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How microfracture roughness can be used to distinguish between exhumed cracks and in-situ flow paths in shales

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1 **How microfracture roughness can be used to distinguish between exhumed cracks**  
2 **and in-situ flow paths in shales**

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15 X-ray micro-tomography; fluid flow; faults; crack growth; Hurst exponent; shale gas

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