Respected reviewer:

I appreciate your time in reviewing my manuscript so soon. Your opinion is very important and precious to me. The paper has been carefully thinking and modified. There are some detailed changes as follows:

1. **Line 26**
   Modify “mixied” to “mixed”.

2. **Line 29**
   Modify “quatz” to “quzrtz”.

3. Line 35
   Modify “Xingshenyu” to “Xingshanyu”.

4. **Line 84-87**
   Modify “strata” to “rocks”.

5. **Line 119**
   Modify “sericitization” to “sericitized”.

6. **Line 154-159**
   Modify “poor sulfide” to “sulfide-poor”.

7. **Line 224**
   Modify “quatz” to “quzrtz”.
   Modify “poor sulfide” to “sulfide-poor”.

8. Renamed the histogram boxes in figure 8.

9. **Line 353**
   Modify “valuesof” to “values of”.

10. **Line 408**
    Modify “minerliazion” to “mineralization”.

11. **Line 411**
    Modify “wee” to “we”.

12. **Line 441**
    Modify “plastic” to “ductile”.

13. **Line 530**

Modify “natural” to “native”.

14. Modify the references.

Thanks again for your guidance and valuable suggestions. If you have any queries, please don’t hesitate to contact me through Manuscript Tracking System.

Best regards.

Shunda Li