

**HIGHLIGHTS AND BREAKTHROUGHS**

**The crystallographic and petrogenetic significance of pegmatite phosphates**

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**Abstract:** The paper describing the new phosphate mineral correianevesite, recently published by Chukanov et al. (2014), clearly demonstrates the importance of pegmatite phosphates. For material scientists, these minerals are a source of new structure types; for petrologists, they constitute valuable tools necessary to accurately determine the temperature conditions prevailing during pegmatite differentiation processes. **Keywords:** Phosphates, pegmatites, crystal chemistry, petrography, geothermometry

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