

Quaternary surface ruptures of the inherited mature Yangsan Fault: implications for intraplate earthquakes in Southeastern Korea

Comment	Changes made
Topic Editor	
	We sincerely appreciate your time and efforts in carefully checking our manuscript. We have tried our best to incorporate your constructive suggestions. We are sure that our manuscript has been improved enough to be ready for publication. You can track down all the changes we made, based on your suggestions, in the file-tracked.
Line 18: Mw 6.7-7.1?	We modified the sentence. Line 18 "magnitude of M_w 6.7–7.1"
Line 54: delete "to people".	We modified the sentence. Line 54 "caused damage near the epicentres"
Line 61: a few recent studies	We modified the sentence. Line 61 "except a few recent studies"
Line 64: I think the Yangsan Fault requires some basic information before focusing on the pattern of earthquake behavior here to show why it is chosen for studying.	We added the sentence. Line 63-65 "The Yangsan Fault is one of the vital intraplate faults in Korea that could solve this puzzle, with recent reports of Quaternary surface rupture (e.g., Kim et al., 2023), but many unknowns remain."
Line 65-74: It is better to use the simple present tense in this paragraph to match other paragraphs.	We modified the sentence. Line 67, 68, 70 "This study seeks to trace" "To achieve this, we apply multiple" "We focus on the Byeokgye"
Line 84: The Korean Peninsula is located at the eastern margin of the Eurasian Plate....	We modified the sentence. Line 86 "The Korean Peninsula is located at the eastern margin of the Eurasian Plate"
Line 86: Other regions.	We modified the sentence. Line 87 "compared with other regions on"
Line 93: Towards the WNW direction?	We modified the sentence. Line 95 "cm/yr towards the WNW direction"
Line 99: Delete research	We modified the sentence. Line 101 "increasing attention"
Line 101: What kind of structural geology?	We modified the sentence. Line 102-103 "fault structure in outcrop- and micro-scale"
Line 117: Delete significant.	We modified the sentence. Line 119 "Recent earthquakes"

Line 155: Dating methods

We modified the heading.

Line 157

["3.2 Dating methods"](#)