

**Zeitschrift:** Schweizerische mineralogische und petrographische Mitteilungen =  
Bulletin suisse de minéralogie et pétrographie  
**Band:** 82 (2002)  
**Heft:** 2: Diagenesis and Low-Grade Metamorphism

## Inhaltsverzeichnis

### Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. [Mehr erfahren](#)

### Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. [En savoir plus](#)

### Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. [Find out more](#)

**Download PDF:** 17.08.2025

**ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>**

**Band 82 · Heft 2 · 2002**

<i>Schmidt, S.Th. and Ferreiro Mählmann, R.</i> : Introduction to the special issue: Diagenesis and Low-Grade Metamorphism .....	147
<i>Livi, K.J.T., Hinnov, L., Ferry, J.M., Veblen, D.R. and Frey, M.</i> : Mineral homogenization during low-temperature metamorphism Part 1: numerical models .....	151
<i>Kisch, H.J.</i> : XRD reflection-intensity ratios in slate slabs as detectors of incipient calcite fabric in slates .....	169
<i>Warr, L.N. and Peacor, D.R.</i> : Evaluation of X-ray diffraction methods for determining the crystal growth mechanisms of clay minerals in mudstones, shales and slates .....	187
<i>Brime, C. and Eberl, D.D.</i> : Growth mechanisms of low-grade illites based on shapes of crystal thickness distributions .....	203
<i>Brime, C., Castro, M. and Valín, M.L.</i> : Recognizing illitization progress from diagenesis to very low-grade metamorphism in rocks of the Cantabrian Zone (Spain) .....	211
<i>Jaboyedoff, M. and Thélin, Ph.</i> : PATISSIER: software to estimate the smectite content and number of consecutive illite layers in mixed-layer illite-smectite using illite crystallinity data .....	221
<i>Potel, S., Schmidt, S.Th. and de Capitani, C.</i> : Composition of pumpellyite, epidote and chlorite from New Caledonia – How important are metamorphic grade and whole-rock composition? .....	229
<i>Ferreiro Mählmann, R., Petrova, T.V., Pironon, J., Stern, W.B., Ghanbaja, J., Dubessy, J. and Frey, M.</i> : Transmission electron microscopy study of carbonaceous material in a metamorphic profile from diagenesis to amphibolite facies (Bündnerschiefer, Eastern Switzerland) .....	253
<i>Árkai, P., Ferreiro Mählmann, R., Suchý, V., Balogh, K., Sýkorová, J. and Frey, M.</i> : Possible effects of tectonic shear strain on phyllosilicates: a case study from the Kandersteg area, Helvetic domain, Central Alps, Switzerland .....	273
<i>Abart, R. and Ramseyer, K.</i> : Deformation induced quartz-fluid oxygen isotope exchange during low-grade metamorphism: an example from the Glarus thrust, E Switzerland .....	291
<i>Abad, I., Nieto, F. and Velilla, N.</i> : Chemical and textural characterisation of diagenetic to low-grade metamorphic phyllosilicates in turbidite sandstones of the South Portuguese Zone: A comparison between metapelites and sandstones .....	303
<i>Mullis, J., Rahn, M.K., Schwer, P., de Capitani, C., Stern, W.B. and Frey, M.</i> : Correlation of fluid inclusion temperatures with illite “crystallinity” data and clay mineral chemistry in sedimentary rocks from the external part of the Central Alps .....	325
<i>Springer, R.K. and Day, H.W.</i> : Hydrothermal amphibole in subgreenschist facies mafic rocks, western Sierra Nevada, California .....	341
<i>Bozkaya, O., Yalçın, H. and Göncüoğlu, M.C.</i> : Mineralogic and organic responses to stratigraphic irregularities: an example from the Lower Paleozoic very low-grade metamorphic units of the Eastern Taurus Autochthon, Turkey .....	355

Contents continued on page 3 of cover

### Contents continued

<i>Belmar, M., Schmidt, S.Th., Ferreiro Mählmann, R., Mullis, J., Stern, W.B. and Frey, M.</i> : Diagenesis, low-grade and contact metamorphism in the Triassic–Jurassic of the Vichuquén-Tilicura and Hualañé-Gualleco Basins, Coastal Range of Chile .....	375
<i>Wiederer, U., Königshof, P., Feist, R., Franke, W. and Doublier, M.P.</i> : Low-grade metamorphism in the Montagne Noire (S-France): Conodont Alteration Index (CAI) in Palaeozoic carbonates and implications for the exhumation of a hot metamorphic core complex .....	393
<i>Rahn, M.K., Steinmann, M. and Frey, M.</i> : Chloritoid composition and formation in the eastern Central Alps: a comparison between Penninic and Helvetic occurrences .....	409
Some forthcoming papers .....	427
SANW/ASSN 2002 Davos. 77. Jahrestagung SSMP/77 <sup>e</sup> assemblée annuelle SSMP .....	428