

Contents

GAROFALO, P. S. & RIDLEY, J. R. Gold-transporting hydrothermal fluids in the Earth's crust: an introduction	1
POKROVSKI, G. S., AKINFIEV, N. N., BORISOVA, A. Y., ZOTOV, A. V. & KOUZMANOV, K. Gold speciation and transport in geological fluids: insights from experiments and physical-chemical modelling	9
GAROFALO, P. S., FRICKER, M. B., GÜNTHER, D., BERSANI, D. & LOTTICI, P. P. Physical-chemical properties and metal budget of Au-transporting hydrothermal fluids in orogenic deposits	71
VAUGHN, E. S. & RIDLEY, J. R. Evidence for exsolution of Au-ore fluids from granites crystallized in the mid-crust, Archaean Louis Lake Batholith, Wyoming	103
KLEIN, E. L. Ore fluids of orogenic gold deposits of the Gurupi Belt, Brazil: a review of the physico-chemical properties, sources, and mechanisms of Au transport and deposition	121
ZOHEIR, B. & MORITZ, R. Fluid evolution in the El-Sid gold deposit, Eastern Desert, Egypt	147
KODĚRA, P., LEXA, J., FALICK, A. E., WÄLLE, M. & BIRŇ, A. Hydrothermal fluids in epithermal and porphyry Au deposits in the Central Slovakia Volcanic Field	177
MORITZ, R., NOVERRAZ, C., MÁRTON, I., MARCHEV, P., SPIKINGS, R., FONTIGNIE, D., SPANGENBERG, J. E., VENNEMANN, T., KOLEV, K. & HASSON, S. Sedimentary-rock-hosted epithermal systems of the Tertiary Eastern Rhodopes, Bulgaria: new constraints from the Stremtsi gold prospect	207
UPTON, P. & CRAW, D. Modelling of structural and lithological controls on mobility of fluids and gold in orogenic belts, New Zealand	231
Index	255