

EPR probes in sedimentary rocks: The features of Mn²⁺- and free radicals distribution in the Permian formation in Tatarstan

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Abstract

EPR data (i.e. the distribution of Mn²⁺ in carbonate rocks and of free radicals in terrigenous rocks) may be used to characterize sedimentary beds, especially if they are unfossiliferous. The study of the distribution of Mn²⁺ that substitutes Mg²⁺ and Ca²⁺ in sedimentary dolomites suggests that the distribution is affected by their genesis. © 1991 Springer.

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