

SOUTH AFRICAN  
**Journal** OF **Geology**  
Transactions of the Geological Society of South Africa

**Contents**

Volume 125 Number 1 March 2022

ISSN 1012-0750 Print version

ISSN 1996-8590 Online version

3.63 Ga grey gneisses reveal the Eoarchaean history of the Zimbabwe craton <i>A. Hofmann, A. Kröner, L.M. Iaccheri, J. Wong, H. Geng and H. Xie</i> .....	1-12
Misinterpretation of zircon ages in layered intrusions <i>R. Latypov and S. Chistyakova</i> .....	13-26
Zircon geochronology and geochemistry of pre-Bushveld sills in the eastern Transvaal Supergroup, South Africa <i>R. Bolbar and R.G. Cawthorn</i> .....	27-44
Combined satellite and portable XRF exploration mapping of the Zaaipplaats tin field, South Africa <i>L.C. Vonopartis, R. Booysen, P.A.M. Nex, J.A. Kinnaird and L. J. Robb</i> .....	45-60
Provenance of metasedimentary rocks of the Kheis Terrane and Kakamas Domain: support for accretionary tectonics during the development of the western Namaqua-Natal metamorphic province. <i>H.S. Van Niekerk, M.A. Elburg, T. Andersen and R.A. Armstrong</i> .....	61-78
Micro-fractures in the Ngubevu Gold and Base Metal Mines (Natal Thrust Front, Tugela Terrane, South Africa): Are they consistent with macro-scale deformation, and what do they tell us? <i>N.S. Busakwe, E.J.M. Carranza, O. Chagi and L. Hoyer</i> .....	79-98
Constraining the timescales of mafic magmatism of the Central Karoo Large Igneous Province using high precision U-Pb zircon geochronology <i>T. Muedi, S. MacLennan, D. Szymanowski, B. Schoene, J.Ramezani, B. Linol and J. Oalmann</i> .....	99-112
Controls on the geochemistry of southern African prehnite <i>M.A. Elburg and B. Cairncross</i> .....	113-122
Macroseismic survey of the 6 February 2016 KwaZulu-Natal, South Africa earthquake <i>V. Mapuranga, A. Kijko, I. Saunders A. Singh, M. Singh and S. Zulu</i> .....	123-132