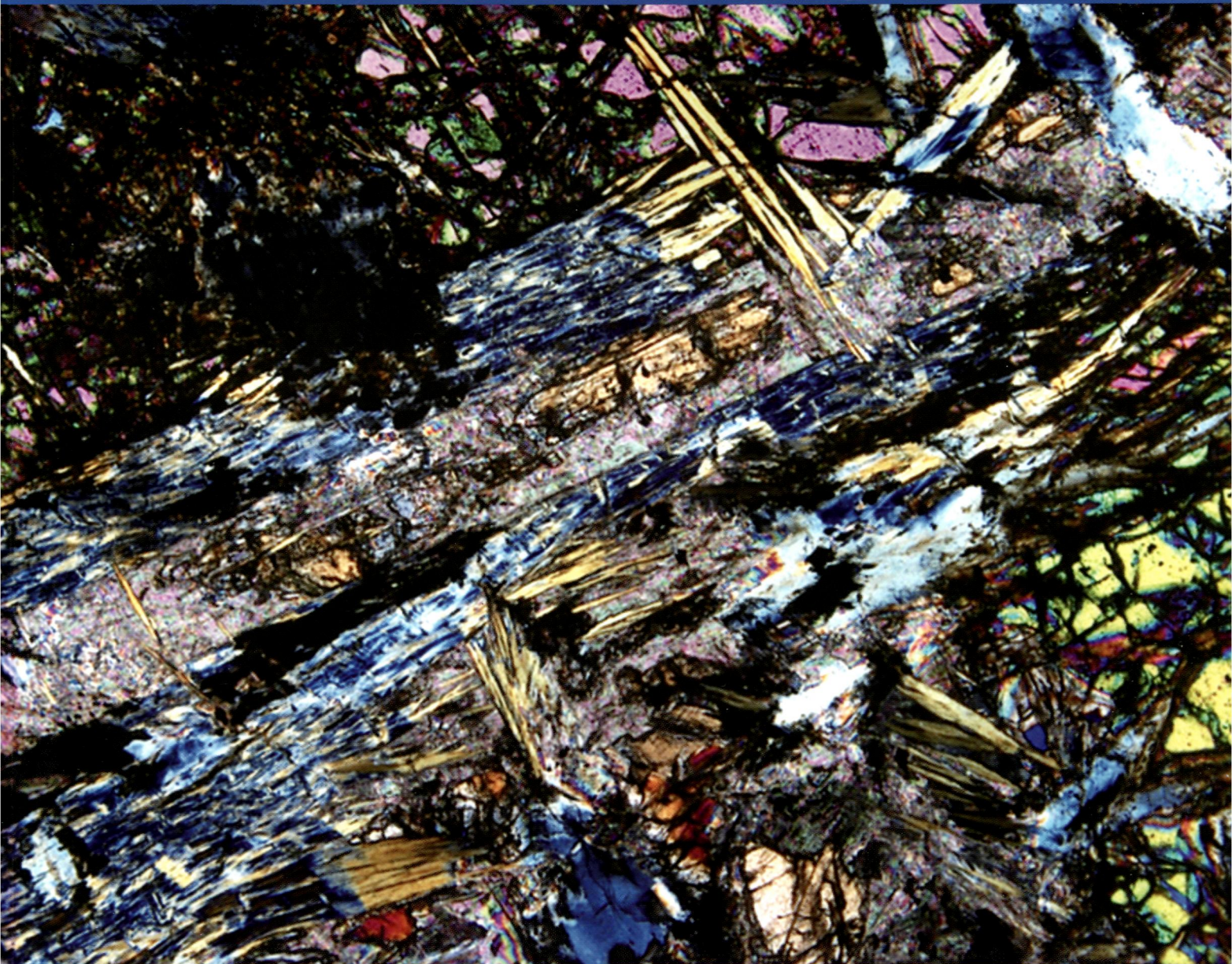


INE)  
(T)

# JOURNAL OF PETROLOGY

VOLUME 54 NUMBER 12 DECEMBER 2013

[www.petrology.oxfordjournals.org](http://www.petrology.oxfordjournals.org)



OXFORD  OPEN

OXFORD  
UNIVERSITY PRESS

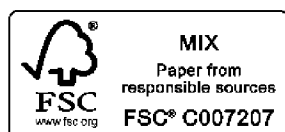
# JOURNAL OF PETROLOGY

VOLUME 54    NUMBER 12    DECEMBER 2013

## CONTENTS

- 2413 K. SHUTO, M. SATO, H. KAWABATA, Y. OSANAI, N. NAKANO & R. YASHIMA**  
Petrogenesis of Middle Miocene Primitive Basalt, Andesite and Garnet-bearing Adakitic Rhyodacite from the Ryozen Formation: Implications for the Tectono-magmatic Evolution of the NE Japan Arc [S]
- 2455 JOHN M. FERRY, NATHAN W. WINSLOW & SARAH C. PENNISTON-DORLAND**  
Re-evaluation of Infiltration-driven Regional Metamorphism in Northern New England: New Transport Models with Solid Solution and Cross-layer Equilibration of Fluid Composition
- 2487 E. V. MIKHALSKY, S. D. BOGER & F. HENJES-KUNST**  
The Geochemistry and Sm–Nd Isotopic Systematics of Precambrian Mafic Dykes and Sills in the Southern Prince Charles Mountains, East Antarctica [S]
- 2521 ANDREW K. MATZEN, MICHAEL B. BAKER, JOHN R. BECKETT & EDWARD M. STOLPER**  
The Temperature and Pressure Dependence of Nickel Partitioning between Olivine and Silicate Melt [S]
- 2547 ZEMING ZHANG, XIN DONG, HUA XIANG, J. G. LIU & M. SANTOSH**  
Building of the Deep Gangdese Arc, South Tibet: Paleocene Plutonism and Granulite-Facies Metamorphism [S]
- 2581 BRIAN R. JICHA, BRAD S. SINGER & MICHAEL J. VALENTINE**  
 $^{40}\text{Ar}/^{39}\text{Ar}$  Geochronology of Subaerial Ascension Island and a Re-evaluation of the Temporal Progression of Basaltic to Rhyolitic Volcanism [S]
- 2597 LUKÁŠ ACKERMAN, PETR ŠPAČEK, TOMÁŠ MAGNA, JAROMÍR ULRYCH, MARTIN SVOJTKA, ERNST HEGNER & KADOSA BALOGH**  
Alkaline and Carbonate-rich Melt Metasomatism and Melting of Subcontinental Lithospheric Mantle: Evidence from Mantle Xenoliths, NE Bavaria, Bohemian Massif [S]

[S] Contains supplementary data available at *Journal of Petrology* online.



Please visit the journal's World Wide Web site at <http://petrology.oxfordjournals.org/subscriptions/index.dtl>. Activate your subscription at <http://www3.oup.co.uk/Register>. Keep up-to-date with the latest contents of *Journal of Petrology* by registering for our email alerting service at <http://petrology.oxfordjournals.org/cgi/alerts.etoc>. This service is freely available to all, no subscription required.