

Table of contents:

Abalos B., Gil Ibarguchi J.I., Mendia M. & Azcárraga J. (Bilbao, Spain)	1
High-pressure strain in eclogites: evidence from garnet-aggregate image analysis and clinopyroxene crystallographic fabric studies	
Althaus E., Holl A., Lempp C. & Nataou O. (Karlsruhe, Germany)	5
Experimental rock deformation under controlled fluid pressure	
Azcárraga J., Gil Ibarguchi J.I. & Abalos B. (Bilbao, Spain)	9
Geometry, kinematics and deformation conditions of major ductile thrusts from the lower high-pressure nappes of Cabo Ortegal	
Ballhaus C. (Mainz, Freiburg, Germany) & Schumacher J. (Freiburg, Germany) ...	13
Stratigraphy, deformation, and high-pressure metamorphism of the island of Syros (Cyclades, Greece)	
Barnicoat A.C. (Leeds, U.K.)	17
High pressure metamorphism and sea-floor alteration: a control on H ₂ O-release patterns during subduction	
Brey G.P. (Frankfurt, Germany), Doroshev A.M. (Novosibirsk, Russia)	19
& Girnis A.V. (Moscow, Russia) Pyrope - khorringite and spinel - picrochromite solid solutions in Earth's mantle parageneses: Experiments in the system MgO-Al ₂ O ₃ -SiO ₂ -Cr ₂ O ₃	
Burchard M. (Bochum, Germany)	23
Melting experiments on the granitic country rock of the Dora Maira pyrope-quartzites	
Carswell D.C. (Sheffield, U.K.)	28
Barometric implications of titanite-rutile stability relationships in eclogites and gneisses from Dabieshan, Central China	
Chemenda A.I., Malavieille J. & Mattauer M. (Montpellier, France)	31
The mechanics of continental subduction and a mechanism for rapid syn-collisional exhumation of HP rocks	
Chopin C. (Paris, France)	32
Petrology of the pyrope megablasts in the Dora Maira ultrahigh-pressure rocks	
Dresen G. & Wang Z. (Potsdam, Germany)	37
Kinetics of grain growth in anorthite	
Evans B. (Cambridge, U.S.A.), Dresen G. (Potsdam, Germany)	38
& Olgaard D. (Zürich, Switzerland) Effect of rigid inclusions on plastic flow in marble	

Fockenberg T. (Bochum, Germany)	39
New experimental results up to 100 kbar in the system MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O (MASH): Preliminary stability fields of chlorite, chloritoid, staurolite, MgMgAl-pumpellyite, and pyrope	
Frey M. (Basel, Switzerland)	45
The tectono-metamorphic evolution of the Adula nappe, central Swiss Alps	
Gayk T. & Kleinschrodt R. & Seidel E. (Köln, Germany)	46
Subduction-related metasomatism in the mantle wedge: An example from the Münchberg Massif	
Gebauer D. (Zürich, Switzerland), Schertl H.-P.	49
& Schreyer W. (Bochum, Germany) A 35 Ma old ultrahigh-pressure metamorphism in the Dora Maira Massif and its geodynamic implications for the Pennine zone of the Central and Western Alps	
Gillet P. (Lyon, France), Guyot F. (Paris, France) Martinez I.,	53
Chamorro E. (Lyon, France) Schmidt M. (Bayreuth, Germany) & Chaussidon M. (Vandoeuvre les Nancy, France) Carbonates under extreme P and T conditions: experiments and thermodynamic calculations	
Gottschalk G. & Neugebauer H.J. (Bonn, Germany)	57
Interplate shear and metamorphic parameter	
Grevel C. (Münster, Bochum, Germany) & Schertl H.-P. (Bochum, Germany)	60
Geochemistry and possible protoliths of coesite-bearing pyrope quartzites and related rocks of the Southern Dora Maira Massif, Western Alps	
Grevel K.-D. (Bochum, Germany)	64
Internally consistent thermodynamic data for high pressure phases in the system CaO-MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O	
Keller G., Kunz J., Schlenker R. & Schumacher J.C. (Freiburg, Germany)	70
Geology and petrography of the central part of Syros, Greece	
Klaauw van der S.N.G.C., Reinecke T. & Stöckhert B. (Bochum, Germany)	71
Microstructural and petrologic record of the exhumation of UHP metamorphic rocks at Lago di Cignana, Western Alps	
Klein-Helmkamp U., Reinecke T. & Stöckhert B. (Bochum, Germany)	78
The aragonite-calcite-transition in LT-HP metamorphic carbonatic rocks from S-Evia, Greece: the microstructural and compositional record	
Koch-Müller M. (Berlin, Germany)	84
Experimentally determined exchange equilibria between staurolite and garnet in the system FeO-MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O	

Kruzhanov W. (Bochum, Germany)	87
About the elementary processes of pressure solution	
Küster M. & Stöckhert B. (Bochum, Germany)	91
The thermobarometric potential of fluid inclusions in high-pressure metamorphic rocks - constraints on the exhumation path	
Liati A. (Chania, Greece)	99
Development and preservation of various symplectites in kyanite eclogites from the Rhodope zone, N. Greece: implications for the granulite- and amphibolite-facies evolution	
Liou J.G. & Zhang R.Y. (Stanford, U.S.A.)	101
Ultrahigh-P metamorphic terrane in Central China - petrogenesis and isotopic characteristics	
Maresch W.V. (Münster, Germany)	103
High pressure metamorphic rocks of the Caribbean: Small-scale case histories of large-scale significance	
Maruyama S. (Tokyo, Japan)	104
Blueschists of the world and their exhumation model	
Massonne H.-J. (Bochum, Germany)	109
Thermodynamic properties of micas on the basis of high-pressure experiments in the systems K_2O - MgO - Al_2O_3 - SiO_2 - H_2O and K_2O - FeO - Al_2O_3 - SiO_2 - H_2O	
Meyre C. & Partzsch J.H. (Basel, Switzerland)	114
The metamorphic evolution of the middle Adula nappe (Central Alps, Switzerland)	
Neuser R.D. (Bochum, Germany)	116
A new high-intensity cathodoluminescence microscope and its application to weakly luminescing minerals	
Neuser R.D., Reinecke T. & Schertl H.-P. (Bochum, Germany)	119
Low temperature cathodoluminescence of selected minerals from high pressure metamorphic rocks	
Nowlan E.U. & Massonne H.-J. (Bochum, Germany)	124
Similar eclogites from the Franciscan Complex and the Ile de Groix, Brittany, but contrasting P-T evolution?	
O'Brien P.J. (Bayreuth, Germany)	128
Reaction textures and garnet zoning in overprinted high pressure metamorphic rocks as a record of their exhumation path	
Oberhänsli R. (Potsdam, Germany), Candan O. (Izmir, Turkey), Mezger K. (Mainz, Germany), Dora O. (Izmir, Turkey) & Dürr S. (Mainz, Germany)	132
High pressure relics in the Menderes Massif, Turkey	

Okay A.I. (Istanbul, Turkey)	134
How coherent is the ultrahigh-pressure metamorphic terrain of Dabie Shan, China?	
Partzsch J.H. & Meyre C. (Basel, Switzerland)	136
The structural evolution of the middle Adula nappe (Central Alps, Switzerland)	
Peun T., Zinn P. (Gießen, Potsdam, Germany),	139
Lauterjung J. (Potsdam, Germany) & Hinze E. (Gießen, Germany)	
Minerals under high pressure and temperature: in situ x-ray diffraction experiments with MAX 80 using synchrotron radiation	
Philippot P. (Paris, France)	144
Fluid composition and evolution in the coesite-bearing rocks of the Dora Maira Massif, Western Alps	
Podlesskii K.K. (Bochum, Germany; Chernogolovka, Russia)	146
Stability relations involving sapphirine in the system FeO-MgO-Al ₂ O ₃ -SiO ₂	
Reinecke T. (Bochum, Germany)	152
Ultrahigh and high-pressure metamorphic rocks of the Zermatt-Saas zone, Western Alps - records of burial and exhumation paths	
Reinhardt J. (Darmstadt, Germany)	158
Phase relations in clinohumite-rich marble from the ultrahigh-pressure unit of the Dora Maira Massif, Western Alps	
Renner J., Rummel F. & Stöckhert B. (Bochum, Germany)	160
Experimental studies on the rheology of coesite under ultra-high pressure metamorphic conditions	
Renner J., Zerbian A. & Stöckhert B. (Bochum, Germany)	166
PTt-path controlled microstructures of synthetic coesite polycrystals	
Röller K., Martin B. & Stöckhert B. (Bochum, Germany)	173
Experimental studies on pressure solution along special interfaces	
Rutter E.H. & Brodie K.H. (Manchester, U.K.)	178
Mechanistic interactions between deformation and metamorphism	
Rybacki E., Renner J., Rummel F., Stöckhert B.	184
& Harbott W. (Bochum, Germany)	
A servo-controlled testing system for deformation experiments under solid-liquid confining pressures up to 4 GPa	
Rybacki E., Rummel F. & Stöckhert B. (Bochum, Germany)	189
Synthesis and experimental deformation of polycrystalline aragonite	

Schenk V., Appel P., Möller A. & Rickers K. (Kiel, Germany)	195
Early Proterozoic MORB-type eclogites and possible remnants of a paired metamorphic belt in central Tanzania	
Schertl H.-P. (Bochum, Germany)	196
New petrologic observations on Dora Maira rocks: UHPM mineral inclusions in zircons and garnet-zoisite intergrowth textures	
Schliestedt M. (Hannover, Germany), Achramowicz S. (Wroclaw, Poland)	200
& Muszynski A. (Poznan, Poland) Eclogites from the easternmost Saxothuringian, Sudetes (Poland)	
Schmädicke E. (Würzburg, Germany) & Evans B.W. (Seattle, U.S.A.)	204
Phase relations in CMASH and NCMASH, with applications to ultramafic rocks	
Schmidt M.W. (Bayreuth, Germany) & Poli S. (Milano, Italy)	209
H ₂ O transport and release in subduction zones: the role of lawsonite and phengite in metasomatizing the mantle	
Schreyer W. & Werding G. (Bochum, Germany)	211
High-pressure behaviour of selected borosilicates and borates	
Seidel E. (Köln, Germany)	215
High-pressure/low-temperature metamorphism in the external Hellenides (Crete, Peloponnese)	
Siddiqi G., Evans B. (Cambridge, U.S.A.), Freund D.	219
& Dresen G. (Potsdam, Germany) Effect of brittle-ductile transition on transport properties	
Simon G. (Kiel, Germany; Paris, France), Chopin C. (Paris, France)	220
& Schenk V. (Kiel, Germany) Magnesiochloritoid-bearing ultrahigh-pressure parageneses in pyropes, Dora Maira Massif, Western Alps	
Simon G. (Kiel, Germany; Paris, France), Chopin C. (Paris, France)	224
& Schenk V. (Kiel, Germany) Granulite-facies overprint in ultrahigh-pressure rocks, Dora Maira Massif, Western Alps?	
Sobolev N.V., Shatsky V.S., Vavilov M.A.	228
& Korsakov A.V. (Novosibirsk, Russia) Kokchetav massif in Northern Kazakhstan - the type locality of diamondiferous metamorphic rocks	
Stöckhert B., Nowlan E.U. & Massonne H.-J. (Bochum, Germany)	229
High-pressure metamorphism under low differential stress - the record of a metapelite from the eclogite zone, Tauern window, Eastern Alps	

Stöckhert B., Wachmann M. & Schwarz S. (Bochum, Germany)	235
Rheology and structural evolution of high-pressure, low-temperature metamorphic rocks	
Theye T. (Braunschweig, Germany)	243
Geothermobarometry of low-grade aluminous metapelites	
Tilton G.R., Ames L. (Santa Barbara, U.S.A.), Schertl H.-P.	245
& Schreyer W. (Bochum, Germany)	
Age determinations on rocks of an undeformed granite contact within the coesite-bearing unit of the Dora Maira Massif	
Ulmer P. & Trommsdorff V. (Zürich, Switzerland)	248
Serpentine stability to mantle depths and subduction related magmatism	
Vogler W.S. (Marburg, Germany)	250
Who can survive high-pressure-metamorphism?	
Werner C.-D. (Freiberg, Germany)	255
HP metamorphic rocks from the Maksjutov Complex, Southern Urals	
Wheeler J. & Reddy S.M. (Liverpool, U.K.)	257
Structural context of alpine eclogites	
Willner A.P., Rötzler K. & Maresch W.V. (Münster, Germany)	258
Pressure-temperature and fluid evolution of quartzo-feldspatic metamorphic rocks with a relic high-pressure, granulite-facies history from the Central Erzgebirge (Saxony/Germany)	
Wirth R. (Potsdam, Germany) & Stöckhert B. (Bochum, Germany)	260
Coesite/quartz phase transformation: microstructures in nature and experiment	
Wolf D., Nasdala L., Gruner T. & Kempe U. (Freiberg, Germany)	263
Zirkone aus Gesteinen des Sächsischen Granulitgebirges - Morphologie und Internbau	
Wood B.J., Frost D. & Pawley A.R. (Bristol, U.K.)	264
Properties of H ₂ O and CO ₂ at high P and T	
Woodland A.B. (Heidelberg, Germany), McCammon C.A.,	267
Angel R.J. (Bayreuth, Germany) & Hugh-Jones D.A. (London, U.K.)	
The stability of high-P C2/c Mg-Fe clinopyroxene	
Wunder B., Podlesskii K.K. & Schreyer W. (Bochum, Germany)	269
Phase relations of dense hydrous magnesium silicates up to 100 kbar	
Wyllie P.J. (Pasadena, U.S.A.)	275
High pressure ultrametamorphism: reaching the solidus boundary	