

1. AGULLO J., BATAILLON C., ROY M., Electrochemical dissolution of magnetite electroplated coatings on titanium, *Electrochimica Acta*, 260, 890-897
2. AUROY M., POYET S., LE BESCOP P., TORRENTI J-M., CHARPENTIER T., MOSKURA M., BOURBON X., Comparison between natural and accelerated carbonation (3% CO<sub>2</sub>): impact on mineralogy, microstructure, water retention and cracking, *Cement and Concrete Research*, 109, 64-80
3. BARTH N., RÉMOND Y., BUMBIELER F., BUSCAIL F., SCHWARTZ A., AHZI S., GEORGE D., Effects of short-term mechanical loads on the cracking of glass tubes in a 500 m deep rock formation, *Journal of Geotechnical and Geoenvironmental Engineering*, 144, 3
4. BIRGLE N., MASSON R., TRENTY L., A domain decomposition method to couple non-isothermal compositional gas liquid Darcy and free gas flow and transport, *Journal of Computational Physics*, 368, 210-235
5. BLEYEN N., ALBRECHT A., CANNIÈRE P.D., WITTEBROODT C., VALCKE E., Non-destructive on-line and long-term monitoring of in situ nitrate and nitrite reactivity in a clay environment at increasing turbidity, *Applied Geochemistry*, on line
6. BRIGAUD B., VINCENT B., PAGEL M., GRAS A., NORET A., LANDREIN P., HURET E., Sedimentary architecture, depositional facies and diagenetic response to intracratonic deformation and climate change inferred from outcrops for a pivotal period (Jurassic/Cretaceous boundary, Paris Basin, France), *Sedimentary Geology*, 373, 48-76
7. CHARTIER A., VAN BRUTZEL L., PAGEOT J., Irradiation damages in nuclear graphite at the atomic scale, *Carbon*, 133, 224-231
8. CHARTIER D., SANCHEZ-CANET J., BESSETTE L., ESNOUF S., RENAULT J-P., Influence of formulation parameters of cement based materials towards gas production under gamma irradiation, *Journal of Nuclear Materials*, 511, 183-190
9. DAGNELIE R. V. H., RASAMIMANANA S., BLIN V., J. RADWAN, E. THORY, ROBINET J-C., LEFÈVRE G., Diffusion of organic anions in clay-rich media: Retardation and effect of anion exclusion, *Chemosphere*, 213, 472-480
10. DEBURE M., TOURNASSAT C., LEROUGE C., MADE B., ROBINET J-C., FERNANDEZ A.M., GRANGEON S., Retention of arsenic, chromium, and boron on an outcropping 1 clay-rich rock formation (the Tégulines Clay, eastern France), *Science of Total Environment*, 642, 216-229
11. DE ECHAVE T., TRIBET M., JOLLIVET P., MARQUES C., GIN S., JEGOU C., Effect of clayey groundwater on the dissolution rate of the simulated nuclear waste glass son68 at 70°C, *Journal of Nuclear Materials*, 503, 279-289
12. DE MOTTE R., MINGANT R., KITTEL J., ROPITAL F., COMBRADE P., NECIB S., DEYDIER V., CRUSSET D., Near Surface pH Measurements in Aqueous CO<sub>2</sub> Corrosion, *Electrochimica Acta*, 290, 605-615
13. DROUET E., POYET S., LE BESCOP P., TORRENTI J-M., BOURBON X., Carbonation of hardened cement pastes: influence of temperature, *Cement and Concrete Research*, on line
14. DUPUY C., GHARZOUI A., TEXIER-MANDOKI N., BOURBON X., ROSSIGNOL S., Thermal resistance of argillite based alkali-activated materials; Part 1: Effect of calcination processes and alkali cation, *Materials chemistry and Physics*, 217, 323-333
15. DUPUY C., GHARZOUI A., SOBRADOS I., TEXIER-MANDOKI N., BOURBON X., ROSSIGNOL S., Thermal resistance of argillite based alkali-activated materials. Part 2: identification of the formed crystalline phases, *Materials chemistry and Physics*, 218, 262-271
16. DURBAN N., RAFRAFI Y., RIZOULIS A., ALBRECHT A., ROBINET J-C., LLOYD J., BERTRON A., ERABLE B., Nitrate and nitrite reduction at high pH in a cementitious environment by a microbial microcosm, *International Biodeterioration & Biodegradation*, 134, 93-102
17. DZENE L., BRENDEL J., LIMOUSY L., DUTOURNIE P., MARTIN C., MICHAU N., Synthesis of iron-rich tri-octahedral clay minerals: A review, *Applied Clay Science*, 166, 276-287

18. ETIQUE M., ROMAINE A., BIHANNIC I., GLEY R., CARTERET C., ABDEMOULA M., RUBY C., JEANNIN M., RENE SABOT R, REFAIT P., JORAND F., Abiotically or microbially mediated transformations of magnetite by sulphide species: the unforeseen role of nitrate-reducing bacteria, *Corrosion Science*, on line
19. FAILLEAU G., BEAUMONT O., RAZOUK R., DELEPINE-LESOILLE S., LANDOLT M., COUTHIAL B., HÉNAULT J.M., MARTINOT F., BERTRAND J., HAY B., A metrological comparison of Raman-distributed temperature sensors, *Measurement*, 116, 18-24
20. GIOT R., AUVRAY C., CONIL N., DE LA VAISSIERE R., Multi-stage water permeability measurements on claystone by steady and transient flow methods, *Engineering Geology*, 247, 27-37
21. GORNY J., BILLON G., NOIRIEL C., DUMOULIN D., MADE B., Redox behaviour of arsenic in the surface sediments of the Marque River (Northern France), *Journal of Geochemical Exploration*, 188, 111-122
22. GUAYACAN-CARRILLO L-M., SULEM J., SEYEDI D., GHABEZLOO S., ARMAND G., Size effect on the time-dépendant closure of drifts in Callovo-Oxfordian claystone, *International Journal of Geomechanics*, on line
23. GUIGNOT S., LASSIN A., CHRISTOV C., LACH A., ANDRE L., HENOCQ P., Modelling the osmotic and activity coefficients of lanthanide nitrate aqueous solutions at 298.15 K from low molalities to (super) saturation, *Journal of Chemical & Engineering Data*, on line
24. HEID L., CALVARUSO C., ANDRIANANTAINA A., GRANIER A., CONIL S., RATHGEBER C.B.K., TURPAULT, MP., LOGNDOZ B., 2018. Seasonal time-course of the above ground biomass production efficiency in beech trees (*Fagus sylvatica* L.), *Annals of Forest Science*, 75, 1-14
25. HUCLIER-MARCAI S., MONTEAU F., FERNANDEZ A.M., VINSOT A., GRAMBOW B., Natural organic matter (NOM) contained in clay rock pore water: Direct quantification at the molecular level using ESI-MS, *Rapid Communications in mass spectrometry*, 32, 1331-1343
26. LACH A., ANDRE L., GUIGNOT S., CHRISTOV C., HENOCQ P., LASSIN A., A Pitzer parameterization to predict solution properties and salt solubility in the H-Na-K-Ca-Mg-NO<sub>3</sub>-H<sub>2</sub>O system at 298.15 K, *Journal of Chemical & Engineering Data*, 63,3, 787-800
27. LEROUGE C., ROBINET J.C. , DEBURE M., TOURNASSAT C., BOUCHET A., FERNANDEZ A.M., FLEHOC C., GUERROT C., KARS M., LAGROIX F., LANDREIN P., MADE B., NEGREL P., WILLE G., CLARET F., A deep alteration and oxidation profile in a shallow clay aquitard : Example of the Tegulines clay, east Paris basin, France, *Geofluids*, on line
28. LIU Z., SHAO J., XIE S., CONIL N., Effects of relative humidity and mineral compositions on creep deformation and failure of a claystone under compression, *International journal of rock mechanics and mining sciences*, 103, 68-76
29. MA B., FERNANDEZ-MARTINEZ A., MADE B., FINDLING N., MARKELOVA E., SALAS-COLERA E., MAFFEIS T., LEWIS A., TISSERAND D., BUREAU S., CHARLET L., XANES-based determination of redox potentials imposed by steel corrosion products in cement-based media, *Environmental Science & Technology*, 52, 11931-11940
30. MARKELOVA E., COUTURE R-M., PARSONS C., MARKELOV I., MADE B., VAN CAPPELLEN P., CHARLET L., Speciation dynamics of oxyanion contaminants (As, Sb, Cr) in argillaceous suspensions during oxic-anoxic cycles, *Applied Geochemistry*, 91, 75-88
31. MARKELOVA E., PARSONS C.T., COUTURE R-M., SMEATON C., MADÉ B., CHARLET L., VAN CAPPELLEN P. Deconstructing the redox cascade: what role do microbial exudates (flavins) play ? *Environmental Chemistry*, 14, 515-524
32. MARTY N., LACH A., LEROUGE C., GRANGEON S., CLARET F., FAUCHET C., MADÉ B., LUNDY M., LAGROIX F., TOURNASSAT C., TREMOSA J., Weathering of an argillaceous rock in the presence of atmospheric conditions: a flow-through experiment and modeling study, *Applied Geochemistry*, 96, 252-263
33. ORUCOGLU E., TOURNASSAT C., ROBINET J-C., MADE B., LUNDY M., From experimental variability to the sorption related retention parameters necessary for performance assessment models for nuclear waste disposal systems: The example of Pb adsorption on clay minerals, *Applied Clay Science*, 163, 20-32
34. PAGEL M., BONIFACIE M., SCHNEIDER D., GAUTHERON C., BRIGAUD B., CALMES D., CROS A., SAINT-BEZAR B., LANDREIN P., SUTCLIFFE C., DAVIS D., CHADUTEAU C., Improving paleohydrological and diagenetic reconstructions in calcite veins and breccia of a

35. PAGEOT J., ROUZAUD J.-N., GOSMAIN L., DUHART-BARONE A., COMTE J., DELDICQUE D.,  $^{14}\text{C}$  selective extraction from French graphite nuclear waste by CO<sub>2</sub> gasification, Progress in nuclear energy, 105, 279-286
36. ROOSZ C., VIEILLARD P., BLANC P., GABOREAU S., GAILHANOU H., BRAITHWAITE D., MONTOULOU V., DENOYEL R., HENOCQ P., MADE B., Thermodynamic properties of C-S-H, C-A-S-H and M-S-H phases: results from direct measurements and predictive modelling, Applied Geochemistry, 92, 140-156
37. ROULIER M., BUENO M., THIRY Y., COPPIN F., REDON P-O., LE HÉCHO I., PANNIER F., Iodine distribution and cycling in a beech (*Fagus sylvatica*) temperate forest, Science of Total Environment, 645, 431-440
38. SAVOYE S., MACE N., LEFEVRE S., SPIR G., ROBINET J.C., Mobility of chloride through cement-based materials under partially saturated conditions, Applied Geochemistry, 96, 78-86
39. SCHLEGEL M.L, NECIB S., DAUMAS S., LABAT M., BLANC C., FOY E., LINARD Y., Corrosion at the carbon steel-clay borehole water interface under anoxic alkaline and fluctuating temperature conditions, Corrosion Science, on line
40. SONG Y, DAVY C.A., TROADEC D., BOURBON X., Pore network of cement hydrates in a High Performance Concrete by 3D FIB/SEM - Implications for macroscopic fluid transport, Cement and Concrete Research, 115, 308-326
41. THIRY Y., ALBRECHT A., TANAKA T., Development and assessment of a simple ecological model (TRIPS) for forests contaminated by radiocaesium fallout, Journal of Environmental Radioactivity, 190-191, 149-159
42. TURPAULT M-P., CALVARUSO C., KIRCHEN G., REDON P-O, COCHET C., Contribution of fine tree roots to the silicon cycle in a temperate forest ecosystem developed on three soil types, Biogeosciences, 15, 2231-2249
43. ZHANG F., CUI Y., ZENG L., ROBINET J-C., TALANDIER J., Effect of degree of saturation on the unconfined compressive strength of natural stiff clays with consideration of air entry value, Engineering Geology, 237, 140-148