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A stand-alone Co mineral deposit in northeastern Hunan Province, South China: its timing, origin of ore fluids and metal Co, and geodynamic setting

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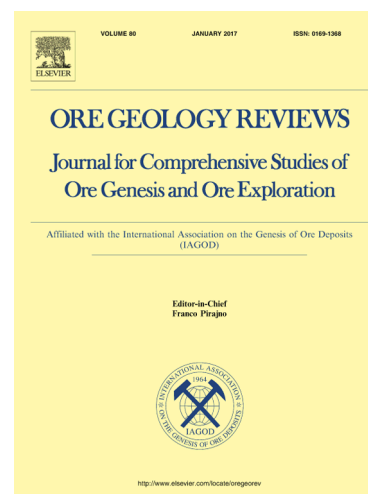
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1 **A stand-alone Co mineral deposit in northeastern Hunan Province, South**  
2 **China: its timing, origin of ore fluids and metal Co, and geodynamic setting**

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15  
16 **Abstract**

17 The Hengdong cobalt (Co) deposit, located in northeastern Hunan Province of South China, is  
18 hosted by the low-grade metamorphic volcanoclastic sedimentary rocks of the early  
19 Neoproterozoic Lengjiaxi Group. The Co orebodies strictly controlled by the NE- to  
20 ENE-trending Changsha-Pingjiang deep fault zone (CPDFZ) and its secondary structures.  
21 Occurring in altered breccias and cataclasites with similar mineral assemblages, Co  
22 mineralization is characterized by zoned alteration with predominant silicification and

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