

Multistage evolution of ultrahigh-temperature quartz-sapphirine-spinel-orthopyroxene, from the In Ouzzal terrane (Hoggar shield, Algeria)	
<i>Adjerid Zouhir, Ouzegane Khadidja, Godard Gaston &amp; Kienast Jean-Robert</i> .....	1
Tectonic setting for formation of early Tertiary granulites, British Columbia, Canada	
<i>Andronicos Christopher L. &amp; Hollister Lincoln S.</i> .....	1
Reaction microtextures and metamorphic evolution of osumilite gneisses from Rogaland, Norway	
<i>Augustin Stefan, Drüppel Kirsten, Wirth Richard &amp; Rhede Dieter</i> .....	2
Isotope dating of the granulite facies metamorphism based on rock forming minerals (Svecofennian Belt, the Ladoga region, Russia)	
<i>Baltybaev Shauket</i> .....	3
Mesoproterozoic upper-amphibolite to granulite facies contact-metamorphism in the contact-thermal aureole of the Kunene Intrusive Complex, NW Namibia	
<i>Brandt Sönke, Klemd Reiner &amp; Drüppel Kirsten</i> .....	3
Age and metamorphic evolution of sapphirine-bearing UHT granulites from South India: new constraints from phase diagram modelling combined with LA-ICP-MS zircon and in-situ EMP monazite dating	
<i>Brandt Sönke, Schenk Volker, Raith Michael M., Appel Peter &amp; Gerdes Axel</i> .....	4
High-grade crustal metamorphism records secular change in mantle temperature and geodynamics	
<i>Brown Michael</i> .....	5
Zircon geochronology and trace element characteristics of eclogites and granulites from the Orlica-Šniežnik complex, Bohemian Massif	
<i>Bröcker Michael, Klemd Reiner, Kooijman Ellen, Berndt Jasper &amp; Larionov Alexander</i> .....	6
Mechanics of a mid-crustal extensional detachment: the role of heat, melt and rheology	
<i>Büttner Steffen</i> .....	6
Grandidierite-omnelite, boralsilite and Fe-werdingite from the Bory Granulite Massif, Czech Republic	
<i>Cempírek Jan, Novák Milan &amp; Dolníček Zdeněk</i> .....	7
Nanogranite and glassy inclusions: finding the anatectic melt in migmatites and granulites	
<i>Cesare Bernardo, Ferrero Silvio &amp; Salvioli-Mariani Emma</i> .....	8
Products of high pressure melting in synmetamorphic shear zones from the Rhodope metamorphic complex	
<i>Cherneva Zlatka, Gerdjikov Ianko, Bosse Valerie, Gautier Pierre &amp; Georgieva Milena</i> .....	8
Flow of felsic lower/middle crust in a continental accretionary wedge: a microstructural, textural, and petrological study	
<i>Chopin Francis, Schulmann Karel, Martelat Jean-Emmanuel &amp; Lexa Ondrej</i> .....	9
Regional scale high geothermal gradient metamorphism: constraining numerical models with in-situ geochronological data	
<i>Clark Christopher, Healy Dave &amp; Fitzsimons Ian</i> .....	10
UHT metamorphism in the Gawler Craton, South Australia	
<i>Cutts Kathryn A., Kelsey David E., Hand Martin, Dutch Rian A. &amp; Teale Graham</i> .....	10

Metastable persistence of pelitic assemblages during high-P granulite facies metamorphism of intermediate-mafic orthogneiss, Fiordland, New Zealand <i>Daczko Nathan R., Milan Luke A., Halpin Jacqueline A., Allibone Andrew &amp; Clarke Geoffrey L.</i> .....	11
Why are granulites so difficult to date? Insights from the Anápolis-Itaúçu Complex, Central Brazil <i>Della Giustina Maria Emilia Schutesky, Pimentel Márcio Martins &amp; Ferreira Filho César Fonseca</i> .....	11
Crustal thickening during the Alpine orogeny: insights from mafic granulite xenoliths of the Pannonian Basin <i>Dégi Júlia &amp; Török Kálmán</i> .....	12
The influence of ferric iron on the stability of mineral assemblages <i>Diener Johann &amp; Powell Roger</i> .....	13
Paleoproterozoic UHT metamorphism of In Ouzzal terrane and the contrasted Pan-African metacratonization with adjacent Tirek terrane <i>Djemai Safouane, Bendaoud Abderrahmane, Ouzegane Khadija, Haddoum Hamid &amp; Kienast Jean-Robert</i> .....	13
Mafic and felsic post-eclogite granulite from the Gridino Area (Belomorian Eclogite Province, eastern Fennoscandian Shield) <i>Dokukina Ksenia &amp; Konilov Alexander</i> .....	14
Regional vs. anorthosite-related contact metamorphism of granulite facies gneisses of Rogaland, SW Norway <i>Drüppel Kirsten, Augustin Stefan &amp; Brandt Sönke</i> .....	14
Exhumation of high grade rocks in Eastern Bohemian Massif: Insight from analogue and numerical modelling <i>Duret Thibault, Schulmann Karel, Kaus Boris &amp; Gapais Denis</i> .....	15
In-situ LA-ICPMS geochronology and calculated P-T-X phase diagrams of sapphirine granulites from Rogaland, Norway <i>Elsäßer Liz, Drüppel Kirsten &amp; Gerdes Axel</i> .....	16
Prograde pressure-temperature path and origin of the Moldanubian high-pressure granulites <i>Faryad Shah Wali, Dolejš David &amp; Nahodilová Radmila</i> .....	16
Inheritance, lead-loss, and isotopic discordance in ultra-high temperature metamorphic monazite <i>Fitzsimons Ian, Clark Christopher &amp; Kinny Pete</i> .....	17
Textural and compositional study of melt inclusions (nanogranites) in anatexitic metapelites <i>Ferrero Silvio, Cesare Bernardo, Salvioli-Mariani Emma &amp; Bodnar Robert J.</i> .....	18
The precursor of Variscan felsic granulites, process of its granulitization, and inversed rheology of feldspars and quartz in the lower-crustal conditions <i>Franěk Jan, Schulmann Karel, Lexa Ondrej, Ulrich Stanislav, Haloda Jakub &amp; Týcová Patricie</i> .....	19
Metamorphic pressure and temperature conditions of the granulites outcropping in the Gruf unit (Central Alps); geotectonic consequences <i>Galli Andrea, Schmidt Max Werner &amp; Burg Jean-Pierre</i> .....	19
Deformation of hot orogenic crust: Three-dimensional flow modes and flow mode thresholds <i>Gapais Denis, Chardon Dominique, Duret Thibault, Bajolet Flora, Schulmann Karel &amp; Martinod Joseph</i> .....	20
Granulites in modern and ancient geodynamics: predictions from numerical models <i>Gerya Taras</i> .....	21

Enderbite and charnockite types of granulite complexes: geochemistry and geodynamic environment. <i>Glebovitsky Viktor A. &amp; Sedova Irina S.</i> .....	21
Long-lived high-temperature conditions in an orogenic plateau: insight into metamorphism and migmatization through geochronology <i>Gordon Stacia M., Whitney Donna L., Teyssier Christian, Bowring Samuel A. &amp; Miller Robert B.</i> .....	22
Could boron enrichment in granulite-facies pegmatites result from fluid-mediated influx of boron from host rocks? <i>Grew Edward S.</i> .....	23
Textural evidence for partial melting in kyanite-bearing metapelites from the Namche Barwa massif, Eastern Himalayan Syntaxis, Tibet <i>Guilmette Carl, Indares Aphrodite &amp; Hébert Réjean</i> .....	23
Phase equilibria modelling of kyanite-bearing anatectic metapelites from the Namche Barwa massif, Eastern Himalayan Syntaxis, Tibet <i>Guilmette Carl, Indares Aphrodite &amp; Hébert Réjean</i> .....	24
Gravimetric imagery of crustal structure of the Bohemian Massif: new model of structure of crustal root <i>Guy Alexandra, Edel Jean Bernard, Schulmann Karel &amp; Lexa Ondrej</i> .....	25
Exhumation of the ultrahigh-pressure Western Gneiss Region of Norway <i>Hacker Bradley R., Andersen Torgeir B., Johnston Scott, Kylander-Clark Andrew R.C., Peterman Emily M., Walsh Emily O. &amp; Young David</i> .....	26
Unraveling a protracted history in the hot seat: Charnockitic magmatism in the Proterozoic Rayner Orogen, east Antarctica <i>Halpin Jacqueline A., Milan Luke A., Daczko Nathan R. &amp; Clarke Geoffrey L.</i> .....	26
Sapphirine + quartz in the Rauer Islands, Antarctica: evidence for 590 Ma UHT metamorphism and melting <i>Harley Simon L., Hokada Tomokazu, Montel Jean-Marc &amp; De Parseval Philippe</i> .....	27
Petrology and mineral trace element chemistry of granulites from the Pare/Usambara Mountains, N-Tanzania <i>Hauzenberger Christoph A., Oberwalder Stefan, Tenczer Veronika, Fritz Harald &amp; Muhongo Sospeter</i> .....	28
PTt-evolution of granulite facies rocks from Central Tanzania: a detailed study of mineral reaction textures by using pseudosection and Sm/Nd mineral isotope ages <i>Hauzenberger Christoph A., Tenczer Veronika, Fritz Harald &amp; Thöni Martin</i> .....	28
Ductile flow of lower crust: Controls and consequences <i>Jamieson Rebecca A. &amp; Beaumont Christopher</i> .....	29
Causal link between HP granulites and ultrapotassic plutonic rocks in Moldanubian Zone (Bohemian Massif) <i>Janoušek Vojtěch &amp; Holub František V.</i> .....	30
Early Cambrian protolith ages for granulitic xenoliths from České Středohoří Mts., northern Czech Republic <i>Janoušek Vojtěch, Wiegand Bettina &amp; Vrána Stanislav</i> .....	31
High and dry – metapelitic xenoliths within the Platreef of the Bushveld Complex <i>Johnson Tim E., Brown Michael &amp; White Richard W.</i> .....	31
Pan-African high-temperature polymetamorphism in Northern and Southern Madagascar <i>Jöns Niels, Schenk Volker, Appel Peter &amp; Razakamanana Théodore</i> .....	32

Solubility of TiO <sub>2</sub> in garnet to calibrate Ti geothermobarometry for ultrahigh- temperature granulites <i>Kawasaki Toshiyuki &amp; Motoyoshi Yoichi</i> .....	33
Pb-mobility and the cause of reverse discordance in zircon from high-T terrains <i>Kelly Nigel M., Hinton Richard W. &amp; Harley Simon L.</i> .....	34
Progress in linking accessory mineral growth and breakdown to major mineral evolution in metamorphic rocks – a thermodynamic approach <i>Kelsey David E., Powell Roger, Clark Christopher &amp; Hand Martin</i> .....	35
Metamorphic history of garnet-rich gneiss at Ktiš in the Lhenice shear zone (Moldanubian Zone of the southern Bohemian Massif) inferred from inclusions and compositional zoning of garnet <i>Kobayashi Tomoyuki, Hirajima Takao, Kawakami Tetsuo &amp; Svojtka Martin</i> .....	35
Diffusional modification of prograde chemical zoning in granulite-facies garnets <i>Konopásek Jiří, Caddick Mark J. &amp; Thompson Alan B.</i> .....	36
Constraints on migmatite terranes as a dynamic zone of melt generation, melt transfer, and melt accumulation during polyphase anatexis <i>Korhonen Fawna J., Brown Michael &amp; Siddoway Christine</i> .....	37
Evidence for high-pressure melting producing leucogranulites of the Bohemian Massif <i>Kotková Jana &amp; Harley Simon L.</i> .....	38
Thermo mechanical coupling of peridotites and granulites in thickened crustal root: Bohemian Massif <i>Kusbach Vladimír, Ulrich Stanislav &amp; Schulmann Karel</i> .....	38
Component mobility in corona and symplectite textures in granulites <i>Larikova Tatiana</i> .....	39
Formation of a granite bodies in depleted granulite terranes: the Wuluma Granite, central Australia <i>Lavaure Stephanie &amp; Sawyer Edward W.</i> .....	40
Melt extraction in migmatites from the Variscan Eastern Pyrenees <i>Liesa Montserrat &amp; Reche Joan</i> .....	40
Crustal thickening and high-grade metamorphism in the Central Zone of the Damara Orogen, Namibia: New results from SHRIMP dating <i>Longridge Luke, Gibson Roger L., Kinnaird Judith A. &amp; Armstrong Richard A.</i> .....	41
Characterization of metatexite and diatexite migmatites of the Higo metamorphic terrane, central Kyushu, Japan, as a residual: mass balance and mineral equilibrium calculations <i>Maki Kenshi, Yui Tzen-Fu, Mori Yasushi &amp; Miyazaki Kazuhiro</i> .....	42
Kilometric to micrometric structures of the Madagascar granulitic crust and its relation with melt <i>Martelat Jean-Emmanuel, Schulmann Karel, Randrianasolo Brice, Lardeaux Jean-Marc, Hasalová Pavlína &amp; Ulrich Stanislav</i> .....	43
Calculated hydrous granite solidi <i>Miller David, Caddick Mark J., Hack Alistair &amp; Thompson Alan B.</i> .....	43
Granulite facies calc-silicate rocks from Goianira, Anápolis-Itaçu Complex, Brazil: modelling wollastonite + scapolite stability in the NCASC and NCASHC systems <i>Moraes Renato, Powell Roger, Fuck Reinhardt A. &amp; Brown Michael</i> .....	44
A unified extrusion model for the exhumation corridor of granulite and eclogite assemblages in central Europe (eastern Bohemian - Tatra Mountains) <i>Moussallam Yves &amp; Schneider David</i> .....	45

Exhumation of deep mountain roots: P-T-t constraints on Variscan eclogites and migmatites, Western Tatra, Slovakia <i>Moussallam Yves, Schneider David, Janák Marian, Thöni Martin &amp; Ulrich Thomas</i> .....	46
Major and accessory phase control on zircon trace element signatures during granulite metamorphism <i>Möller Andreas</i> .....	47
Influence of fluids on recrystallization of quartzite in the EJB contact aureole, California. <i>Nábělek Peter I., Stephenson Sarah, Morgan Sven S. &amp; Valley John W.</i> .....	47
Heating up the crust to produce leucogranites and UHT metamorphic rocks. <i>Nábělek Peter I., Whittington Alan G. &amp; Hofmeister Anne M.</i> .....	48
New constraints on the textural and compositional evolution of coronas in granulites - how does melt control degree of equilibration? <i>Ogilvie Paula &amp; Gibson Roger L.</i> .....	49
Triassic post collisional igneous activity and granulite facies metamorphic event in the Yangpyeong area, South Korea and its meaning to the tectonics of Northeast Asia <i>Oh Chang Whan &amp; Lee Seung Yeol</i> .....	50
Trace element composition and U-Pb SHRIMP geochronology of zircon from lower crustal granulite xenoliths of the Spanish Central System <i>Orejana David, Villaseca Carlos, Armstrong Richard A. &amp; Jeffries Teresa E.</i> .....	50
P-T conditions of extreme metamorphism of the Gierałtów unit granulites within the Orlica-Śnieżnik Dome <i>Perkowski Piotr</i> .....	51
Palaeoproterozoic high-pressure granulite overprint of the Archaean continental crust: evidence for homogeneous crustal thickening (Man Rise, Ivory Coast) <i>Pitra Pavel, Kouamelan Alain N., Ballèvre Michel &amp; Peucat Jean-Jacques</i> .....	52
Establishing P-T paths for granulite facies rocks <i>Powell Roger &amp; White Richard W.</i> .....	53
Tectonic controls of granulite metamorphism in the Urals <i>Puchkov Victor</i> .....	53
New tectonic model of exhumation of the St. Leonhard granulite massif (Lower Austria) - evidence from structural and micro-strustructural analysis of orogenic fabrics <i>Racek Martin, Schulmann Karel, Lexa Ondrej &amp; Štípská Pavla</i> .....	54
New mapping of kilometric anisotropies over the granulitic continental crust of Madagascar: melt - fluid migration and associated economic implications <i>Randrianasolo Brice, Martelat Jean-Emmanuel, Lardeaux Jean-Marc, Schulmann Karel &amp; Nicollet Christian</i> .....	55
Vapour phase-absent muscovite-melting in silica-undersaturated aluminous rocks: a textbook example from the Southern Granulite Terrain, India <i>Raith Michael M., Srikantappa C., Sengupta Pulak, Kooijman Ellen &amp; Upadhyay Dewashish</i> .....	56
Granulite-facies rocks in the Grenville Province: a 110 M.y. record of upper-, mid- and lower-crustal processes in a large hot long-duration orogen <i>Rivers Toby</i> .....	56
Granulites in the Paleozoic collisional orogens <i>Rusin Anatoliy Ivanivich, Medvedeva Elena Vladimirovna, Krasnobaev Artur Antininovich &amp; Valizer Petr Michaylovich</i> .....	57
Migmatite structures and textures in orogens <i>Sawyer Edward W.</i> .....	58

Pan-African granulite-facies reworking of Archean granulites in the West-Nile area (Congo Craton), Uganda <i>Schenk Volker, Appel Peter, Jöns Niels &amp; Schumann Andreas</i> .....	58
Thermal and mechanical interactions during exhumation of orogenic lower crust in thickened crustal root (Bohemian massif) <i>Schulmann Karel, Lexa Ondrej &amp; Janoušek Vojtěch</i> .....	59
Three stage metamorphism of granulitic gneisses from the Vosges Mountains <i>Skrzypek Etienne</i> .....	60
The duration and age of Ol'khon collisional system migmatite formation <i>Sukhorukov Vasiliy &amp; Korolyuk Vladimir</i> .....	60
Using calculated chemical potential relationships to account for coronas around kyanite: an example from the Bohemian Massif <i>Štípská Pavla, Powell Roger, White Richard W. &amp; Baldwin Julie</i> .....	61
Structural position of high-pressure felsic to intermediate granulites from NE Moldanubian domain (Bohemian Massif) <i>Tajčmanová Lucie, Soejono Igor, Konopásek Jiří, Košler Jan &amp; Klötzli Urs</i> .....	61
Melt-enhanced folding and vertical movement of granulite orogen core in the transpressional Kaoko Belt (NW Namibia) <i>Ulrich Stanislav, Konopásek Jiří, Košler Jan &amp; Tajčmanová Lucie</i> .....	62
Borosilicate evolution in anatectic pegmatites from the Larsemann Hills, East Antarctica <i>Wadoski Eva R., Grew Edward S. &amp; Yates Martin G.</i> .....	63
On the interpretation of retrograde reaction textures in granulite facies rocks <i>White Richard W. &amp; Powell Roger</i> .....	64
Metamorphic evolution of the Khondalite Belt in the Western Block, North China Craton <i>Yin Changqing, Zhao Guochun, Wei Chunjing, Sun Min &amp; Leung Winghang</i> .....	64