

This document certifies that the manuscript

## The Alterations of Sleep Deprivation on Brain Function: A Coordinate-Based Resting-State Functional Magnetic Resonance Imaging Meta-Analysis

prepared by the authors

**Qin Zhang, Yong-Zhe Hou, Xi-Zhao Chen, JING Li, Qin Lou, Dai-Xing Wang, Jia-Lin Li, Yanping Shu, Hui Ding**

was edited for proper English language, grammar, punctuation, spelling, and overall style by one or more of the highly qualified native English speaking editors at AJE.

This certificate was issued on **December 19, 2023** and may be verified on the [AJE website](#) using the verification code **11CB-DA08-5C96-CB2C-EFC1**.



Neither the research content nor the authors' intentions were altered in any way during the editing process. Documents receiving this certification should be English-ready for publication; however, the author has the ability to accept or reject our suggestions and changes. To verify the final AJE edited version, please visit our verification page at [aje.com/certificate](#). If you have any questions or concerns about this edited document, please contact AJE at [support@aje.com](mailto:support@aje.com).