

## Genesis of apatites as investigated by electron paramagnetic resonance spectroscopy.

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### Autorzy

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### Rok wydania

1991

### Czasopismo

Mineralogia Polonica

### Numer woluminu

22

### Strony

27-39

### Kolekcja

Naukowa

### Język

Angielski

### Typ publikacji

Artykuł

### Streszczenie

Electron paramagnetic resonance spectroscopy has been used to distinguish different genetic types of apatite. By measuring the EPR signals of radical centers (O<sup>-</sup>, fluorine vacancy which captured electron, CO<sup>-3</sup>, CO<sup>3-3</sup>, PO<sup>2-4</sup> radicals) and transition metal paramagnetic ions (framework Mn<sup>2+</sup>, out-of-framework Mn<sup>2+</sup> and Fe<sup>3+</sup>) the correlation between characteristic spectra and genetic type of apatite has been found.