

1. ALQUIER M., KASSIM C., BERTON A., SABLAYROLLES C., RAFRARI Y., ALBRECHT A., ERABLE B., Halomonas desiderata as a bacterial model to predict the possible biological nitrate reduction in concrete cells of nuclear waste disposals, *Journal of Environmental Management*, 132, 32-41
2. ARMAND G., LEVEAU F., NUSSBAUM C., DE LA VAISSIERE R., NOIRET A., JAEGGI D., LANDREIN P., RIGHINI C., Geometry and properties of the excavation induced fractures at the Meuse/Haute-Marne URL Drifts, *Rock Mechanics and Rock Engineering*, on line
3. ARMAND G., NOIRET A., ZGHONDI J., SEYEDI D., Short and longterm behavior of drifts in the Callovo Oxfordianclaystone at the Meuse Haute-Marne Underground Research Laboratory, *Journal of Rock Mechanics and Geotechnical Engineering*, 5, 3, 221-23
4. BACH, TTH., CAU-DIT-COUMES, C., POCHARD, I., NONAT,A., Retention of alkali ions by hydrated low-ph cements : Mechanism and Na⁺/K⁺selectivity, *Cement and Concrete Research*, 51, 14-21
5. BARTH N., GEORGE D., AHZI S., REMOND Y., JOULAEED N., KHALEEL M.A., BOUYER F., Simulation of cooling and solidification of three-dimensional bulk borosilicate glass: effect of structural relaxations, *Mechanics of Time-Dependent Materials*, 18, 81-96
6. BENSENOUCI F., MICHELOT J-L., MATRAY J-M., SAVOYE S., MASSAULT M., VINSOT A., Coupled study of water stable isotopes and anions for characterizing aqueous transport through the Mesozoic sedimentary series in the eastern Paris basin, *Marine and Petroleum Geology*, on line
7. BLAISE T., BARBARAND J., KARS M., PLOQUIN F., AUBOURG C., BRIGAUD B., CATHELÉNAU M., EL ALBANI A., GAUTHERON C., IZART A., JANOTS D., MICHELS R., PAGEL M., POZZI J-P., BOIRON M-C., LANDREIN P., Reconstruction of lowial (100°C) in sedimentary basins: A comparison of geothermometer sensitivity in the intracontinental Paris Basin, *Marine and Petroleum Geology*, on line
8. BLANCO MARTIN L., TIJANI M., HADJ-HASSEN F., NOIRET A., Assessment of the bolt-grout interface behaviour of fully grouted rockbolts from laboratory experiments under axial loads, *International Journal of Rock Mechanics and Mining Sciences*, 63, 50-61
9. BRIGAUD B., VINCENT B., CARPENTIER C., ROBIN C., GUILLOCHEAU F., YVEN B., HURET E., Growth and demise of the Jurassic carbonate platform in the intracratonic Paris Basin (France): Interplay of climate change, eustasy and tectonics, *Marine and Petroleum Geology*, on line
10. BURGER E., REBISCOUL D., BRUGUIER F., JUBLOT M., LARTIGUE J.-E., GIN S., Impact of iron on nuclear glass alteration in geological repository conditions: a multiscale approach, *Applied Geochemistry*, 31, 159-170
11. CARIOU S., DORMIEUX L., SKOCZYLAS F., An original constitutive law for Cox argillite, a two-scale double porosity material, *Applied clay science*, 80-81, 18-30
12. CARPENTIER C., BRIGAUD B., BLAISE T., VINCENT B., DURLET C., BOULVAIS P., PAGEL M., HIBSCH C., YVEN B., LACH P., CATHELÉNAU M., BOIRON M.C., LANDREIN P., BUSCHAERT S., Impact of basin burial and exhumation on Jurassic carbonates diagenesis on both sides of a thick clay barrier (Paris Basin, NE France), *Marine and Petroleum Geology*, on line
13. COSENZA P., ROBINET J.C., PRÊT D., HURET E., FLEURY M., GÉRAUD Y., LEBON P., VILLIÉRAS F., ZAMORA M., Indirect estimation of the clay content of clay-rocks using acoustic measurements: new insights from the deep borehole of Montiers-sur-Saulx (Meuse, France), *Marine and Petroleum Geology*, 53, 117-132
14. DEBURE M., DE WINDT L., FRUGIER P., GIN S., HLW glass dissolution in the presence of magnesium carbonate: diffusion cell experiment and coupled modeling of diffusion and geochemical interactions, *Journal of Nuclear Materials*, 443, 507-521

15. DEBURE M., FRUGIER P., DE WINDT., GIN S., Dolomite effect on borosilicate glass alteration, *Applied Geochemistry*, 33, 237-251
16. EL HAJJ H., ABDELOUAS A., EL MENDILI Y., KARAKURT G., GRAMBOW B., MARTIN C., Corrosion mechanism of steel under sequential aerobic-anaerobic conditions, *Corrosion science*, 76, 432-440
17. EL KANAWATI W., PEROT B., CARASCO C., Monte Carlo simulation of high-level radioactive waste characterization with the Associated Particle Technique, *Nuclear Instruments and Methods in Physics Research section A*, 705- 61-73
18. EL MENDILI Y., ABDELOUAS A., BARDEAU J.F., Insight into the mechanism of carbon steel corrosion under aerobic and anaerobic conditions, *Physical chemistry chemical physics.*, 15, 9197-9204
19. FALAISE C., VOLKRINGER C., FACQUEUR J., BOUSQUET T., GASNOT L., LOISEAU T., Capture of iodine in highly stable metal-organic frameworks: a systematic study, *ChemComm*, 49, 10320-10322
20. FOURNO A., GRENIER C. , BENABDERRAHMANE, DELAY F., A continuum voxel approach to model flow in 3D fault networks: A new way to obtain up-scaled conductivity tensors of grid cells, *Journal of Hydrology*, 493, 68-80
21. GAILHANOU H., BLANC P., ROGEZ J., MIKAElian G., HORIUCHI K., YAMAMURA Y., SAITO K., KAWAJI H., WARMONT F., GRENECHE J-M., VIEILLARD P., FIALIPS C., GIFFAUT E., GAUCHER E., Thermodynamic properties of saponite, nontronite, and vermiculite derived from calorimetric measurements, *American Mineralogist*, 98, 1834-1847
22. GIMMI T., LEUPIN O., JEIKENBERG J., GLAUS M., VAN LOON L., NIKLAUS WABER H., WERSIN P., WANG H., GROLIMUND D., BORCA C., DEWONCK S., WITTEBROODT C., Anisotropic diffusion at the field scale - I: A four-year multi-tracer diffusion and retention experiment at the Mont Terri URL (Switzerland), *Geochimica et Cosmochimica Acta*, 125, 373-393
23. GRANGEON S., CLARET F., LEROUGE C., WARMONT F., SATO T., LINARD Y., LANSON B., On the nature of structural disorder in calcium silicate hydrates with a calcium/silicon ratio similar to tobermorite, *Cement and Concrete Research*, 52, 31-37
24. HENNER P., HURTEVENT P., THIRY Y., LEVCHUK, YOSCHENKO V., KASHPAROV V., Translocation of ^{125}I , ^{75}Se and ^{36}Cl to edible parts of radish, potato and green bean following wet foliar contamination under field conditions, *Journal of environmental radioactivity*, 124, 171-184
25. JACQUIER J., HAINOS D., ROBINET J.C., HERBETTE M., GRENUt B., LACOUR J.L., BOUCHET A., FERRY C., The influence of mineral variability of Callovo-Oxfordian claystones on radionuclides transfer properties, *Applied Clay Science*, 83-84, 129-136
26. LANDAIS P., DOHRMANN R., KAUFHOLD S., Overview of the clay mineralogy studies presented at the Clays in natural and engineered barriers for radioactive waste confinement meeting, Montpellier, October 2012, *Clays and clay minerals*, on line
27. LANDREIN P., VIGNERON G., DELAY J., LEBON P., PAGEL M., Lithostratigraphie, hydrodynamisme et thermicité dans le système sédimentaire multi-couches recoupé par les forages Andra de Montiers-sur-Saulx (Meuse), *Bulletin de la Société géologique de France*, 6, 519-543
28. LEQUY E., LEGOUT A., CONIL S., TURPAULT M-P., Aeolian dust deposition rates in Northern French forests and imputs to their biogeochemical cycles, *Atmospheric environment*, 80, 281-289
29. LEQUY E., NICOLAS M., CONIL S., TURPAULT M-P., Relationship between atmospheric dissolved deposition and mineral dust deposition in french forests, *Water air soil pollution*, on line

30. LEZIN C., ANDREU B., BOUCHEZ J-L., PELLENARD P., EMMANUEL L., FAURE P., LANDREIN P., Geochemical disturbance and paleoenvironmental changes during the Early Toarcian in NW Europe, *Chemical Geology*, 341, 1-15
31. MAINEULT A., THOMAS B., NUSSBAUM C., WIECZOREK K., GIBERT D., LAVIELLE B., KERGOSIEN B., NICOLLIN F., MAHIOUZ K., LESPARRE N., Anomalies of noble gases and self-potential associated with fractures and fluid dynamics in a horizontal borehole, Mont Terri Underground Rock Laboratory, *Engineering Geology*, 156, 46-57
32. MALLET C., FORTIN J., GUEGUEN Y., BOUYER F., Effective elastic properties of cracked solids: An experimental check, *international journal of fracture*, 182, 275-282
33. MARI J-I., YVEN B., The application of high-resolution 3D seismic data to model the distribution of mechanical and hydrogeological properties of a potential host rock for the deep storage of radioactive waste in France, *Journal of marine and petroleum geology*, on line
34. MICHELIN A., BURGER E., LEROY E., FOY E., NEFF D., BENZERARA K., DILLMANN P., GIN S., Effect of iron metal and siderite on the durability of simulated archeological glassy material, *Corrosion science*, 76, 403-414
35. MICHELIN A., BURGER E., REBISCOUL D., NEFF D., BRUGUIER F., DROUET E., DILLMANN P., GIN S., Silicate glasses alteration enhanced by iron: origin and long-term implications, *Environmental Science and Technology*, 47, 750-756
36. MOBBS S., SHAW G., NORRIS S., MARANG L., SUMERLING T., ALBRECHT A., XU S., THORNE M., LIMER L., SMITH K., SMITH G., Intercomparison of models of ^{14}C in the biosphere for solid radioactive waste disposal, *Radiocarbon*, 55, 2-3, 814-825
37. MONTAVON G., SABATIE-GOGOVA A., RIBET S., BAILLY C., BESSAGUET N., DURCE D., GIFFAUT E., LANDESMAN C., GRAMBOW B., Retention of iodide by the Callovo-Oxfordian formation: an experimental study, *Applied Clay Science*, 87, 142-149
38. MORLOK A., LIBOUREL G., Aqueous alteration in CR: Meteorite parent body processes as analogue for long-term corrosion processes relevant for nuclear waste, *Geochimica et Cosmética Acta*, 103, 76-103
39. NOIREL C., GOUZE P., MADE B., 3D analysis of geometry and flow changes in a limestone fracture during dissolution, *Journal of Hydrology*, 486, 211-223
40. PAYNE T.T., BRENDLER V., OCHS M., BAEYENS B., BROWN P.L., DAVIES J.A., EKBERG C., KULIK D.A., LUTZENKIRCHEN J., MISSANA T., TACHI Y., VAN LOON L.R., ALTMANN S., Guidelines for thermodynamic sorption modelling in the context of radioactive waste disposal, *Environmental Modelling & Software*, 42, 143-156
41. PELLENARD P., TRAMOY R., PUCEAT E., HURET E., MARTINEZ M., BRUNEAU L., THIERRY J., Carbon cycle and sea-water palaeotemperature evolution at the Middle-Late Jurassic transition, eastern Paris Basin (France), *Marine and Petroleum Geology*, on line
42. PIGNATELLI I., MUGNAIOLI E., HYBLER J., MOSSER-RUCK R., CATHELINEAU M., MICHAU N., A multi-technique characterization of cronstedtite synthesized by iron-clay interaction in a step-by-step cooling procedure, *Clays and clay minerals*, 61, 4, 277-289
43. RANAIVOMANANA H., VERDIER J., SELLIER A., BOURBON X., Sealing process induced by carbonation of localized cracks in cementitious materials, *Cement and Concrete composites*, 37, 37-46
44. RANAIVOMANANA H., VERDIER J., SELLIER A., BOURBON X., Prediction of relative permeabilities and water vapor diffusion reduction factor for cement-based materials, *Cement and Concrete composites*, 48, 53-63
45. REBEIX R., LE GAL LA SALLE C., LAVASTRE V., PHILIPPE J-B., FOURRE E., BENSENOUCI F., MATRAY JM., LANDREIN P., SHOUAKAR-STRASH O., FRAPE S.K., MICHELOT J-L., LANCELOT J., Chlorine

transport processes through a 2000 m aquifer/aquitard system, *Marine and Petroleum Geology*, on line

46. RIVARD C., PELLETIER M., MICHAU N., RAZAFITIANAMAHARAVO A., BIHANNIC I., ABDELMOULA M., GHANBAJA J., VILLIÉRAS F., Berthierine-like mineral formation and stability during the interaction of kaolinite with metallic iron at 90 °C under anoxic and oxic conditions, *American Mineralogist*, 98, 163-180
47. ROLLAND A., TOUSSAINT R., BAUD P., CONIL N., LANDREIN P., Morphological analysis of stylolites for paleostress estimation in limestones, *International Journal of Rock Mechanics and Mining Sciences*, 67, 212-225
48. SMITH G.M., SMITH K.L., KOWE R., PEREZ-SANCHEZ D., THORNE M., THIRY Y., READ D., MOLINERO J., Recent developments in assessment of long-term radionuclide behaviour in the geosphere-biosphere subsystem, *Journal of Environmental Radioactivity*, on line
49. TOLU J., DI TULLO P., LE HECHO I., THIRY Y., PANNIER F., POTIN-GAUTIER M., BUENO M., A new methodology involving stable isotope tracer to simultaneously compare short- and long-term selenium mobility in soils, *Analytical and Bioanalytical Chemistry*, on line
50. TRUCHE L., BERGER G., ALBRECHT A., DOMERGUE L., Engineered materials as potential geocatalysts in nuclear waste repositories: a case study of the stainless steel catalytic effect on nitrate reduction by hydrogen, *Applied Geochemistry*, 35, 279-288
51. TRUCHE L., JODIN-CAUMON M-C., LEROUGE C., BERGER G., MOSSER-RUCK R., GIFFAUT E., MICHAU N., Sulphide mineral reactions in clay-rich rock induced by high hydrogen pressure. Application to disturbed or natural settings up to 250 °C and 30 bar, *Chemical Geology*, 351, 217-228
52. VALTER M., PLÖTZ M., Characteristics of variability saturated granular bentonite after long-term storage at near-field relevant temperatures, *Clays and clay minerals*, on line
53. WAGNER N., BORE T., ROBINET JC., COELHO D., TAILLADE F., LESOILLE S., Dielectric relaxation behaviour of Callovo-Oxfordian clay-rock: A hydraulic-mechanical-electromagnetic coupling approach, *Journal of Geophysical Research*, 118, 9, 4729-4744
54. WAN M., DELAGE P., TANG A.M., TALANDIER J., Water retention properties of the Callovo-Oxfordian Claystone, *International journal of rock mechanics and mining sciences*, 64, 96-104
55. WANG L.L., BORNERT M., CHANCHOLE S., HÉRIPRÉ E., YANG D.S., TANGUY A., CALDEMAISON D., Micro-scale experimental investigation of the swelling anisotropic of the Callovo-Oxfordian argillaceous rocks, *Clays and clay minerals*, on line