



Articles publiés dans des revues de rang A en 2004

AMAZIANE B., ONDAMI B., (2004), Homogenization of a three-phase flow model in porous media, *Applicable analysis*, 83, 7, 649-660,

AUBLIVE N., DJERAN-MAIGRE I., CABRILLAC R., SU K., (2004), Poroplastic damage model for claystones, *Applied clay science*, 26, 473-487,

BEMER E., LONGUEMARE P., VINCKE O., (2004), Poroelastic parameters of Mause/Haute Marne argillites : effect of loading and saturation states, *Applied clay science*, 26, 359-366,

BUSCHAERT S., FOURCADE S., CATHELINEAU M., MARTINEAU F., AYT OUGOUGDAL M., TROUILLER A., NITJCHOUA R., (2004), Widespread cementation induced by inflow of continental water in the eastern part of the Paris basin : O and C isotopic study of carbonate cements, *Applied Geochemistry*, 19, 1201-1215,

CATHELINEAU M., FOURCADE S., CLAUER N., BUSCHAERT S., BOIRON M.C., MARTINEAU F., MEUNIER A., LAVASTRE V., JAVOY M., NITJCHOUA R., (2004), Dating multistage paleofluid percolations : a K-Ar and ¹⁸⁰ study of fracture illite from altered hercynian plutonites at the basement/cover interface (Poitou High, France)), *Geochimica et Cosmochimica Acta*, 68, 11, 2529-2542,

CLARET F., SAKHAROV B., DRITS V.A., VELDE B., MEUNIER A., GRIFFAULT L., LANSON B., (2004), Clays minerals in the Meuse/Haute-Marne underground laboratory (France) : possible influence of organic matter on clay mineral evolution, *Clays and clay minerals*, 52, 5, 512-532,

CONIL F., GIBERT D., NICOLLIN F., (2004), Non-linear synthesis of input signals in ultrasonic experimental setups, *Journal of Acoustical Society of America*, 115(1), 246-252,

COSENZA P., TABBAGH A., (2004), Electromagnetic determination of clay water content : role of the microporosity, *Applied clay science*, 26, 21-36,

DANIS P.A., VON GRAFENSTEIN U., MASSON-DELMOTTE V., PLANTON S., GERDEAUX D., MOISSELIN J.M., (2004), Vulnerability of two european lakes in response to future climatic changes, *Geophysical research letters*, 31, L21507-601,

DESCHAMPS P., HILLAIRE-MARCEL C., MICHELOT J.L., DOUCELANCE R., GHALEB B., BUSCHAERT S., (2004), 234U/238U Disequilibrium along stylotic discontinuities in

deep mesozoic limestone formations of the eastern paris basin : evidence for discrete uranium mobility over the last 1-8 million years, *Hydrology and Earth System Sciences (HESS)*, 8(1), 35-46,

DESCOTES M., TEVISSSEN E., (2004), Définition of an equilibration protocol for batch experiments on Callovo-Oxfordien argillite, *Physics and chemistry of the earth*, 29, 1, 79-90,

DEVIVIER K., DEVOL-BROWN I., SAVOYE S., (2004), Study of iodide sorption to the argillite of Tournemire in alkaline media, *Applied clay science*, 26, 171-179,

DRAZER g., KOPLIK J., AURADOU H., HULIN J.P., (2004), Fractal fronts in fractal fractures : large and small-scale structure, *Physical Review Letter*, 92(1), 014501, 1-4,

ELIE M., FAURE P., MICHELS R., LANDAIS P., GRIFFAULT L., MANSUY L., MARTINEZ L., (2004), Effects of water-cement solutions on the composition of organic compound leached from oxidized Callovo-Oxfordian argillaceous sediment, *Applied clay science*, 26, 309-323,

FAURE P., ELIE M., MANSUY L., MICHELS R., LANDAIS P., BABUT M., (2004), Molecular studies of insoluble organic matter in river sediments from Alsace-Lorraine (France), *Organic geochemistry*, 35, 109-122,

FOUCHE O., WRIGHT H., LE CLEAC'H J.M., PELLENNARD P., (2004), Fabric control on strain and rupture of heterogeneous shale by using a non-conventional mechanical test, *Applied clay science*, 26, 367-387,

GARGANI J., (2004), Contribution à l'étude de la vitesse critique d'érosion des sols cohésifs, *Comptes-rendus Geoscience*, 336, 561-566,

GARGANI J., (2004), Eutatisme, érosion et isostasie flexurale : modélisation numérique appliquée au Rhône messinien, *Comptes-rendus Geoscience*, 336, 901-907,

GARGANI J., (2004), Modelling of the erosion in the Rhone valley during the messinian crisis (France), *Comptes-rendus Geoscience*, 121, 13-22,

GASC-BARBIER M., CHANCHOLE S., BEREST P., (2004), Creep behavior of Bure clayey rock, *Applied clay science*, 26, 449-458,

GAUCHER E., BLANC P., MATRAY J.M., MICHAU N., (2004), Modeling diffusion of an alkaline plume in a clay barrier, *Applied Geochemistry*, 19, 1505-1515,

GAUCHER E.C., BLANC P., MATRAY J.M., MICHAU N., (2004), Modeling diffusion of an alkaline plume in a clay barrier, *Applied Geochemistry*, 19, 1505-1515,

GAUCHER E., ROBELIN C., MATRAY J.M., NEGREL G., GROS Y., HEITZ J.F., VINSOT A., REBOURS H., CASSAGNABERE A., BOUCHET A., (2004), Andra underground research laboratory : interpretation of the mineralogical & geochemical data acquired in the

Callovian - Oxfordien formation by investigation drilling, Physics and chemistry of the earth, 29, 1, 55-77,

GAUTHIER S., GIBERT D., (2004), Scattering from a self-affine fractal surface : Experimental assessment of near-nadir models, Icarus, 167, 453-463,

GONCALVES J., VIOLETTE S., ROBIN C., BRUEL D., GUILLOCHEAU F., LEDOUX E., (2004), Combining a compaction model with a facies model to reproduce permeability fields at the regional scale, Physics and chemistry of the earth, 29, 1,

GRATIER J.P., JENATTON L., TISSERAND D., GUIGUET R., (2004), Indenter studies of the swelling, creep and pressure solution of pure argillite, Applied clay science, 26, 459-472,

GUILLAUME D., NEAMAN A., CATHELIN M., MOSSER-RUCK R., PEIFFERT C., ABDELMOULA M., DUBESSY J., VILLIERAS F., MICHAU N., (2004), Experimental study of the transformation of smectite at 80 and 300°C in the presence of iron oxides, Clay Minerals, 39, 1, 17-34 (18),

HOXHA D., GIRAUD A., BLAISONNEAU A., HOMAND F., CHAVANT C., (2004), Poroplastic modelling of the excavation and ventilation of a deep cavity, International Journal for Numerical and Analytical Methods in Geomechanics, 28, 339-364,

JAILLET S., PONS-BRANCHU E., BRULHET J., HAMELIN B., (2004), Karstification as a geomorphological witness of river incision : example of the Marne valley and Cousance karst system (eastern Paris basin / France), TERRA NOVA, 16, 4, 167-172,

LEROY P., REVIL A., (2004), A triple-layer model of the surface electrochemical properties of clay minerals, Journal of colloid and interface science, 270, 2, 371-380,

MELKIOR T., MOURZAGH D., YAHIAOUI S., THOBY D., ALBERTO J.C., BROUARD C., MICHAU N., (2004), Diffusion of an alkaline fluid through clayey barriers and its effect on the diffusion properties of some chemical species, Applied clay science, 26, 99-107,

MOSSER-RUCK R., CATHELIN M., (2004), Experimental transformation of Na, Ca smectite under basic conditions : at 150°C, Applied clay science, 26, 259-273,

REVIL A., LEROY P., (2004), Constitutive equations for ionic transport in porous shales, Journal of geophysical research. Part B : Solid earth, 109, B3,

SHAO J.F., ZHU Q.Z., SU K., (2004), Description of creep in rock materials in terms of materials degradation, Computers and geotechnics, 30, 549-555,

VINCENT B., EMMANUEL L., LOREAU J.P., (2004), Signification du signal isotopique ($\delta^{18}O$, $\delta^{13}C$) des carbonates néritiques : composante diagénétique et composante originelle (Jurassique supérieur de l'Est du bassin de Paris, France), Comptes-rendus Geoscience, 336, 1, 29-39,

WALCARIUS A., DEVOY J., BESSIERE J., (2004), Interactions of Selenate species with Copper (I) oxide particles, *Langmuir*, 20, 6335-6343,

ZHANG C., ROTHFUCHS T., (2004), Experimental study of the hydro-mechanical behaviour of the Callovo-Oxfordien argilite, *Applied clay science*, 26, 325-336,

ZUBTSOV S., RENARD F., GRATIER J.P., GUILLET R., DYSTHE D.K., TRASKINE V., (2004), Experimental pressure solution compaction of synthetic halite/calcite aggregates, *Tectonophysics*, 385, 45-57