

- 分布模式[J]. 贵州地质, 1995, 12(2): 91-184.
- [8] 王砚耕, 王尚彦. 峨眉山大火成岩省与玄武岩铜矿——以贵州二叠纪玄武岩分布区为例[J]. 贵州地质, 2003, 20(10): 5-10.
- [9] 沈定华. 与峨眉山玄武岩有关的铜矿床的成矿机制剖析[J]. 四川地质学报, 1993, 13(1): 32-36.
- [10] 钟 汉, 姚凤良. 金属矿床[M]. 北京: 地质出版社, 1987.
- [11] 王登红. 贵州寻找铂族元素矿床的思考[J]. 贵州地质, 2003, 20(3): 127-131.
- [12] 曹鸿水. 黔西南“大厂层”形成环境及其成矿作用的探讨[J]. 贵州地质, 1991, 8(1): 5-12.
- [13] 聂爱国, 谢 宏. 峨眉山玄武岩浆与贵州高砷煤成因研究[J]. 煤田地质与勘探, 2004, 32(1): 8-10.

A RESEARCH ON REGIONAL METALLOGENIC CONTRIBUTION TO GUSHING EMEISHAN BASALT MAGMA IN WESTERN OF GUIZHOU PROVINCE

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Abstract: Large scale eruption of Emeishan basalt between early and late Permian took place in the summit of basic magma activity of Emei mantle plume. Emeishan basalt is greatly contributed in the western Guizhou province. Emeishan basalt not only partook in formation of stratabound deposits like Mo, Cu, Pb, Zn, Au, Sb, Hg and Tl which were formed by groundwater ore forming fluids in form of source bed, but also led to form volcanic hydatopneumatogenic deposits or basalt type copper deposits and associated hydrothermal Pt and Pd mineralizing point. Moreover, it is a main reason for the formation of some exogenic deposits like As - high, F - high, S - high or Hg - high coal.

Key words: Emei mantle plume activity, Emeishan basalt, stratabound deposit, volcanic hydatopneumatogenic deposits, exogenic deposits

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