

Publications (reviewed)

Remark Since 1990 I am the Managing Editor of the journal “Mine Water and the Environment” published with Springer Germany. Before that time the journal was printed “in-house” and I transferred that journal into an internationally renowned journal, which is now listed in the Science Citation Index Expanded and between 2010 and now had impact factors between 0.62 and 1.278. Since 2008 the proceedings of the International Mine Water Association are also listed in the “Conference Proceedings Citation Index-Science”.

Monographs



- 1** Burghardt, D., Coldewey, W. G., Melchers, C., Meßer, J., Paul, M., Walter, T., Wesche, D., Westermann, S., Wieber, G., Wisotzky, F. & Wolkersdorfer, Ch. (2017): Mine Water Management Glossar [Glossar Bergmännische Wasserwirtschaft]. – 96 p., Neustadt/Wstr. (Fachsektion Hydrogeologie in der DGGV).
- 2** Hofmann, J. & Wolkersdorfer, Ch. (2013): Mining History of the Montafon [Der historische Bergbau im Montafon]. – 150 p., 51 fig., 3 tab.; Schruns (Eigenverlag Stand Montafon)
- 3** Wolkersdorfer, Ch. (2008): Water Management at Abandoned Flooded Underground Mines – Fundamentals, Tracer Tests, Modeling, Water Treatment. – 466 p., 126 fig., 34 tab.; Heidelberg (Springer).
- 4** Wolkersdorfer, Ch. (accepted for publication): Reinigungsverfahren für Grubenwasser Bewertung und Beschreibung von Verfahren. – 90 fig., 23 tab.; Heidelberg (Springer).
- 5** Wolkersdorfer, Ch., Göbel, J., Hasche-Berger, A. & Hanneberg, A. (2007): Guide to the Silberleithe Mining Trail [Führer zum Montan-Wanderweg Silberleithe]. – 79 p., 128 fig.; Biberwier (Bergwerksverein Silberleithe Tirol).

Editor










- 6** Geller, W., Schultze, M., Kleinmann, R. & Wolkersdorfer, Ch. (2013): Acidic Pit Lakes – The Legacy of Coal and Metal Surface Mines: Environmental Science and Engineering. – 525 p., 212 fig., 66 tab.; Heidelberg (Springer).
- 7** Hebert, D., Merkel, B. & Wolkersdorfer, Ch. (2002): Isotopes and tracers in water research [Isotope und Tracer in der Wasserforschung]. – Wiss. Mitt. Inst. Geol., **19**: 1–111, 78 fig., 8 tab.; Freiberg/Sachsen.
- 8** Merkel, B., Planer-Friedrich, B. & Wolkersdorfer, Ch. (2002): Uranium in the Aquatic Environment. – 1112 p., 604 fig.; Heidelberg (Springer).
- 9** Merkel, B., Wolkersdorfer, Ch. & Hasche, A. (2003): Trace Elements and Isotopes in Geochemistry – Fluids and Solids. – Wiss. Mitt. Inst. Geol., **24**: 1–95; Freiberg.
- 10** Merkel, B., Schaeben, H., Wolkersdorfer, Ch. & Hasche, A. (2004): GIS – Geoscience Applications and Developments/Treatment Technologies for Mining Impacted Water. – Wiss. Mitt. Inst. Geol., **25**: 1–175, 117 fig., 23 tab.; Freiberg.

- 11** Merkel, B. J., Schaab, H., Wolkersdorfer, Ch. & Hasche, A. (2005): Treatment technologies for mining influenced waters / GIS – Geoscience applications and developments [Behandlungstechnologien für bergbaubeeinflusste Wässer/GIS – Geowissenschaftliche Anwendungen und Entwicklungen]. – *Wiss. Mitt. Inst. Geol.*, **28**: 1–170, 124 fig., 27 tab.; Freiberg.
- 12** Merkel, B. J., Schaab, H., Wolkersdorfer, Ch. & Hasche-Berger, A. (2006): Treatment technologies for mining influenced waters / GIS – Geoscience applications and developments [Behandlungstechnologien für bergbaubeeinflusste Wässer/GIS – Geowissenschaftliche Anwendungen und Entwicklungen]. – *Wiss. Mitt. Inst. Geol.*, **31**: 1–348, 236 fig., 50 tab.; Freiberg.
- 13** Merkel, B. J., Schaab, H., Wolkersdorfer, Ch. & Hasche-Berger, A. (2007): Treatment technologies for mining influenced waters / GIS – Geoscience applications and developments [Behandlungstechnologien für bergbaubeeinflusste Wässer/GIS – Geowissenschaftliche Anwendungen und Entwicklungen]. – *Wiss. Mitt. Inst. Geol.*, **35**: 1–276, 182 fig., 46 tab.; Freiberg.
- 14** Rude, T., Freund, A. & Wolkersdorfer, Ch. (2011): Mine Water – Managing the Challenges – Proceedings of the 11th IMWA Congress. – Aachen (RWTH Aachen University Press).
- 15** Wolkersdorfer, Ch. & Bowell, R. (2005): Contemporary Reviews of Mine Water Studies in Europe. – *Mine Water and the Environment* (electronic edition), **24** (3): 1–76, 33 fig., 21 tab.; Berlin; doi:10.1007/s10230-005-0081-3.
- 16** Wolkersdorfer, Ch., Brown, A. & Figueroa, L. (2013): Reliable Mine Water Technology – Proceedings of the IMWA 2013 Conference. – 680 p.; Golden, CO (Colorado School of Mines University Press).
- 17** Wolkersdorfer, Ch. & Freund, A. (2010): Mine Water and Innovative Thinking – Proceedings of the IMWA 2010 Symposium. – 680 p.; Sydney, NS (Cape Breton University Press).
- 18** Wolkersdorfer, C., Sartz, L., Sillanpää, M. & Häkkinen, A. (2017): IMWA 2017 – Mine Water & Circular Economy: I – II. – 1328 p., Lappeenranta (Lappeenranta University of Technology).
- 19** Zeitschrift: Mine Water and the Environment – Journal of the International Mine Water Association, Springer Heidelberg, ISSN 1025–9112 (since 2000).

Journal Papers
 peer reviewed

- 20**  Abdel Wahed, M. S. M., Mohamed, E. A., Wolkersdorfer, Ch., El-Sayed, M. I., M'nif, A. & Sillanpää, M. (2015): Assessment of water quality in surface waters of the Fayoum watershed, Egypt. – *Environ. Earth Sci.*, **74** (2):1765–1783; doi:10.1007/s12665-015-4186-0.
- 21**  Akinwekomi, V., Maree, J. P. & Wolkersdorfer, Ch. (2017): Application of calcium carbonate/hydroxide and barium carbonate for the desalination of mine water. – *Mine Water Environ.* **26**(3): 264–272, 12 fig., 3 tab.; doi:10.1007/s10230-017-0451-7.
- 22** Altermann, W., Heckl, W. M., Stark, R. W., Strobel, J. & Wolkersdorfer, Ch. (2008): Nano-structure and Wetting Properties of Sedimentary Grains and Pore-Space Surface (NanoPorO). – *Geotechnologien – Science Report* **12**: 58–69; Potsdam.

- 23** Atiba-Oyewoa, O., Onyango, M. S. & Wolkersdorfer, Ch. (2016): Application of banana peels nanosorbent for the removal of radioactive minerals from real mine water. – *J. Environ. Radioact.* **164**: 369–376; 11 fig., 5 tab.; doi:10.1016/j.jenvrad.2016.08.014.
- 24** Atiba-Oyewoa, O., Onyango, M. S. & Wolkersdorfer, Ch. (2017): Adsorptive Performance of Surface-modified Montmorillonite in Vanadium Removal from Mine Water. – *Mine Water Environ.*, **36**(4):628–637, 8 fig., 4 tab., 3 app.; doi:10.1007/s10230-017-0475-z.
- 25** Atiba-Oyewoa, O., Onyango, M. S. & Wolkersdorfer, Ch. (2017): Lanthanides removal from mine water using banana peels nanosorbent. – *Int. J. Environ. Sci. Technol.*: 10 fig., 5 tab; doi:10.1007/s13762-017-1494-9.
- 26** Amezaga, J. M., Kroll, A., Jarvis, A. P., Rees, B., Puura, E., Miserč, W. M. H., Wings, R. W. M. G., Bajtoš, P., Weber, L., Sárváryné-Szentkatolnay, B., Garzonio, C. A., Wolkersdorfer, Ch., Younger, P. L. & Bowell, R. (2004): Contemporary Reviews of Mine Water Studies in Europe, Part 1. – *Mine Water and the Environment*, **23** (4): 163–183, 16 fig., 3 tab.; Berlin.
- 27** Baumbach, H., Volkmann, H. K. M. & Wolkersdorfer, Ch. (2007): Heavy metal lawns on metallurgical deposits at the Vineyard near Hettstedt-Burgörner (Mansfeld) – result of centuries of contamination and challenge for conservation [Schwermetallrasen auf Hüttenstäuben am Weinberg bei Hettstedt-Burgörner (Mansfelder Land) – Ergebnis jahrhundertelanger Kontamination und Herausforderung für den Naturschutz]. – *Hercynia*, **40**: 87–109, 3 fig., 6 tab.; Leipzig.
- 28** Coldewey, W. G. & Wolkersdorfer, Ch. (2014): Professor Dr. Walter Semmler: A German Mine Water Pioneer. – *Mine Water Environ.* **33**(4): 372–375; 3 fig.; Heidelberg; doi:10.1007/s10230-014-0301-9.
- 29** Drobek, T., Altermann, W., Frei, M., Heckl, W. M., Kantioler, M., Müller, W., Stark, R. W., Strobel, J. & Wolkersdorfer, Ch. (2009): NanoPorO – Nano-Structure and Wetting Properties of Sedimentary Grains and Pore-Space Surface: Grain Mineralogy and Pore Morphology. – *Geotechnologien – Science Report* **16**: 65–75; 9 fig.; Potsdam.
- 30** Florence, K., Sapsford, D. J., Johnson, D. B., Kay, C. M. & Wolkersdorfer, Ch. (2016): Iron mineral accretion from acid mine drainage and its application in passive treatment. – *Environ. Technol.* **37**(11): 1428–1440; 7 fig., 2 tab.; doi:10.1080/09593330.2015.1118558.
- 31** Hancock, S. & Wolkersdorfer, Ch. (2012): Renewed Demands for Mine Water Management. – *Mine Water Environ.*, **31** (2): 147–158, 5 fig., 1 tab.; Heidelberg.
- 32** Hanneberg, A., Simon, P. & Wolkersdorfer, Ch. (2009): Galena and beautiful Wulfenites – The lead-zinc mining around the Fernpass in Tyrol [Galmei und schöne Wulfenite: Der Blei-Zink-Bergbau rund um den Fernpaß in Tirol]. – *Lapis*, **34** (4): 20–31, 32. fig.; München.
- 33** Hasche, A. & Wolkersdorfer, Ch. (2004): Mine Water Treatment with a Pilot Scale RAPS-System. – *Wiss. Mitt. Inst. Geol.*, **25**: 93–99, 8 fig., 1 tab.; Freiberg.
- 34** Hasche-Berger, A., Wolkersdorfer, Ch. & Simon, J. (2006): Laboratory Experiments as a basis for a RAPS-System [Laborexperimente als Grundlage für ein RAPS-System (Reducing and Alkalinity Producing System)]. – *Wiss. Mitt. Inst. Geol.*, **31**: 37–45, 14 fig., 3 tab.; Freiberg.

- 35  Hubert, E. & Wolkersdorfer, Ch. (2015): Establishing a conversion factor between electrical conductivity and total dissolved solids in South African mine waters. – *Water SA* **41**(4): 490–500; 6 fig., 8 tab.; Johannesburg; doi:10.4314/wsa.v41i4.08.
- 36  Huisamen, A. & Wolkersdorfer, Ch. (2016): Modelling the Hydrogeochemical Evolution of Mine Water in a Decommissioned Opencast Coal Mine. – *Int. J. Coal Geol.* **164**: 3–12; 10 fig., 2 tab.; doi:10.1016/j.coal.2016.05.006.
- 37  Kroll, A., Amezaga, J. M., Younger, P. L. & Wolkersdorfer, Ch. (2002): Regulation of Mine Waters in the European Union: Contribution of Scientific Research to Policy Development. – *Mine Water Environ.*, **21**(4): 193–200, 1 tab.; Berlin.
- 38 Merkel, B. J., Werner, F. & Wolkersdorfer, Ch. (2005): Carbon dioxide elimination by using acid mine lakes and calcium oxide suspensions (CDEAL). – *Geotechnologien – Science Report*, **6**: 4–12, 1 fig., 1 tab.; Potsdam.
- 39  Nariyan, E., Sillanpää, M. & Wolkersdorfer, Ch. (2017): Electrocoagulation treatment of mine water from the deepest working European metal mine – performance, isotherm and kinetic studies. – *Sep. Purif. Technol.* **177**: 363–373; 4 fig., 7 tab.; doi:10.1016/j.seppur.2016.12.042.
- 40  Nariyan, E., Wolkersdorfer, Ch. & Sillanpää, M. (2017): Uranium removal from Pyhäsalmi/Finland mine water by batch electrocoagulation and optimization with the response surface methodology. – *Sep. Purif. Technol.*, 13 fig., 15 tab.; doi:10.1016/j.seppur.2017.10.020.
- 41  Oleksienko, O., Meleshevych, S., Strelko, V., Wolkersdorfer, Ch., Tsyba, M. M., Kyliivnyk, Y. M., Levchuk, I., Sitarz, M. & Sillanpää, M. (2015): Pore structure and sorption characterization of titanosilicates obtained from concentrated precursors by the sol–gel method. – *RSC Advances* **5**(89): 72562–72571; 7 fig., 4 tab.; doi:10.1039/c5ra06985h.
- 42  Oleksienko, O., Wolkersdorfer, Ch. & Sillanpää, M. (2017): Titanosilicates in Cation Adsorption and Cation Exchange – A Review. – *Chem. Eng. J.* **317**: 570–585; 4 fig., 3 tab.; doi:10.1016/j.cej.2017.02.079.
- 43  Rapantová, N., Krzeszowski, S., Grmela, A. & Wolkersdorfer, Ch. (2012): Quantitative Assessment of Mine Water Sources based on the General Mixing Equation and Multivariate Statistics. – *Mine Water Environ.*, **31**(4): 252–265, 6 fig., 7 tab.; Heidelberg.
- 44 Schipek, M., Graupner, B., Merkel, B., Wolkersdorfer, Ch. & Werner, F. (2006): Neutralization potential of fly ash – Pit Lake Remediation Burghammer [Neutralisationspotential von Flugaschen – Restseesanie rung Burghammer]. – *Wiss. Mitt. Inst. Geol.*, **31**: 125–132, 6 fig., 3 tab.; Freiberg.
- 45  Soni, A. K. & Wolkersdorfer, Ch. (2016): Mine water: Policy perspective for improving water management in the mining environment with respect to developing economies. – *Int. J. Min. Reclam. Environ.* **30**(2): 115–127; Abingdon; doi:10.1080/17480930.2015.1011372.
- 46 Unger, Y. & Wolkersdorfer, Ch. (2006): Siderite formation in mining pit lakes – Possible remediation strategy of the pit lake Spreetal Northeast [Sideritbildung in Tagebaurestseen – Mögliche Sanierungsstrategie des Restlochs Spreetal Nordost]. – *Wiss. Mitt. Inst. Geol.*, **31**: 119–124, 2 fig., 1 tab.; Freiberg.

- 47** Walder, I. F., Nilssen, S., Räisänen, M. L., Heikkinen, P., Pulkkinen, K., Korkka-Niemi, K., Salonen, V.-P., Destouni, G., Hasche, A., Wolkersdorfer, Ch., Witkowski, A. J., Blachère, A., Morel, S., Lefort, D., Midžić, S., Silajdžić, I., Coulton, R. H., Williams, K. P., Rees, B., Hallberg, K. B. & Johnson, D. B. (2005): Contemporary Reviews of Mine Water Studies in Europe, Part 2. – *Mine Water Environ.*, **24** (1): 2–37, 10 fig., 13 tab.; Berlin.
- 48** Wolkersdorfer, Ch. (1991): Mining History of the Western Mieminger Mountains/Tyrol [Geschichte des Bergbaues im westlichen Mieminger Gebirge/Tirol]. – *Aufschluss*, **6**: 359–379, 18 fig.; Heidelberg.
- 49** Wolkersdorfer, Ch. (1991): Outcrop of a Toma Hill of the Fernpaß mountain slide/Tyrol [Aufschluß an einem Tomahügel des Fernpaßbergsturzes/Tirol]. – *Jb. Geol. B.-A.*, Heft **2**: 439–441, 2 fig.; Wien.
- 50** Wolkersdorfer, Ch. (1992): Remediation of the ‘Wismut’ uranium mines [Sanierung der Wismut-Uranbergwerke]. – *Wasser, Luft und Boden*, **6**: 28–29, 1 fig.
- 51** Wolkersdorfer, Ch. (1993): Uranium Mining of the former ‘SDAG Wismut’ – Clausthal activities in solving the Problems [Uranbergbau der ehemaligen SDAG Wismut, Clausthaler Aktivitäten bei Problemlösungen]. – *Mitteilungsblatt der TU Clausthal*, **75**: 59–61, 4 fig.; Clausthal.
- 52** Wolkersdorfer, Ch. (1993): Actual problems of military geology [Aktuelle Probleme der Wehrgeologie]. – *N. dt. geol. Ges.*, **50**: 146–149, 2 fig.; Hannover.
- 53** Wolkersdorfer, Ch. (1994): *Rubus chamaemorus* (Cloudberry) as a indicator plant at the Sæterfjell (Nordland/Norway) [*Rubus chamaemorus* (Multebeere) als Zeigerpflanze am Sæterfjell (Nordland/Norwegen)]. – *Aufschluss*, **45**: 82–86, 2 fig., 2 tab.; Heidelberg.
- 54** Wolkersdorfer, Ch. (1995): Flooding of the former uranium mine Niederschlema/Alberoda of the ‘SDAG Wismut’ [Die Flutung des ehemaligen Uranbergwerks Niederschlema/Alberoda der SDAG Wismut]. – *Z. geol. Wiss.*, **23** (5/6): 795–808, 4 fig., 6 tab.; Berlin.
- 55** Wolkersdorfer, Ch. (1996): Hydrogeochemical investigations of an abandoned uranium mine in the Erzgebirge/Germany. – *Appl. Geochem.*, **11**: 237–241, 4 fig., 2 tab.; Oxford.
- 56** Wolkersdorfer, Ch. (1996): Hydrogeochemical conditions in the mine water of a uranium mine – The Niederschlema/Alberoda deposit [Hydrogeochemische Verhältnisse im Flutungswasser eines Uranbergwerks – Die Lagerstätte Niederschlema/Alberoda]. – *Clausthaler Geowissenschaftliche Dissertationen*, **50**: 1–216, 131 fig., 61 tab.; Clausthal.
- 57** Wolkersdorfer, Ch. (2004): Mine Water Literature in ISI’s Science Citation Index Expanded™. – *Mine Water Environ.*, **23** (2): 96–99, 3 fig., 3 tab.; Berlin.
- 58** Wolkersdorfer, Ch. (2005): Mine water tracer tests as a basis for remediation strategies. – *Chem. Erde*, **65** (Supp 1): 65–74, 3 fig., 1 tab.; Amsterdam.
- 59** Wolkersdorfer, Ch. (2005): The new Mining Trail – Hiking on historical traces, you can experience the mining history of Biberwier [Der neue Montan-Wanderweg – Wandern auf geschichtlichen Spuren, erleben Sie die Bergbaugeschichte Biberwiers]. – *Außerferner Nachrichten*, **25.8.2005**, 3 fig.; Reutte.

- 60** Wolkersdorfer, Ch. (2011): Tracer Test in a Settling Pond – The Passive Mine Water Treatment Plant of the 1 B Mine Pool, Nova Scotia, Canada. – *Mine Water Environ.*, **30**(2): 105–112, 6 fig., 1 tab.; Berlin.
- 61** Wolkersdorfer, Ch. & Baierer, C. (2013): Improving Mine Water Quality by Low Density Sludge Storage in Flooded Underground Workings. – *Mine Water Environ.*, **32** (1): 3–18, 10 fig., 4 tab.; Heidelberg.
- 62** Wolkersdorfer, Ch. & Bantele, M. (2013): The Upper Bavarian Pitch Coal Syncline – Hydrogeochemical Investigations of the Mine Water [Die Oberbayerische Pechkohlenmulde – Hydrogeochemische Untersuchungen der Grubenwässer]. – *Grundwasser*: 5 fig., 3 tab.; Heidelberg.
- 63** Wolkersdorfer, Ch. & Bowell, R. (2004): Contemporary Reviews of Mine Water Studies in Europe. – *Mine Water Environ.*, **23** (4): 162; Berlin.
- 64** Wolkersdorfer, Ch., Blume, C. & Weber, C. (2003): Trace Elements in the Waters of Troy. – *Wiss. Mitt. Inst. Geol.*, **24**: 91–95, 4 fig.; Freiberg.
- 65** Wolkersdorfer, Ch., Feldtner, N. & Trebušak, I. (2002): Mine Water Tracing – A Tool for Assessing Flow Paths in Flooded Underground Mines. – *Mine Water Environ.*, **21** (1): 7–14, 3 fig., 3 tab.; Berlin.
- 66** Wolkersdorfer, Ch., Göbel, J. & Hasche-Berger, A. (2016): Assessing subsurface flow hydraulics of a coal mine water bioremediation system using a multi-tracer approach. – *Int. J. Coal Geol.* **164**: 58–68; 9 fig., 2 tab.; doi:10.1016/j.coal.2016.03.010.
- 67** Wolkersdorfer, Ch. & Hasche, A. (2001): Tracer Test in the abandoned Fluorspar Mine Straßberg/Harz Mountains, Germany. – *Wiss. Mitt. Inst. Geol.*, **16**: 57–67, 5 fig., 5 tab.; Freiberg.
- 68** Wolkersdorfer, Ch. & Hasche, A. (2004): Tracer Investigations in flooded mines – The Straßberg/Harz Multitracer Test: Conference Papers **35**. – p. 45–56, 5 fig., 5 tab.; Wien (Umweltbundesamt).
- 69** Wolkersdorfer, Ch., Hasche, A., Göbel, J. & Younger, P. L. (2005): Tracer Test in the Bowden Close Passive Treatment System (UK) – Preliminary Results. – *Wiss. Mitt. Inst. Geol.*, **28**: 87–92, 7 fig., 1 tab.; Freiberg.
- 70** Wolkersdorfer, Ch., Hasche, A., Unger, K. & Wackwitz, T. (2002): Tracer Techniques in mining – Georgi Unterbau mine near Brixlegg/Tyrol [Tracer Techniken im Bergbau – Georgi-Unterbau bei Brixlegg/Tirol]. – *Wiss. Mitt. Inst. Geol.*, **19**: 37–43, 4 fig., 1 tab.; Freiberg/Sachsen.
- 71** Wolkersdorfer, Ch. & LeBlanc, J. (2012): Regulations, Legislation, and Guidelines for Artificial Surface Water and Groundwater Tracer Tests in Canada. – *Water Qual. Res. J. Canada*, **47** (1): 42–55, 1 fig.; Gloucester.
- 72** Wolkersdorfer, Ch., Neumann, C. & Hasche-Berger, A. (2007): Tracer Tests in the flooded Himmelfarth Fundgrube Underground Mine (Freiberg/Saxony). – *Wiss. Mitt. Inst. Geol.*, **35**: 157–162, 3 fig., 1 tab.; Freiberg.
- 73** Wolkersdorfer, Ch. & Thiem, G. (1999): Ground Water Withdrawal and Land Subsidence in Northeastern Saxony (Germany). – *Mine Water Environ.*, **18** (1): 81–92, 3 fig., 4 tab.; Lakewood.
- 74** Wolkersdorfer, Ch. & Younger, P. L. (2002): Passive Mine water Treatment as an Alternative to Active Systems [Passive Grubenwassereinigung als Alternative zu aktiven Systemen]. – *Grundwasser*, **7** (2): 67–77, 7 fig., 2 tab.; Heidelberg.

- 75** Younger, P., Wolkersdorfer, Ch. & ERMITE Consortium (2004): Mining Impacts on the Fresh Water Environment: Technical and Managerial Guidelines for Catchment-Focused Remediation. – Mine Water Environ., **Suppl. Issue 1**: 2–80, 28 fig., 6 tab.; Berlin.

Book Chapters

- 76** Altermann, W., Drobek, T., Frei, M., Heckl, W. M., Stark, R. W., Strobel, J. & Wolkersdorfer, Ch. (2009): Nanomorphology of pore space and cement mineralogy in sandstones: Preliminary results and progress of the NanoPorO project. – Geotopschutz und seine rechtlichen Grundlagen **63**: 178; Hannover.
- 77** Altermann, W., Heckl, W. M., Stark, R. W. & Wolkersdorfer, Ch. (2009): Investigations of nanoproperties of pore-space in sedimentary rocks. – In: 3rd Internat. Conf. on Georesources in the Middle East and North Africa (GRMENA III), Cairo: 18–19.
- 78** Börner, R.-U., Brossmann, E., Franke, A., Jetschny, S., Merkel, B., Meyer, B., Pretzschner, C., Rauchfuss, H., Spitzer, K., Stanek, K., Vasterling, M., Wetzel, H. & Wolkersdorfer, Ch. (2006): scCO₂ – Feasibility study on the use of hot dry rock geothermal energy for electricity generation using supercritical CO₂ [scCO₂ – Machbarkeitsuntersuchung über den Einsatz von Hot Dry Rock Geothermie zur Elektrizitätserzeugung mit Hilfe von superkritischem CO₂]. – 105 p., 54 fig., 19 tab.; Freiberg.
- 79** Hasche-Berger, A. & Wolkersdorfer, Ch. (2005): Pilot Scale RAPS-System in Gernrode/Harz Mountains. – In: Merkel, B. J. & Hasche-Berger, A.: Uranium in the Environment. – p. 317–328, 8 fig., 1 tab.; Heidelberg (Springer).
- 80** Reik, G. & Wolkersdorfer, Ch. (1999): Flooding forecast of a uranium mine – Hydrogeochemical and hydrodynamic studies [Flutungsprognose eines Uranbergwerks – Hydrogeochemische und hydrodynamische Untersuchungen]. – In: Gesellschaft für Umweltgeowissenschaften: Ressourcen-Umwelt-Management – Wasser, Boden, Sedimente. – p. 55–71; Berlin u.a. (Springer).
- 81** Wolkersdorfer, Ch. (2002): Mine water tracing. – Geological Society Special Publication, **198**: 47–61, 5 fig., 6 tab.; London.
- 82** Wolkersdorfer, Ch. (2003): Ammonites and Ehrwaldit – Geological Conditions around Ehrwald; Rock from deep within the earth – the Ehrwaldit; Ehrwald miners dig for ore – with ore tub and sledge [Ammonshorn und Ehrwaldit – Geologische Verhältnisse um Ehrwald; Gestein aus den Tiefen der Erde – Der Ehrwaldit; Mit Erztrog und Grubenhunt – Ehrwalder Bergknappen schürfen nach Erzen]. – In: Haudek, O. & Richter, P.: Ehrwald – Das Zugspitzdorf. – p. 25–28; Ehrwald (Eigenverlag Gemeinde Ehrwald).
- 83** Wolkersdorfer, Ch. (2005): Geological conditions of the Montafon and neighbouring areas [Geologische Verhältnisse des Montafons und angrenzender Gebiete]. – In: Stand Montafon & Heimatschutzverein im Tale Montafon: Montafon: Mensch – Geschichte – Umwelt **1**. – p. 1–45, 41 fig., 1 tab.; Schruns (Stand Montafon).
- 84** Wolkersdorfer, Ch. (2006): Water, the Source of Life – Hydrogeological investigation in Troy [Wasser, Quell des Lebens – Hydrogeologische Untersuchungen in Troia]. – In: Korfmann, M. O.: Troia – Archäologie eines Siedlungshügels und seiner Landschaft. – p. 329–336, 7 fig.; Mainz (Zabern).

- 85** Wolkersdorfer, Ch. & Göbel, J. (2004): Hydrogeology of the Troyan Landscape – An inventory [Hydrogeologie der Troianischen Landschaft – Eine Bestandsaufnahme]. – *Studia Troica*, **14**: 157–167, 9 fig., 1 tab.; Mainz.
- 86** Wolkersdorfer, Ch., Göbel, J., Blume, C. & Weber, C. (2004): Hydrogeological Sampling Locations in the Troyan Landscape [Hydrogeologische Probenahmestellen in der Troianischen Landschaft]. – *Studia Troica*, **14**: 169–200, 19 fig., 2 tab.; Mainz.
- 87** Wolkersdorfer, Ch., Lopes, D. V. & Nariyan, E. (2015): Intelligent Mine Water Treatment – Recent International Developments. – In: Paul, M. (ed) *Sanierte Bergbaustandorte im Spannungsfeld zwischen Nachsorge und Nachnutzung – WISSYM 2015*. – p. 63–68; Chemnitz (Wismut GmbH); doi:10.13140/RG.2.1.2441.5849.

Conference Papers

peer reviewed

- 88** Abdel Wahed, M. S. M., Mohamed, E. A., Wolkersdorfer, Ch., El-Sayed, M. I., M'nif, A. & Sillanpää, M. (2014): Water Quality of Fayoum Surface Water, Fayoum Province, Egypt. – In: *Deltas in Times of Climate Change II*, Rotterdam, 24–26 Sept. 2014.
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