

Curriculum vitae

Dr. Hans-Peter Schertl

Senior Researcher

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Personal

Born 27.10.1958 in Wetzlar, Germany

Address: Fahrendelle 42, 58455 Witten, Germany

Education

1987 Diploma, Ruhr-University Bochum, Germany

1992 Ph.-D., Ruhr-University Bochum, Germany. Thesis: "Petrology and geochemistry of an ultrahigh-pressure metamorphic rock suite of the Dora-Maira Massif/Western Alps"

Research Interests

Metamorphic Petrology. Geochemistry, petrology and geochronology of high-pressure and ultrahigh-pressure metamorphic rocks; PTt-paths and subduction/exhumation processes. Cathodoluminescence microscopy of magmatic and metamorphic rocks. Field areas: Dora Maira Massif/ Italy; Kokchetav-Massif/ Kazakhstan; Dabie Shan/China; Rio San Juan Complex/ Dominican Republic.

94 scientific papers published; 9 books/chapters in books published; H-index 24 (web of science), 28 (Google Scholar).

Research / lecturer visits

Various visits to (1) Department of Geological Sciences, University of Santa Barbara, California, USA, (2) Charles University Prague, Czech Republic, (3) Universidad Nacional de Colombia, Bogotá, Colombia, (4) Shandong University of Science and Technology, Qingdao, China

Professional societies / activities

Member: German Mineralogical Society (DMG),

Mineralogical Society of America (MSA),

Working Group "Mineralogical Museums and Collections of the DMG",

Society of Mineral Museum Professionals (SMMP),

American Geophysical Union (AGU).

2000-2004	Member: International Lithosphere Program: Projekt III-8 "Processes and Geodynamics in the Formation and Exhumation of Ultrahigh-Pressure metamorphic Terrains"
2005-2009	Member: International Lithosphere Program: Projekt II-10 "Ultra-Deep Continental Crust Subduction"
since 2001	National Representative (Germany): International Eclogite Conference Co-ordinating Committee (I.E.C.C.C.)
2007-2011	Member: IGCP 546: Subduction zones in the Caribbean
2011-2014	Member: The Leibniz Graduate School "Raw Materials, Innovation and Technology of Ancient Cultures (RITaK)
since 2014	Secretary "International Mineralogical Association" (IMA)
2015	Main organizer of the International Eclogite Conference (2015) in the Dominican Republic.
2015-2017	President "International Eclogite Conference Co-ordinating Committee" (IECCC)
2015-2020	Member: IGCP 649: Diamonds and Recycled Mantle

since 2016	Editorial board: Journal of Earth Science
2017-2019	Member: Distinguished Public Service Medal Committee "Mineralogical Society of America" (MSA)
since 2019	Editorial board: Journal of Shandong University of Science and Technology (Natural Science)
since 2020	Leader: IGCP-709: HP-UHP metamorphism and geochemical cycles in subduction zones

In addition, member of the organization committee of various meetings and sessions, for instance at IMA Johannesburg (2014), IGC Johannesburg (2016), IEC Sweden (2017), International Conference "The problems of magmatic and metamorphic petrology, geodynamics and genesis of diamonds", Novosibirsk (2018), XIX International Meeting on Crystal Chemistry, X-ray Diffraction and Spectroscopy of Minerals", Apatity (2019).

Awards

2012-2013	Distinguished lecturer "Mineralogical Society of America"
2014	Fellow "Mineralogical Society of America"
Feb. 2014	Professeur invité, Département de Géosciences, École Normale Supérieure, Paris, France
since 2017	Adjunct Professor, College of Earth Science and Engineering, Shandong University of Science and Technology, Qingdao, China

Scientific projects

- 1993-1996 Co-applicant: DFG-Research Group "High-pressure metamorphism in nature and experiment"
- 01.01.2000-31.12.2002 Applicant: DFG-Project "Pressure-temperature-time development of subduction-zone related high-pressure metamorphic rocks of the Rio San Juan- Complex, Dominican Republic" (SCHE 517/3-1; joint proposal with W.V. Maresch and A. Baumann)
- 01.06.2000-31.05.2001 Co-applicant: DFG-Project "The blueschists of Trás-os-Montes (Portugal) and their relevance of the Variscan orogeny in the NW of the Iberian Massif (MA 689/18-1; joint proposal with W.V. Maresch)
- Dez. 2010-Dez. 2013 Applicant: DFG-Project "Genesis of the jadeitites and their country rocks, Rio San Juan Complex, Dominican Republic" (SCHE 517/10-1; joint proposal with W.V. Maresch)
- März 2012-Feb. 2015 Applicant DFG-Project "Chemical zoning in pristine objects of chondrites as archive of the thermal and redox history in the early solar nebula and planetesimals" (DO 777/2-1, DO 777/2-2, SCHE 517/11-1, SCHE 517/11-2; joint proposal with R. Dohmen)

Scientific reviewer: Czech Science Foundation (GAČR), German Research Foundation (DFG), National Science Foundation (NSF) - USA, National Science Center (NCN) - Poland.

Guest- and associate editorships

- Schertl, H.-P., Gilotti, J.A., Cuthbert, S.J., Perchuk A.L. (2009): 25 years of ultrahigh-pressure metamorphism. *European Journal of Mineralogy*.
- Sobolev, N.V., Dobretsov, N.L., Ohtani, E., Taylor, L.A., Schertl H.-P., Palyanov, Yu. N. (2015): Crystallogenes and mineralogy: Link to deep carbon cycle. *Russian Geology and Geophysics*.
- Gilotti, J.A., Rubatto, D., Schertl, H.-P. (2015 & 2016): Advances in Ultrahigh-Pressure Metamorphism. Centennial celebration of American Mineralogist.

- Schertl, H.-P., Maresch, W.V., McClelland, W.C., Mattinson, C. (2016): Blueschist- to eclogite-facies rocks: from HP to UHP. *European Journal of Mineralogy*.
- Zhang, L., Zhang, Z., Schertl, H.-P., Wei, C. (2019): HP-UHP Metamorphism and Tectonic Evolution of Orogenic Belts. *Geological Society of London Special Publications*.
- Maresch, W.V., Schertl, H.-P., Armbruster, T. (2019): "Special issue – Honour Christian Chopin". *European Journal of Mineralogy*.
- Li, X.-P., Schertl, H.-P., Reinhardt, J. (2019): Metamorphism and Orogenic Belt: Response from micro to macro-scale. *Journal of Earth Science*.

Publications

1. Tilton, G.R., Schreyer, W., Schertl, H.-P. (1989): Pb-Sr-Nd isotopic behavior of deeply subducted crustal rocks from the Dora Maira Massif, Western Alps, Italy. *Geochimica et Cosmochimica Acta*, 53:1391-1400.
2. Schertl, H.-P., Schreyer, W., Chopin, C. (1991): The pyrope-coesite rocks and their country rocks at Parigi, Dora Maira Massif, Western Alps: Detailed petrography, mineral chemistry and PT-path. *Contributions to Mineralogy and Petrology* 108:1-21.
3. Tilton, G.R., Schreyer, W., Schertl, H.-P. (1991): Pb-Sr-Nd isotopic behavior of deeply subducted crustal rocks from the Dora Maira Massif, Western Alps, Italy-II: what is the age of the ultrahigh-pressure metamorphism? *Contributions to Mineralogy and Petrology* 108:22-33.
4. Schertl, H.-P., Okay, A.I. (1994): A coesite inclusion in dolomite in Dabie Shan, China: Petrological and rheological significance. *European Journal of Mineralogy* 6:995-1000.
5. Chopin, C., Ferraris, G., Ivaldi, G., Schertl, H.-P., Schreyer, W., Compagnoni, R., Davidson, C., Davis, M. (1995): Magnesiodumortierite, a new mineral from very-high-pressure rocks (Western Alps). II. Crystal chemistry and petrological significance. *European Journal of Mineralogy* 7:525-535.
6. Grevel, C., Schertl, H.-P. (1995): Geochemistry and possible protoliths of coesite-bearing pyrope quartzites and related rocks of the southern Dora Maira Massif, Western Alps. *Bochumer Geologische und Geotechnische Arbeiten* 44:60-63.
7. Gebauer, D., Schertl, H.-P., Schreyer, W. (1995): 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. *Bochumer Geologische und Geotechnische Arbeiten* 44:49-53.
8. Neuser, R.D., Reinecke, T., Schertl, H.-P. (1995): Low temperature cathodoluminescence of selected minerals from high pressure rocks. *Bochumer Geologische und Geotechnische Arbeiten* 44:119-123.
9. Schertl, H.-P. (1995): New petrologic observations on Dora Maira rocks: UHPM mineral inclusions in zircons and garnet-zoisite intergrowth textures. *Bochumer Geologische und Geotechnische Arbeiten* 44:196-199.
10. Tilton, G.R., Ames, L., Schertl, H.-P., Schreyer, W. (1995): Age determinations on rocks of an undeformed granite contact within the coesite-bearing unit of the Dora Maira Massif. *Bochumer Geologische und Geotechnische Arbeiten* 44:245-247.
11. Schertl, H.-P., Schreyer, W. (1996): Mineral inclusions in heavy minerals of the ultrahigh-pressure metamorphic rocks of the Dora Maira Massif and their bearing on the relative timing of the petrological events. *Isotopic Studies of Crust-Mantle Evolution*. In: A. Basu and S.R. Hart (eds.), *Earth Processes: Reading the Isotopic Code*, AGU, *Geophysical Monograph Vol. 95*:331-342.
12. Gebauer, D., Schertl, H.-P., Brix, M., Schreyer, W. (1997): 35 Ma old ultrahigh-pressure metamorphism and evidence for very rapid exhumation in the Dora Maira Massif, Western Alps. *Lithos* 41:5-24.
13. Tilton, G.R., Ames, L., Schertl, H.-P., Schreyer, W. (1997): Reconnaissance isotopic investigations on rocks of an undeformed granite contact within the coesite-bearing unit of the Dora Maira Massif. *Lithos* 41:25-36.

14. Sobolev, N.V., Schertl, H.-P., Shatsky, V.S. (1999): Some specific features of carbonate-bearing garnet-pyroxene rocks. IV International Eclogite Field Symposium Russia-Kazakhstan, Field Guide Book, 33-36.
15. Chopin, C., Schertl, H.-P. (1999): The UHP Unit in the Dora-Maira Massif, Western Alps. *International Geology Review* 41:765-780.
16. Nowlan, E.U., Schertl, H.-P., Schreyer, W. (2000): Garnet-omphacite-phengite thermobarometry of eclogites from the coesite-bearing unit of the Dora-Maira Massif, Western Alps. *Lithos* 52:197-214.
17. Sobolev, N.V., Schertl, H.-P., Burchard, M., Shatsky, V.S. (2001): An unusual pyrope-grossular garnet and its paragenesis from diamondiferous carbonate-silicate rocks of the Kokchetav Massif, Kazakhstan. *Doklady Earth Sciences* 380, Nr. 7:791-794.
18. Schertl, H.-P., Neuser, R.D., Sobolev, N.V., Shatsky, V.S. (2004): UHP-metamorphic rocks from Dora Maira/Western Alps and Kokchetav/Kazakhstan: New insights using cathodoluminescence petrography. *European Journal of Mineralogy*, 16:49-57.
19. Mosenfelder, J.L., Schertl, H.-P., Smyth, J.R., Liou, J.G. (2004): Factors in the preservation of coesite: the importance of fluid infiltration. *American Mineralogist*, 90:779-789.
20. Balcázar, N., Maresch, W.V., Schertl, H.-P., Baumann, A., Krebs, M. (2005): Petrology of the high-pressure Basal Unit, Morais Complex, NE Portugal. *Indian Journal of Geology*, 75:9-37.
21. Perchuk, A.L., Burchard, M., Maresch, W.V., Schertl, H.-P. (2005): Fluid-mediated modification of garnet interiors under ultrahigh-pressure conditions. *Terra Nova* 17:545-553.
22. Schertl, H.-P., Medenbach, O., Neuser, R.D. (2005): UHP-metamorphic rocks from Dora Maira, Western Alps: Cathodoluminescence of silica and twinning of coesite. *Russian Geology and Geophysics*, 46:1327-1332.
23. Hwang, S.-L., Chu H.-T., Yui, T.-F., Shen, P., Schertl, H.-P., Liou, J.G., Sobolev, N.V. (2006): Nanometer-size P/K-rich silica glass (former melt) inclusions in microdiamond from the gneisses of Kokchetav and Erzgebirge massifs: Diversified characteristics of the formation media of metamorphic microdiamond in UHP rocks due to host-rock buffering. *Earth and Planetary Science Letters* 243:94-106.
24. Sobolev, N.V., Schertl, H.-P., Neuser, R.D. (2006): Composition and paragenesis of garnets from ultrahigh-pressure calc-silicate metamorphic rocks of the Kokchetav Massif (Northern Kazakhstan). *Russian Geology and Geophysics*, 47:519-529.
25. Hwang, S.-L., Yui, T.-F., Chu H.-T., Shen, P., Schertl, H.-P., Zhang, R.Y., Liou, J.G. (2007): On the origin of oriented rutile needles in garnet from UHP eclogites. *Journal of Metamorphic Geology*, 25:349-362.
26. Schertl, H.-P., Neuser, R.D. (2007): Unusual lath-shaped garnet-zoisite intergrowth textures from a UHP zoisite-quartz fels, Dora Maira, Northwest Italy: An EBSD case study. *International Geology Review*. Vol. 49, No. 7:626-635.
27. Sobolev, N.V., Schertl, H.-P., Neuser, R.D., Shatsky, V.S. (2007): Relict unusually low iron pyrope-grossular garnets in UHPM calc-silicate rocks of the Kokchetav Massif, Kazakhstan. *International Geology Review*, Vol. 49, No. 8:717-731.
28. Jacob, D., Cordier, P., Morniroli, J. P., Schertl, H.-P. (2008): Large-angle convergent-beam electron diffraction (LACBED) characterization of (021)-twin in natural coesite. *European Journal of Mineralogy* 20:119-124.
29. Draper, G., Krebs, M., Maresch, W.V., Schertl, H.-P. (2008): Northern Rio San Juan Complex. In: Draper and Lewis (eds.): Field trip guide to the Median Belt and subduction zone rocks, Dominican Republic, 30-37.
30. Perchuk, A.L., Burchard, M., Maresch, W.V., Schertl, H.-P. (2008): Melting of hydrous and carbonate mineral inclusions in garnet host during ultrahigh pressure conditions. *Lithos* 103:25-45.
31. Krebs, M., Maresch, W.V., Schertl, H.-P., Baumann, A., Draper, G., Idleman, B., Münker, C., Trapp, E. (2008): The dynamics of intra-oceanic subduction zones: A direct comparison between

fossil petrological evidence (Rio San Juan Complex, Dominican Republic) and numerical simulation. *Lithos* 103:106-137.

32. Gross, J., Burchard, M., Schertl, H.-P., Maresch, W. (2008): Common high pressure metamorphic history of eclogite and surrounding metasediments: a case study from West Erzgebirge, Germany. *European Journal of Mineralogy* 20:757-775.
33. Schertl, H.-P., Schreyer, W. (2008): Geochemistry of coesite-bearing „pyrope quartzites“ and related rocks from the Dora-Maira Massif, Western Alps. *European Journal of Mineralogy* 20:791-809.
34. Perchuk, A.L., Burchard, M., Schertl, H.-P., Maresch, W. V., Gerya, T.V., Bernhard, H.-J., Vidal, O. (2009): Diffusion of divalent cation in garnet: multi-couple experiments. *Contributions to Mineralogy and Petrology* 157:573-592. DOI 10.1007/s00410-008-0353-6.
35. Zhang, Z.M., Schertl, H.-P., Shen, K., Wang, J.L., Liou, J.G. (2009): Source of coesite inclusions within inherited magmatic zircons from Sulu UHP rocks, eastern China and their bearing for fluid-rock interaction and SHRIMP dating. *Journal of Metamorphic Geology* 27:317-333.
36. Jacob, D., Cordier, P., Morniroli, J.-P., Schertl, H.-P. (2009): Application of precession electron diffraction to the characterization of (021) twinning in pseudo-hexagonal coesite. *American Mineralogist* 94:684-692.
37. Perchuk, A.L., Davidova, V.V., Burchard, M., Maresch, W.V., Schertl, H.-P., Yapaskurt, V.O., Safonov O.G. (2009): Modification of mineral inclusions in garnet under high-pressure conditions: experimental simulation and application to the carbonate-silicate rocks of Kokchetav massif. *Russian Geology and Geophysics* 50:1153-1168.
38. Schertl, H.-P., Gilotti J.A., Cuthbert S.J., Perchuk, A.L. (2009): Twenty-five years of ultrahigh-pressure metamorphism: Preface. *European Journal of Mineralogy* 21:1083-1084.
39. Grevel, C., Schreyer W., Grevel, K.-D., Schertl, H.-P., Willner, A.P. (2009): REE distribution, mobilization and fractionation in the coesite-bearing “pyrope quartzite” and related rocks of the Dora-Maira Massif, Western Alps. *European Journal of Mineralogy* 21:1213-1224.
40. Ertl, A., Marschall, H.R., Giester, G., Henry, D.J., Schertl, H.-P., Ntaflos, T., Luvizotto, G.L., Nasdala, L., Tillmanns, E. (2010): Metamorphic ultrahigh-pressure tourmaline: Structure, chemistry, and correlations to P-T conditions. *American Mineralogist* 95:1-10.
41. Maresch, W.V., Urbani, F., Schertl, H.-P., Stanek, K. (2010): Subduction/accretion-related high-pressure rocks of Margarita Island, Venezuela. *Field Guidebook, IGCP 546, Subduction zones of the Caribbean*.
42. Kryza, R., Willner, A.P., Massonne, H.-J., Muszyński, A., Schertl, H.-P. (2011): Blueschist-facies metamorphism in the Kaczawa Mountains (Sudetes, SW Poland) of the Central-European Variscides: P-T constraints by a jadeite-bearing metatrachyte. *Mineralogical Magazine* 75(1): 241–263.
43. Krebs, M., Schertl, H.-P., Maresch, W.V., Draper, G. (2011): Mass flow in serpentinite-hosted subduction channels: P-T-path patterns of metamorphic blocks in the Rio San Juan mélange (Dominican Republic). *Journal of Asian Earth Sciences* 42:569–595.
44. Sobolev, N.V., Schertl, H.-P., Valley, J.R., Page, Z., Kita, N.T., Spicuzza, M.J., Neuser, R.D., Logvinova, A.M. (2011): Oxygen isotope variations of garnets and clinopyroxenes in a layered diamondiferous calcsilicate rock from Kokchetav Massif, Kazakhstan: a window into the geochemical nature of deeply subducted UHPM rocks. *Contributions to Mineralogy & Petrology* 162:1079–1092.
45. Schertl, H.-P., Maresch, W.V., Stanek, K.P., Hertwig, A., Krebs, M., Baese, R., Sergeev, S.S. (2012): New occurrences of jadeitite, jadeite quartzite and jadeite-lawsonite quartzite in the Dominican Republic, Hispaniola: Petrological and geochronological overview. *European Journal of Mineralogy* 24:199–216.
46. Maresch, W.V., Grevel, C., Stanek, K.-P., Schertl, H.-P., Carpenter, M. (2012): Multiple growth mechanisms of jadeite in Cuban metabasite. *European Journal of Mineralogy* 24:217–235.
47. Schertl, H.-P., Sobolev, N.V. (2013): The Kokchetav Massif, Kazakhstan: “Type locality” of diamond-bearing UHP-metamorphic rocks. *Journal of Asian Earth Sciences* 63:5-38.

48. Götze, J., Schertl, H.-P., Neuser, R.D., Kempe, U., Hanchar, J. (2013): Cathodoluminescence (OM–CL) imaging as a powerful tool to reveal internal textures of minerals. *Mineralogy and Petrology* 107:373–392.
49. Schertl, H.-P., O'Brien, P. (2013): Continental crust at mantle depths: key minerals and microstructures. *Elements* 9:261-266.
50. Maresch, W. Schertl, H.-P., Medenbach, O. (2014): *Gesteine: Systematik, Bestimmung, Entstehung* (Rocks: systematics, formation, identification; in German). Schweizerbart, 2014, Stuttgart. 2. Auflage, 359 pp.
51. Zhang, Y., Wu, Y., Jin, Z., Schertl, H.-P. (2014): Experimental constraints on the genesis of jadeite quartzite from Shuanghe, Dabieshan ultra-high pressure metamorphic terrane. *Science China – Earth Sciences* 57:104-116.
52. Li, X.-P., Xu, H., Schertl, H.-P., Kong, F.-M. (2014): Eclogite from the Qianliyan Island in the Yellow Sea: a missing link between the mainland of China and the Korean peninsula. *European Journal of Mineralogy* 26:727-741.
53. Sobolev, N.V., Dobretsov, N.L., Ohtani, E., Taylor, L.W., Schertl, H.-P., Palyanov, Y.N., Litasov, K.D. (2015): Problems related to crystallogensis and the deep carbon cycle. *Russian Geology and Geophysics* 56:1-12.
54. Schertl, H.-P., Neuser, R.D., Logvinova, A.M., Wirth, R., Sobolev, N.V. (2015): Cathodoluminescence microscopy of the Kokchetav ultrahigh-pressure calcsilicate rocks: What can we learn from silicates, carbon-hosting minerals, and diamond? *Russian Geology and Geophysics* 56:100-112.
55. Neuser, R.D., Schertl, H.-P., Logvinova, A.M., Sobolev, N.V. (2015): An EBSD study of olivine inclusions in Siberian diamonds: evidence for syngenetic growth? *Russian Geology and Geophysics* 56:321-329.
56. Hertwig, A., Maresch, W.V., Schertl, H.-P. (2015): Geological field trips: B.1 Pre-conference field trips. In: Hertwig and Maresch (eds.): *Field guide Volume, XI International Eclogite Conference, Dominican Republic, January 31 – February 7, 27-35.*
57. Hertwig, A., McClelland, W.C., Kitajima, K., Schertl, H.-P., Maresch, W.V., Stanek, K., Valley, J.W., Sergeev, S.A. (2016): Inherited igneous zircons in jadeitite predate high-pressure metamorphism and jadeitite formation in the Jagua Clara serpentinite mélangé of the Rio San Juan Complex (Dominican Republic). *Contributions to Mineralogy and Petrology*, doi 10.1007/s00410-016-1256-6.
58. Hart, E., Storey, C., Bruand, E., Schertl, H.-P., Alexander, B.D. (2016): Mineral inclusions in rutile: a novel recorder of HP-UHP metamorphism. *Earth and Planetary Science Letters* 446:137-148.
59. Schwinger, S., Dohmen, R., Schertl, H.-P. (2016): A combined diffusion and thermal modeling approach to determine peak temperatures of thermal metamorphism experienced by meteorites. *Geochimica et Cosmochimica Acta* 191:255-276.
60. Chen, Y.-X., Schertl, H.-P., Zheng, Y.-F., Huang, F., Zhou, K., Gong, Y.-Z. (2016): Mg-O isotopes trace the origin of Mg-rich fluids in the deeply subducted continental crust of Western Alps. *Earth and Planetary Science Letters*, <http://dx.doi.org/10.1016/j.epsl.2016.09.010>.
61. Maresch, W. Schertl, H.-P., Medenbach, O. (2016): *Gesteine: Systematik, Bestimmung, Entstehung* (Rocks: systematics, formation, identification; in German). Schweizerbart, 2016, Stuttgart. ISBN 978-3-510-65341-6. 3. Auflage, 368 pp.
62. Schertl, H.-P., Maresch, W.V., McClelland, W.C., Mattinson, C.G. (2016): Preface: Blueschist to eclogite facies rocks: from HP to UHP. *European Journal of Mineralogy* 28:1227-1228.
63. Schertl, H.-P., Hammerschmidt, K. (2016): Tracking the incidence of excess argon in white mica Ar-Ar data from UHP conditions to upper crustal levels in the Dora-Maira Massif, Western Alps. *European Journal of Mineralogy* 28:1255-1277.
64. Sobolev, N.V., Schertl, H.-P., Neuser, R.D., Tomilenko, A.A., Kuzmin D.V., Logvinova A.M., Tolstov, A.V., Kostrovitsky, S.I., Yakovlev, D.A., Oleinikov, O.B. (2017): Formation and evolution of hypabyssal kimberlites from the Siberian craton: Part 1 - New insights from

cathodoluminescence of the carbonates. *Journal of Asian Earth Sciences* 145:670-678, <http://dx.doi.org/10.1016/j.jseas.2017.06.009>.

65. Chen, Y.-X., Zhou, K., Zheng, Y.-F., Schertl, H.-P. (2017): Zircon geochemical constraints on the protolith nature and metasomatic process of the Mg-rich whiteschist from Western Alps. *Chemical Geology* 467:177-195.
66. Li, X.-P., Zhao, L.-Q., Schertl, H.-P., Kong, F.-M., Chen, H.-K., Zhang, X. (2017): Rodingites from the Xigaze ophiolite, Southern Tibet – new insights to the process of sea floor rodingitization. *European Journal of Mineralogy* 29:821-837, <https://doi.org/10.1127/ejm/2017/0029-2633>.
67. Wang, F., Liu, F.-L., Liu, P.H., Cai, J., Schertl, H.-P., Ji, L., Liu, L., Tian, Z. (2017): In situ zircon U-Pb dating and whole-rock geochemistry of metasedimentary rocks from South Liaohe Group, Jiao-Liao-Ji orogenic belt: Constraints on the depositional and metamorphic ages, and implications for tectonic setting. *Precambrian Research* 303:764-780, <https://doi.org/10.1016/j.precamres.2017.10.002>.
68. Ravna, E.K., Zozulya, D., Kullerud, K., Corfu, F., Nabelek, P.I., Janák, M., Slagstad, T., Davidsen, B., Selbekk, R.S., Schertl, H.-P. (2017): Deep-seated carbonatite intrusion and metasomatism in the UHP Tromsø Nappe, Northern Scandinavian Caledonides – A natural example of generation of carbonatite from carbonated eclogite. *Journal of Petrology*, 58:2403–2428. <https://doi.org/10.1093/petrology/egy016>.
69. Kawamoto, T., Hertwig, A., Schertl, H.-P., Maresch, W.V. (2018): Fluid inclusions in jadeite and jadeite-rich rock from serpentinite mélanges in northern Hispanola: Trapped ambient fluids in a cold subduction channel. *Lithos* 308-309:227-241. <https://doi.org/10.1016/j.lithos.2018.02.024>.
70. Chen, X., Xu, R., Schertl, H.-P., Zheng, Y. (2018): Eclogite-facies metamorphism in impure marble from north Qaidam orogenic belt: Geodynamic implications for early Paleozoic continental-arc collision. *Lithos* 310-311:201-224. <https://doi.org/10.1016/j.lithos.2018.04.005>.
71. Li, X.-P., Wang, X., W., Chen, S., Storey, C., Kong, F.-M., Schertl, H.-P. (2018): Petrology and zircon U–Pb dating of meta-calcsilicate from the Jiaobei terrane in the Jiao-Liao-Ji Belt of the North China Craton. *Precambrian Research* 313:221-241. <https://doi.org/10.1016/j.precamres.2018.04.018>
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