

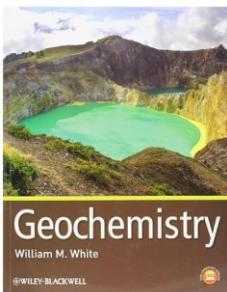
# Literatura

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## W. M. White (2001-2007) Geochemistry (vyšlo 2013 jako kniha)

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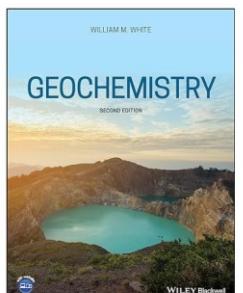
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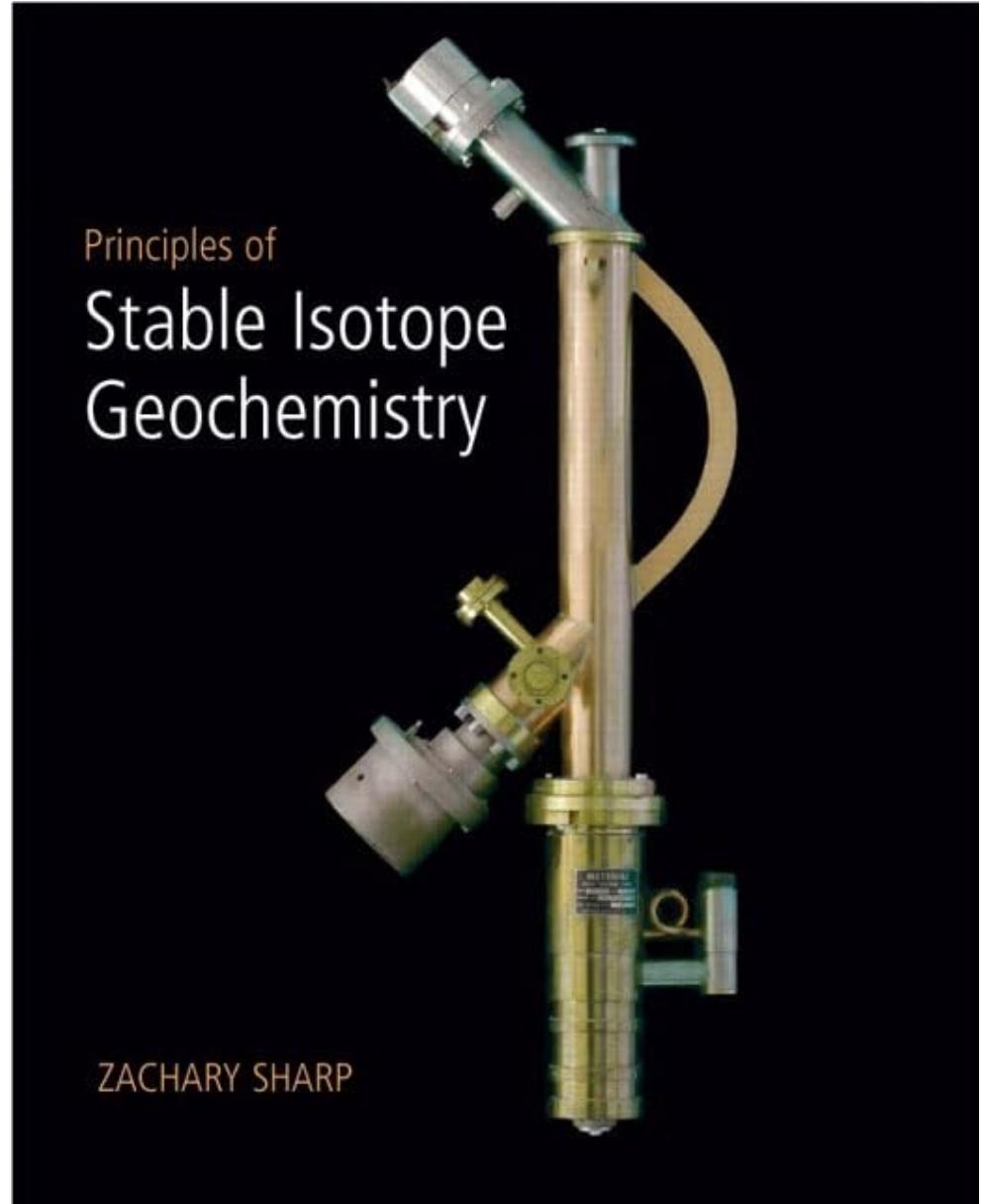
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### Základní literatura:

- Hladíková J. (1988): Základy geochemie stabilních izotopů lehkých prvků. - Skripta UJEP, Brno, 95 str.
- Sharp Z (2007): Principles of stable isotope geochemistry. ISBN 0-13-009139 – viz výše
- White WM : Isotope geochemistry. - viz výše

### Ostatní zdroje:

[<http://wwwrcamnl.wr.usgs.gov/isoig/isopubs/itchch2.html>](http://wwwrcamnl.wr.usgs.gov/isoig/isopubs/itchch2.html)

Kendall C. and Caldwell E.A. (1998): Fundamentals of isotope geochemistry.- In: Kendall C. and McDonnell J.J., eds.: Isotope tracers in catchment hydrology. - Elsevier Science B.V., Amsterdam, 51-86.

[<http://www.ggl.ulaval.ca/cgi-bin/isotope/generisotope.cgi>](http://www.ggl.ulaval.ca/cgi-bin/isotope/generisotope.cgi) (frakcionační faktory)

- Rolinson H.R. (1993): Using geochemical data: evaluation, presentation, interpretation. - Longman Scientific & Technical, Harlow, 266-315.
- Hoefs J. (1997, 2004): Stable isotope geochemistry. - Springer-Verlag, 4 th ed., Berlin, 201 str.
- Faure G. (1986): Principles of isotope geology. - J.Wiley & Sons, New York, 589 str.
- Valley J. V. and Cole D.R., eds. (2001): Stable isotope geochemistry. - Reviews in mineralogy and geochemistry, Vol. 43, Miner. Soc. Amer. and Geochem. Soc., Washington, 662 str.
- Valley J. V., Taylor H. P., Jr. and O'Neil J. R., eds. (1986): Stable isotopes in high temperature geological processes. - Reviews in mineralogy, Vol. 16, Miner. Soc. Amer., 570 str.
- Fritz S. and Fontes J. Ch., eds. (1980): Handbook of environmental isotope geochemistry, Vol.1. - Elsevier, Amsterdam, 545 str.
- Lajtha K. and Michener R.H., eds. (1994): Stable isotopes in ecology and environmental science. - Blackwell Sci. Publications, Oxford, 316 str.