

# Fluid-Rock Interactions during Metamorphism (Advances in Physical Geochemistry)



The fifth volume in this series is focused on the chemical and physical interactions between rocks undergoing metamorphism and the fluids that they generate and that pass through them. The recognition that such processes can profoundly affect the course of metamorphism has resulted in a number of recent papers and we consider that it is time for a review by some of the interested parties. We hope our selection of contributors provides an adequate cross section and demonstrates some of the flavor of this rapidly developing field. A cursory examination of the volume will reveal that there are widely divergent opinions on the compositions of metamorphic fluids and on the ways in which they interact physically and chemically with the rocks through which they pass. Since our own views are extensively discussed in Chapters 4 and 8, we leave the reader to determine his own brand of the truth. We wish to thank D. Bird, S. Bohlen, D. Carmichael, G. Flowers, C. Foster, C. Graham, E. Perry, J. Selverstone, R. Tracy, J. Valley, and R. Wollast for their chapter reviews. Thanks are also due C. Cheverton for her editorial assistance, and the helpful staff at Springer-Verlag New York.

Fluid-Rock Interactions during Metamorphism J.V. Walther Springer If in fluid-rock interaction under mildly acidic conditions the REE pattern of . During Metamorphism Advances in Physical Geochemistry, Vol. The Role of Mineral Kinetics in the Development of Metamorphic Fluid-Rock Interactions during Metamorphism pp 60-88 Cite as Part of the Advances in Physical Geochemistry book series (PHYSICAL GEOCHEMISTRY, volume 5) Fluid-Rock Interactions During Metamorphism Fluid-Rock Interactions during Metamorphism pp 132-153 Cite as Part of the Advances in Physical Geochemistry book series (PHYSICAL GEOCHEMISTRY, Fluid-Rock Interactions during Metamorphism - Google Books Result Fluid-Rock Interactions during Metamorphism. Series: Advances in Physical Geochemistry, Vol. 5. Walther, J.V., Wood, Brian J.B. (Eds.) 1986. Price from Fluid-Rock Interactions during Metamorphism : Brian J. B. Wood Fluid-Rock Interactions during Metamorphism (Advances in Physical Geochemistry Book 5) eBook: J.V. Walther, B.J. Wood, M.L. Crawford, J.M. Ferry, R.T. The origins of salinity in metamorphic fluids - Wiley Online Library Buy Fluid-Rock Interactions during Metamorphism (Advances in Physical Geochemistry) Softcover reprint of the original 1st ed. 1986 by John V. Walther Bernard Fluid Flow during Metamorphism and its Implications for Fluid-Rock Interactions. During Metamorphism. PAGE 669. Advances in Physical Geochemistry Series, vol. 5, edited by John V. Walther and Rare-earth element mobility during hydrothermal and metamorphic Fluid-Rock Interactions during Metamorphism pp

36-59 Cite as Part of the Advances in Physical Geochemistry book series (PHYSICAL GEOCHEMISTRY, volume 5) A historical review of metamorphic fluid flow - Wiley Online Library Fluid-Rock Interactions during Metamorphism pp 154-193 Cite as Part of the Advances in Physical Geochemistry book series (PHYSICAL GEOCHEMISTRY, Circular - Google Books Result Stable Isotope Geochemistry of Geofluids The fluid-rock interaction is an exchange of isotopes and/or elements taking place at . Thus, the fluid released during the prograde metamorphism may remain trapped . (2) physical processes caused by excessive flow rates and pressure gradients. . Advances in Geophysics. Fluid-Rock Interactions during Metamorphism (Advances in Physical In: Fluid-rock interactions during metamorphism (Advances in Physical Geochemistry, vol 5), Walther, J.V., Wood, B.J., Eds., New York, Mass transfer during wall-rock alteration: An example from a quartz