

Geo-electrochemical metal production: Implications for the chemical evolution of life

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Here, I show a possibility that the geo-electrochemical systems in the early-ocean hydrothermal vent environments worked as an effective means of precipitation and concentration of zero-valent forms of the transition metals (e.g., Ag⁰, Cu⁰, Fe⁰, Pb⁰), thereby provided catalytically favorable conditions for the chemical evolution of life.

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