

Correlation between illite crystallinity and vitrinite reflectance in the Shimanto accretionary complex in Kyushu, SW Japan

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Correlation between illite crystallinity and vitrinite reflectance has been analyzed from the Shimanto accretionary complex in Kyushu, Southwest Japan. The correlation equation is estimated below.

$$R_{\max} = 7.6 - 8.7IC, r = 0.87$$

According to this equation, illite crystallinity is able to calibrate the temperature of 250 to 330 degree.