article has been updated.

## Generative AI statement

Any alternative text (alt text) provided alongside figures in this article has been generated by Frontiers with the support of artificial intelligence and reasonable efforts have been made to ensure accuracy, including review by the authors wherever possible. If you identify any issues, please contact us.



**FIGURE 2**  
The macroscopic observation of the PTMC films PTMC films and ternary self-blending films at different times in 37 °C lipase.

## Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated

organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.