

# Mont Terri Project

Underground Rock Laboratory  
Laboratoire souterrain

## List of Mont Terri Publications

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(Remarks in red: publications by swisstopo)

Publication
<b>Abednego, M., Blascheck, P., Schefer, S., Nussbaum, C., Joswig, M., Bossart, P. and Mosar, J. (2017)</b> Seismotectonic analysis around the Mont Terri rock laboratory (Switzerland): a pilot study Mont Terri Special Issue of the Swiss Journal of Geosciences, DOI 10.1007/s00015-017-0263-6
<b>Adler, M., Mäder, U. and Waber, N. (1999)</b> High-pH alteration of argillaceous rocks: an experimental study Schweiz. Mineral. Petrogr. Mitt. 79, 445-454
<b>Alexander, W.R.; Kickmaier, W.; McKinley I.G. and Hugi, M. (2001)</b> In-situ radiochemical studies at Grimsel and Mont Terri. [ABSTRACT] Abstract submitted for APSORC 2001, Japan.
<b>Alheid, H.-J, Knecht, M., Boisson, J-Y., Hommand-Etienne, F. and Pepa, S. (1999)</b> Comparison of in-situ hydraulic and seismic measurements in the excavation damaged zone of underground drifts, Proceedings 9 <sup>th</sup> International Congress on Rock Mechanics, eds. G. Vouille and P. Berest, 1263-1266, Balkema, Paris.
<b>Alheid, H.-J, Kruschwitz, S., Schuster, K. and Yaramanci, U. (2002)</b> Charakterisierung der Auflockerungszone um Strecken im Opalinuston mit seismischen und geoelektrischen Verfahren Z. Angewandte Geologie (2/2002), 48-55
<b>Alheid, H.J. (2003)</b> Lessons learned in indurated clays. Impact of the Excavation Disturbed or Damaged Zone (EDZ) on the performance of radioactive waste geological repositories: Proceedings of a European Commission CLUSTER conference held in Luxemburg on 3-5 November 2003, 39-49.
<b>Alkan, H., Müller, W. (2008)</b> Approaches for modelling gas flow in clay formations as repository systems Physics and Chemistry of the Earth 33 (2008) S260–S268
<b>Alonso, E. and Hoffmann, Ch. (2007)</b> Modelling the field behaviour of a granular expansive barrier Physics and Chemistry of the Earth 32(2007) 850 – 865, Elsevier
<b>Alonso, E., Springman, S. and Ng, C. W. W. (2008)</b> Monitoring Large-Scale Test for Nuclear Waste Disposal Geotech Geol Eng (2008) 26:817–826 Springer
<b>Alonso, U., Missana, T., Garcia-Gutiérrez, M., Patelli, A., Siitari-Kauppi, M. and Rigato, V. (2009)</b> Diffusion coefficient measurements in consolidated clay by RBS micro-scale profiling Applied Clay Science 43 (2009) 477–484, Elsevier
<b>Altinier, M. V., Savoye, S., Michelot, J. – L., Beaucaire, C., Massault, M., Tessier, D. and Waber, H. N. (2007)</b> The isotopic composition of pore-water from Tournemire argillite (France): An inter-comparison study Physics and Chemistry of the Earth 32(2007) 209 – 218, Elsevier
<b>Amann, F., Button, E. A., Evans, K. F., Gischig, V. S. and Blümel, M. (2011)</b> Experimental Study of the Brittle Behavior of Clay shale in Rapid Unconfined Compression Rock Mech Rock Eng (2011) DOI 10.1007/s00603-011-0156-3 Springer
<b>Amann, F., Kaiser, P. and Button, E. A. (2011)</b> Experimental Study of the Brittle Behavior of Clay shale in Rapid Triaxial Compression Rock Mech Rock Eng (2011) DOI 10.1007/s00603-011-0195-9 Springer

Publication
<p><b>Amann, F., Wild, K.M., Loew, S., Yong, S., Thoney, R. and Frank, E. (2017)</b>            Geomechanical behaviour of Opalinus Clay at multiple scales: results from Mont Terri rock laboratory (Switzerland)            Mont Terri Special Issue of the Swiss Journal of Geosciences, DOI 10.1007/s00015-016-0245-0</p>
<p><b>Amann, F., Le Gonidec, Y., Senis, M., Gschwind, S., Wassermann, J., Nussbaum, C., Sarout, J. (2018)</b>            Analysis of acoustic emissions recorded during a mine-by experiment in an underground research laboratory in clay shales            International Journal of Rock Mechanics and Mining Sciences Vol 106 (2018) 51–59 /doi.org/10.1016/ Elsevier</p>
<p><b>Amayri, S., Buda, R. A., Fröhlich, D., Henrich, J., Klimach, T., Kratz, J. V., Reich, T., Trautmann, N. and Wunderlich, T. (2008)</b>            Sorption of Actinides (Th, U, Np, Pu, Am) on Opalinus Clay in synthetic Porewater            Institut für Kernchemie, Universität Mainz, D-55099 Mainz, Germany</p>
<p><b>Appelo, C. Anthony J. and Wersin, P. (2007)</b>            Multicomponent Diffusion Modeling in Clay Systems with Application to the Diffusion of Tritium, Iodide, and Sodium in Opalinus Clay            Technical Note TN 2007-14, Mont Terri</p>
<p><b>Appelo, C. Anthony J., Vinsot, A., Mettler, S. and Wechner, S. (2008)</b>            Obtaining the porewater composition of a clay rock by modeling the in- and out-diffusion of anions and cations from an in-situ experiment            Journal of Contaminant Hydrology 101 (2008) 67 – 76, Elsevier</p>
<p><b>Arcos, D., Bruno, J., Pena, J., Turrero, M. J. and Fernandez, A. M. (2002)</b>            1D Reactive Transport Model for the Opalinus Clay at Mont Terri Underground Laboratory            International Meeting, December 9 – 12, 2002, Reims, France</p>
<p><b>Arnedo, D., Olivella, S. and Alonso, E. E. (2012)</b>            Modeling the Excavation of the HG-A Microtunnel            Geotechnical Engineering and Geosciences, Technical University of Catalonia</p>
<p><b>Arnold, M. (2006)</b>            Discontinuity networks in mudstones: a geological approach            Bull Eng Environ (2006) 65: 413 - 422, Springer</p>
<p><b>Aubourg, C., J.P. Pozzi, L. Sahraoui, (2005)</b>            Printing direct and reverse chemical remanent magnetization in claystones at 95°C.</p>
<p><b>Bagnoud, A., Bruijn, I., Andersson, A.F., Diomidis, N., Leupin, O., Schwyn, B. and Bernier-Latmani, R. (2015)</b>            A minimalistic microbial food web in an excavated deep subsurface clay rock            FEMS Microbiology Ecology, 92, 2016, fiv138, doi: 10.1093/femsec</p>
<p><b>Bagnoud, A., Chourey, K., Hettich, R.L., de Bruijn, I., Andersson, A.F., Leupin, O.X., Schwyn, B. and Bernier-Latmani, R. (2016)</b>            Reconstructing a hydrogen-driven microbial metabolic network in Opalinus Clay rock            NATURE COMMUNICATIONS   7:12770   DOI: 10.1038/ncomms12770</p>
<p><b>Barpi, F., S. Valente, M. Cravero, G. Labichino, C. Fidelibus (2012)</b>            Fracture mechanics characterization of an anisotropic geomaterial            Authors thank the Swiss Nuclear Safety Inspectorate ENSI and Dr. Erik Frank for the financial support of the EZ-B experiment in Mont Terri</p>
<p><b>Bastiaens, W., Bernier, F. and Xiang Ling Li (2007)</b>            SELFRAC: Experiments and conclusions on fracturing, self-healing and self-sealing processes in clays            Physics and Chemistry of the Earth 32(2007) 600 – 615, Elsevier</p>
<p><b>Bath, A. and Gautschi, A. (2002)</b>            Evolution of porewater in the Opalinus Clay at Mont Terri, Switzerland [Abstract].            Clays in natural and engineered barriers for radioactive waste confinement: International meeting, Reims, December 9-12, 2002: Abstracts. Andra, Châtenay-Malabry, 265-266.</p>
<p><b>Bath, A.H., Pearson, F.J., Gautschi, A. and Waber, H.N. (2001)</b>            Water-rock interactions in mudrocks and similar low permeability material            Water-Rock Interaction: Proceedings of the tenth international symposium on water-rock interaction WRI-10, Villasimius, Italy 10-15 July 2001 / Ed. R.Cidu, Lisse [et al] 1, 3-12.</p>
<p><b>Bensenouci, F., Michelot, J.L., Matray, J.M., Savoye, S., Waber, H.N., Lavielle, B., Thomas, B. and Mesbah, K. (2010)</b>            Comparison of Natural Tracer Profiles in Porewater across the Tournemire Argillite            Clays in Natural Engineered Barriers for Radioactive Waste Confinement, 4th International Meeting, March 2010, Nantes, France</p>

Publication
<p><b>Bernhard, G., Foerstendorf, H., Richter, A. and Viehweger, K. (editorial staff) (2009)</b> Annual Report 2008 Annual Report 2008, Institute of Radiochemistry, Forschungszentrum Dresden Rossendorf</p>
<p><b>Billiaux, D., Dedecker, F. and Cundall, P. (2004)</b> A novel approach to studying rock damage: the three dimensional Adaptive Continuum / Discontinuum Code EUROCK 2004 53rd Geomechanics Colloquium</p>
<p><b>Bleyen, N., Smets, S., Small, J., Moors, H., Leys, N., Albrecht, A., De Cannière, P., Schwyn, B., Witterbroodt, C. and Valcke, E. (2017)</b> Impact of the electron donor on in situ microbial nitrate reduction in Opalinus Clay: results from the Mont Terri rock laboratory (Switzerland) Mont Terri Special Issue of the Swiss Journal of Geosciences, DOI 10.1007/s00015-016-0256-x</p>
<p><b>Bleyen, N., Albrecht, A., De Cannière, P., Witterbroodt, C. and Valcke, E. (2018)</b> Non-destructive on-line and long-term monitoring of in situ nitrate and nitrite reactivity in a clay environment at increasing turbidity Applied Geochemistry 100, 131–142, <a href="https://doi.org/10.1016/j.apgeochem.2018.11.004">https://doi.org/10.1016/j.apgeochem.2018.11.004</a></p>
<p><b>Blümling, P. and Konietzky, H. (2003)</b> Development of an excavation disturbed zone in claystone (Opalinus Clay). Geotechnical measurements and modelling: Proceedings of the international symposium, 23-25 September 2003, Karlsruhe, Germany; Nataf O., Fecker E., Pimentel E. (eds.); Lisse [et al.]: A.A.Balkema Publishers, 127-132.</p>
<p><b>Blümling, P., Bauer-Plaindoux, C., Mayor, J.C., Alheid, H.J. and Fukaya, M. (2002)</b> Geomechanical investigations at the underground rock laboratory Mont Terri. Hydromechanical and thermohydromechanical behaviour of deep argillaceous rock: Theory and experiments: Proceedings of the International Workshop on Geomechanics, Paris, 11-12 October 2000, 275-283.</p>
<p><b>Blümling, P., Bernier, F., Lebon, P. and Martin, D. (2007)</b> The excavation damaged zone in clay formations time-dependent behaviour and influence on performance assessment Physics and Chemistry of the Earth 32(2007) 588 – 599, Elsevier</p>
<p><b>Boidy, E., Bouvard, A. and Pellet, F. (2002)</b> Back analysis of time-dependent behaviour of a test gallery in claystone. Tunnelling and Underground Space Technology 17 (2002) 415 – 424, Elsevier.</p>
<p><b>Boisson, J.-Y. (2001)</b> Mesure des très faibles perméabilités dans les argilites : modélisation acquises dans les sites expérimentaux de Tournemire et du Mont Terri. Colloque “La mesure et sa représentativité en sciences de la terre” du 7 Novembre 2000, Sénat Paris, France. In Géologue, (revue officielle de l’Union Française des Géologues) UFG n° 129, Aout 2001, pp 54-61”.</p>
<p><b>Boisson, J.-Y., Bertrand, L., Heitz, J-F. and Moreau-Le Golan, Y. (2001)</b> In situ and laboratory investigations of fluid flow through an argillaceous formation at different scales of space and time, Tournemire tunnel, southern France Hydrogeology Journal (2001) 9:108-123</p>
<p><b>Bond, A., Bendow, S., Wilson, J., Millard, A., Nakama, S., English, M., McDermott, Ch. and Garitte, B. (2013)</b> Reactive and non-reactive transport modelling in partially water saturated argillaceous porous media around the ventilation experiment, Mont Terri Journal of Rock Mechanics and Geotechnical Engineering 5 (2013) 44 - 57</p>
<p><b>Bond, A., Millard, A., Nakama, S., Zhang, Ch., and Garitte, B. (2013)</b> Approaches for representing hydro-mechanical coupling between sub-surface excavations and argillaceous porous media at the ventilation experiment, Mont Terri Journal of Rock Mechanics and Geotechnical Engineering 5 (2013) 85 - 96</p>
<p><b>Bossart P. and Beer, Ch. (2006)</b> Wie dicht ist und bleibt Tonstein? Zehn Jahre modellierung und Forschung im Felslabor Mont Terri in Kanton Jura Forschung und Technik, Sonderdruck Neue Zürcher Zeitung vom 17. Mai 2006</p>
<p><b>Bossart, P. and Thury, M. (2007)</b> Research in the Mont Terri Rock laboratory: Quo vadis? Physics and Chemistry of the Earth 32 (2007)19 – 31. Elsevier.</p>
<p><b>Bossart, P. and Wermeille, S. (2003)</b> Paleohydrological Study on the Surroundings of the Mont Terri Rock Laboratory. <b>Report of the FOWG, Geology Series, N°4</b> (Switzerland), pp 45-64.</p>

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<p><b>Bossart, P. and Wermeille, S. (2003)</b> The Stress Field in the Mont Terri Region – Data Compilation. <i>Report of the FOWG, Geology Series, N°4</i> (Switzerland), pp 65-92.</p>
<p><b>Bossart, P. and Thury, M. (2008)</b> Mont Terri Rock Laboratory. Project, Programme 1996 to 2007 and Results. <i>Report of the Swiss Geol. Survey, N°3</i> (Switzerland).</p>
<p><b>Bossart, P., Meier, P., Möri, A., Trick, Th. And Mayor, J.-C. (2001)</b> Geological and hydraulic characterisation of the excavation disturbed zone in the Opalinus Clay of the Mont Terri Rock Laboratory. <i>Engineering Geology</i>, 66 (2002) 19-38). Elsevier.</p>
<p><b>Bossart, P., Trick, Th., Meier, P.M. and Mayor, J.-C. (2004)</b> Structural and hydrogeological characterisation of the excavation-disturbed zone in the Opalinus Clay (Mont Terri Project, Switzerland). <i>Applied Clay Science</i> 26, 429-448. Elsevier.</p>
<p><b>Bossart, P., Jaeggi, D. and Nussbaum, C. (2017)</b> Experiments on thermo-hydro-mechanical behaviour of Opalinus Clay at Mont Terri rock laboratory, Switzerland <i>Journal of Rock Mechanics and Geotechnical Engineering</i>, 9, 502-510</p>
<p><b>Bossart, P., Bernier, F., Birkholzer, J., Bruggeman, C., Connolly, P. Dewonck, S., Fukaya, M., Herfort, M., Jensen, M., Matray, J.M., Mayor, J.C., Moeri, A., Oyama, T., Schuster, K., Shigeta, N., Vietor, T. and Wieczorek, K. (2017)</b> Mont Terri rock laboratory, 20 years of research: introduction, site characteristics and overview of experiments Mont Terri Special Issue of the Swiss Journal of Geosciences, DOI 10.1007/s00015-016-0236-1</p>
<p><b>Bossart, P. (2017)</b> Twenty years of research at the Mont Terri rock laboratory: what we have learnt Mont Terri Special Issue of the Swiss Journal of Geosciences, DOI 10.1007/s00015-017-0267-2</p>
<p><b>Breen, B., Johnson, M., Frieg, B., Blechschmidt, I., Manukyan, E., Marelli, S. and Maurer, H.R. (2008)</b> Development of non-intrusive Monitoring Techniques - ESDRED TEM Projects at Mont Terri and the Grimsel Test Site International Conference Underground Disposal Unit Design Emplacement Processes for a Deep Geological Repository 16 - 18 June 2008, Prague</p>
<p><b>Buehler, Ch., Heitz, D., Trick, Th. And Frieg, B. (2003)</b> In-situ self-healing of the EDZ as a consequence of loading. Impact of the Excavation Disturbed or Damaged Zone (EDZ) on the performance of radioactive waste geological repositories: Proceedings of a European Commission CLUSTER conference held in Luxemburg on 3-5 November 2003, 231-236.</p>
<p><b>Buocz, I., Rozgonyi-Boissinot, N. and Török, A. (2014)</b> Shear Strength Behavior of Mont Terri Opalinus Claystone in Fault Zone <i>Pollack Periodica, An International Journal for Engineering and Information Sciences</i>, Vol 10, 31 - 38</p>
<p><b>Caër, T., Maillot, B., Souloumiac, P., Leturmy, P., Frizon de Lamotte, D., Nussbaum, Ch. (2015)</b> Mechanical validation of balanced cross-sections: the case of the Mont Terri anticline at the Jura front (NW Switzerland) DOI 10.1016/j.jsg.2015.03.009, published in <i>Journal of Structural Geology</i></p>
<p><b>Cai, M. and Kaiser P.K. (2005)</b> Assessment of excavation damaged zone using a micromechanics model <i>Tunnelling and Underground Space Technology</i> 20: 301 - 310</p>
<p><b>Cailteau, C., Pironon, J., de Donato, P., Vinsot, A., Fierz, T., Garnier, Ch. and Barres, O. (2011)</b> FT-IR metrology aspects for on-line monitoring of CO<sub>2</sub> and CH<sub>4</sub> in underground laboratory conditions <i>Anal. Methods</i>, 2011, 3, 877</p>
<p><b>Cappa, F., Gugliemi, Y., Nussbaum, C. and Birkholzer, J. (2018)</b> On the relationship between fault permeability increases, induced stress perturbation, and the growth of aseismic slip during fluid injection <i>Geophysical Research Letters</i>, 45. <a href="https://doi.org/10.1029/2018GL080233">https://doi.org/10.1029/2018GL080233</a></p>
<p><b>Cartalade, A., Montarnal, P., Cavanna, B. and Blum, J. (2003)</b> Modélisation inverse des expériences DI du Mont-Terri Présentation au GdR MOMAS du 14 novembre 2003</p>
<p><b>Cartalade, A., Montarnal, P., Filippi, M., Mugler, C., Lamoureux, M., Martinez, J.-M., Clément, F., Wileveau, Y., Coelho, D. and Tevissen, E. (2007)</b> Application of inverse modelling methods to thermal and diffusion experiments at Mont Terri Rock laboratory <i>Physics and Chemistry of the Earth</i> 32(2007) 491 – 506, Elsevier</p>

<b>Publication</b>
<p><b>Chermak, J. A. (2003)</b>  Low Temperature Experimental Investigation of the Effect of High pH NaOH Solutions on the Opalinus Shale, Switzerland  Clays and Clay Minerals, Vol. 40, No. 6, 650 - 658</p>
<p><b>Clauer, N., Techer, I., Nussbaum, C. and Laurich, B. (2017)</b>  Geochemical signature of paleofluids in microstructures from Main Fault in the Opalinus Clay of the Mont Terri rock laboratory, Switzerland  Mont Terri Special Issue of the Swiss Journal of Geosciences, DOI 10.1007/s00015-016-0253-0</p>
<p><b>Contreras J. and Suter, M.</b>  Kinematic Modeling of Cross-Sectional Deformation Sequences by Computer Simulation  Journal of Geophysical Research, Vol. 95, No B13, (Dec 2010), Pages 21, 913-21, 929</p>
<p><b>Corkum, A. G. and Martin, C. D. (2007)</b>  The mechanical behaviour of weak mudstone (Opalinus Clay) at low stresses  International Journal of Rock Mechanics &amp; Mining Sciences 44 (2007) 196 – 209, Elsevier</p>
<p><b>Corkum, A.G. and Martin, C.D. (2007)</b>  Modelling a mine-by test at the Mont Terri rock laboratory, Switzerland  International Journal of Rock Mechanics &amp; Mining Sciences 44 (2007) 846 – 859, Elsevier</p>
<p><b>Cormenzana, J.L., Garcia-Gutiérrez, M., Missana, T. and Alonso, U. (2008)</b>  Modelling large-scale laboratory HTO and strontium diffusion experiments in Mont Terri and Bure clay rocks  Physics and Chemistry of the Earth 33 (2008) 949–956</p>
<p><b>Cosenza, P., Ghorbani, A., Florsch, N. and Revil, A. (2007)</b>  Effects of Drying on the Low-Frequency Electrical Properties of Tournemire Argillites  Pure and Applied Geophysics 164, 2043 - 2066</p>
<p><b>Courdouan, A., Christl, I., Meylan, S., Wersin, P. and Kretzschmar, R. (2007)</b>  Characterization of dissolved organic matter in anoxic rock extracts and in situ pore water of the Opalinus Clay  Applied Geochemistry 22 (2007) 2926 - 2939</p>
<p><b>Courdouan, A., Christl, I., Rabung, T., Wersin, P. and Kretzschmar, R. (2008)</b>  Proton and Trivalent Metal Cation Binding by Dissolved Organic Matter in the Opalinus Clay and the Callovo-Oxfordian Formation  Environ. Sci. Technol. 2008, 42, 5985 - 5991</p>
<p><b>Croisé, J., Marschall, P., Matray, J.-M., Tanaka, T. and Vogel, P. (2005)</b>  Gas threshold pressure test performed at the Mont Terri Rock Laboratory: Experimental data and analysis.  Abstract.- 2<sup>nd</sup> International Meeting on Clays in natural and engineered barriers for radioactive waste confinement, Tours (France), 14-18<sup>th</sup> March 2005.</p>
<p><b>Croisé, J., Mayer, J., Marschall, P., Matray, J.M., Tanaka, T. and Vogel, P. (2007)</b>  Gas Threshold Pressure Test Performed at the Mont Terri Rock Laboratory (Switzerland): Experimental Data and Data Analysis  Oil &amp; Gas Science and Technology – Rev. IFP, Vol 61 (2006), No. 5, pp. 631 – 645</p>
<p><b>Croisé, J., Schlickenrieder, L., Marschall, P., Boisson, J.Y., Vogel, P. and Yamamoto, S. (2002)</b>  Synthesis of hydrogeological investigations at the Mont Terri rock laboratory [Abstract].  Clays in natural and engineered barriers for radioactive waste confinement: International meeting, Reims, December 9-12, 2002: Abstracts. Andra, Châtenay-Malabry, 157-158.</p>
<p><b>Croisé, J., Schlickenrieder, L., Marschall, P., Boisson, J.Y., Vogel, P. and Yamamoto, S. (2004)</b>  Hydrogeological investigations in a low permeability claystone formation: the Mont Terri Rock Laboratory.  Physics and Chemistry of the Earth Incorporating Parts A, B and C: Water geochemistry and hydrogeology: Clays in natural and engineered barriers for radioactive waste confinement: Papers from the ANDRA meeting, Reims, 2002 29 / 1, 3-15.</p>
<p><b>Dähn, R., Popov, D., Schaub, Ph., Pattison, P., Grolimund, D., Mäder, U., Jenni, A. and Wieland, E. (2014)</b>  X-ray micro-diffraction studies of heterogeneous interfaces between cementitious materials and geological formations  Physics and Chemistry of the Earth 70–71 (2014) 96–103</p>
<p><b>Dauzeres, A., Le Bescop, P., Sardini, P. and Cau Dit Coumes, C. (2010)</b>  Physico-chemical investigation of clayey/cement-based materials interaction in the context of geological waste disposal: Experimental approach and results  Cement and Concrete Research 40 (2010) 1327–1340</p>
<p><b>David, C. and Le Ravalec-Dupin, M. (2007)</b>  Rock physics and geomechanics in the study of reservoirs and repositories  Geological Society, London, Special Publications, 284, 1–14</p>

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<b>De Cannière, P., Schwarzbauer, J., Höhener, P., Lorenz, G., Salah, S., Leupin, O.X. and Wersin, P.</b> Biogeochemical processes in a clay formation <i>in situ</i> experiment: Part C – Organic contamination and leaching data Applied Geochemistry 26 (2011) 967 – 979
<b>Dedecker, F., Cundall, P., Billaux, D. and Groeger, T. (2007)</b> Evaluation of damage-induced permeability using a three-dimensional Adaptive Continuum/Discontinuum Code (AC/DC) Physics and Chemistry of the Earth 32 (2007) 681–690
<b>Degueldre, C., Rocchiccioli, F. and Laube, A. (1999)</b> Accelerated measurement of groundwater redox potentials: method and application Analytica Chimica Acta 396 (1999) 23 - 31
<b>Degueldre, C., Scholtis, A., Laube, A., Turrero, M.J. and Thomas, B. (2003)</b> Study of the pore water chemistry through an argillaceous formation: a paleohydrochemical approach. Applied Geochemistry 18/1, 55-73.
<b>Delay, J., Bossart, P., Xiang Ling Li, Blechschmidt, I., Ohlsson, M., Vinsot, A., Nussbaum, Ch. and Maes, N. (2014)</b> Three decades of underground research laboratories: what have we learned? Geological Society, London, Special Publications, first published March 5, 2014; doi 10.1144/SP400.1.
<b>Einstein, H. H. (2000)</b> Tunnels in Opalinus Clayshale A Review of Case Histories and New Developments Tunnelling and Underground Space Technology, Vol. 15, No. 1, pp. 13-29, 2000
<b>Elie M. &amp; Mazurek, M. (2008)</b> Biomarker transformations as constraints for the depositional environment and for maximum temperatures during burial of Opalinus Clay and Posidonia Shale in northern Switzerland Applied Geochemistry 23 (2008) 3337-3354
<b>Fatmi, H., Ababou, R. and Matray, J.M. (2007)</b> Statistical pre-processing and analyses of hydrometeorological time series in a geologic clay site (methodology and first results for Mont Terri's PP experiment) PREPRINT
<b>Fatmi, H., Ababou, R., Matray, J-M. and Nussbaum, Ch. (2011)</b> Statistical analyses of pressure signals, hydrogeologic characterization and evolution of Excavation Damaged Zone (claystone sites of Mont Terri and Tournemire) MAMERN11: 4th International Conference on Approximation Methods and Numerical Modelling in Environment and Natural Resources, 23 May 2011 - 26 May 2011 (Saidia, Morocco)
<b>Favero, V., Laloui, L. (2018)</b> Impact of CO2 injection on the hydro-mechanical behaviour of a clay-rich caprock International Journal of Greenhouse Gas Control 71 (2018) 133–141, Elsevier
<b>Fernández, A. M., Turrero, M. J., Sánchez-Ledesma, D. M., Yllera, A., Melon, A. M., Sanchez, M., Pena, J., Garralon, A., Rivas, P., Bossart, P. and Hernan, P. (2007)</b> On site measurements of the redox and carbonate system parameters in the low-permeability Opalinus Clay formation at the Mont Terri Rock Laboratory Physics and Chemistry of the Earth 32(2007) 181 – 195, Elsevier
<b>Fernández, A.M., Sánchez-Ledesma, D.M., Tournassat, C., Melón, A., Gaucher, E.C., Astudillo, J., Vinsot, A. (2013)</b> Applying the squeezing technique to highly consolidated clayrocks for pore water characterization: Lessons learned from experiments at the Mont Terri Rock Laboratory Applied Geochemistry 49 (2014) 2–21, Elsevier
<b>Fernández, A. M., Sanchez-Ledesma, D. M., Tournassat, C., Melon, A. M., Gaucher, E.C, E.C, Astudillo, J. and Vinsot, A. (2014)</b> <b>On site measurements of the redox and carbonate system parameters in the low-permeability Opalinus Clay formation at the Mont Terri Rock Laboratory</b> Physics and Chemistry of the Earth 32(2007) 181 – 195, Elsevier
<b>Fernandez-Garcia, D., Gomez-Hernandez, J. J. and Mayor, J.-C. (2007)</b> Estimating hydraulic conductivity of the Opalinus Clay at the regional scale: Combined effect of desaturation and EDZ Physics and Chemistry of the Earth 32(2007) 639 – 645, Elsevier
<b>Forney, F., Bigarré, P., Young, R.P. and Maxwell, S.C. (1999)</b> Caractérisation de l'endommagement lors du creusement de la galerie expérimentale au tunnel du Mont-Terri(Suisse) par techniques acoustiques et ultrasoniques Résumé des Communications Posters et des Conférences - Journées Scientifiques 1999

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