

Travaux, articles : 92 ACL, 2495 citations, H index=28

Journaux internationaux à comité de lecture :

- P1 **M. ABDELMOULA**, T. CEVA, B. CROSET, N. DUPONT-PAVLOVSKY
"Krypton adsorption on (0001) graphite pre-plated with carbon tetrachloride".
Surface Science, Vol. 272 (1992) 167-171
- P2 **M. ABDELMOULA**, T. CEVA, B. CROSET, N. DUPONT-PAVLOVSKY
"Thermodynamic and structural properties of CCl₄ adsorbed on (0001) graphite".
Surface Science, Vol. 274 (1992) 129-140
- P3 N. DUPONT-PAVLOVSKY, **M. ABDELMOULA**, S. RAKOTOSAFY, J. P. COULOMB, B. CROSET,
 E. RESSOUCHE
"Adsorption on pre-plated graphite: displacement transition for the krypton-cyclohexane and methane carbon tetrachloride films".
Surface Science, Vol. 317 (1994) 388-396
- P4 S. H. DRISSI, Ph. REFAIT, **M. ABDELMOULA**, J. M. R. GENIN
"Preparation and thermodynamic properties of Fe(II)-Fe(III) hydroxide-carbonate (green rust one) Pourbaix diagram of iron in carbonate- containing aqueous media".
Corrosion Science, Vol. 37 n°12 (1995) 2025-2041
- P5 **M. ABDELMOULA**, Ph. REFAIT, S. H. DRISSI, J. P. MIHE, J. M. R. GENIN
"Conversion electron Mössbauer spectroscopy and X-ray diffraction studies of the formation of carbonate-containing green rust one by corrosion of metallic iron in NaHCO₃ solutions".
Corrosion Science, Vol. 38 n°4 (1996) 623-633
- P6 P. ARANDA, T. CEVA, B. CROSET, N. DUPONT-PAVLOVSKY, **M. ABDELMOULA**
"X-ray scattering study of the melting transition of a CCl₄ monolayer on graphite".
Journal de Physique I Vol. 6 n°7 (1996) 891-906
- P7 F. TROLARD, **M. ABDELMOULA**, G. BOURRIÉ, B. HUMBERT, J.M. GENIN
"Mise en évidence de la présence de rouilles vertes dans les sols hydromorphes".
Compte rendu de l'Académie des Sciences, N° 323 série II A (1996) 1015-1022
- P8 F. TROLARD, J.M.. GENIN, **M. ABDELMOULA**, G. BOURRIÉ, B. HUMBERT, A. HERBILLON
"Identification of a Green Rust Mineral in Reductomorphic Soil by Mössbauer and Raman Spectroscopy".
Geochimica Acta et Cosmochimica Acta, Vol. 61, N°5 (1997) 1107-1111
- P9 **M. ABDELMOULA**, F. TROLARD, G. BOURRIÉ, J.M. GENIN
"Evidence for the Fe(II)-Fe(III) green rust Fougerite mineral occurrence in a hydromorphic soil and its transformation with depth".
Hyperfine Interactions, Vol. 112, (1998) 235-238
- P10 J. M. GENIN, Ph. REFAIT, A. A. OLOWE, **M. ABDELMOULA**, I. FALL, S. H. DRISSI
"Identification of green rust compounds in the aqueous corrosion processes of steels; The case of microbially induced and corrosion and use of 78 K CEMS".
Hyperfine Interactions, Vol. 112 (1998) 47-48
- P11 J. M. GENIN, C. BOURRIÉ, F. TROLARD, **M. ABDELMOULA**, A. JAFFREZIC, Ph. REFAIT,
 V. MAITRE, B. HUMBERT, A.HERBILLON
"Thermodynamic equilibria in aqueous solutions of synthetic and natural Fe(II)-Fe(III) Green Rusts: Occurrences of the mineral in hydromorphic soils".
Environmental Science & Technology Vol. 32, N° 8 (1998) 1058-1068

- P12 Ph. REFAIT, **M. ABDELMOULA**, J. M. GENIN
"The oxidation of Pyroaurite-like Ni-Fe hydroxylchlorides studied by Mössbauer spectroscopy at 16 K".
Clay minerals Vol. 33, (1998) 665-669
- P13 J..M. GENIN, **M. ABDELMOULA**, Ph. REFAIT and L. SIMON
"Comparison of the green rust two lamellar double hydroxide class with the green rust one pyroaurite class : Fe(II)-Fe(III) sulphate and seleniate hydroxides".
Hyperfine Interactions Vol.3 (1998) 313-316
- P14 Ph. REFAIT, **M. ABDELMOULA**, J. M. GENIN
"The mechanisms of formation of Green Rust in aqueous corrosion of iron in the presence of chloride ions".
Corrosion Science, Vol. 40 n°9 (1998) 1547-1560
- P15 G. BOURRIÉ, F. TROLARD, A. JAFFREZIC, J.M. GENIN, V. MAITRE, **M. ABDELMOULA**
"Iron control by equilibria between hydroxy-Green Rusts and solutions in hydromorphic soils".
Geochimica Acta and Cosmochimica Acta Vol. 63, N° 19/20, 3417-3427 (1999)
- P16 S. GOMES, M. FRANÇOIS, **M. ABDELMOULA**, Ph. REFAIT, C. PELLISSIER, O. EVRARD
"Characterisation of magnetite in silico-aluminous fly ash by SEM, TEM, XRD, Magnetic Susceptibility and Mössbauer Spectroscopy".
Cement Concrete Research Vol. 29 (1999) 1705-1711
- P17 F. JORAND, B. APPENZELLER, **M. ABDELMOULA**, Ph. REFAIT, J. C. BLOCK, J. M. GENIN
Assessment of vivianite formation in Shewanella putrefaciens culture.
Environmental technology, Vol. 21, (2000) 1001-1005
- P18 O. BENALI, **M. ABDELMOULA**, P. REFAIT, A. KRIBII, D. MULOT, J. M. R. GENIN
Etude par spectrométrie Mössbauer de l'interaction Rouille Verte carbonatée-phosphate en milieu anoxique.
Journal Maghrébin de Physique, 1, (2000) p. 83-87
- P19 J. M. GENIN, Ph. REFAIT, G. BOURRIÉ, **M. ABDELMOULA**, F. TROLARD
Structure and stability of iron (II) – iron (III) layered – double – hydroxysalt Green Rusts; the mineral and its potentiality for reducing pollutants in soil solutions.
Applied Geochemistry Vol. 16, (2001) 559-570
- P20 L. LEGRAND, **M. ABDELMOULA**, A. CHAUSSÉ, J. M. R. GENIN
Electrochemical formation of a Fe(II)-Fe(III) green rust : characterization and morphology
Electrochimica Acta , Vol. 46, (2001) 1815-1822
- P21 Ph. REFAIT, **M. ABDELMOULA**, F. TROLARD, G. BOURRIE, J. M. R. GENIN, J. J. EHRHARDT
Mössbauer and EXAFS study of the green rust mineral; the partial substitution of Fe(II) by Mg(II)
American Mineralogist 86, p. 714-730, 2001
- P22 O. BENALI, **M. ABDELMOULA**, P. REFAIT, J. M. R. GENIN
Effect of orthophosphate on the oxidation products of Fe(II)-Fe(III) hydroxycarbonate; the transformation of green rust to ferrihydrite.
Geochimica Acta et Cosmochimica Acta , Vol. 65, 2001 1715-1726
- P23 S. BOURSQUOT, M. MULLET, **M. ABDELMOULA**, J. M. R. GENIN, J. J. EHRHARDT
The dry oxidation of tetragonal FeS mackinawite
Physics and Chemistry of Minerals , Vol. 28, 2001 p. 600-611
- P24 S. METTLER, **M. ABDELMOULA**, E. HOEHN, R. SCHOENENBERGER, P. WEIDLER, U. VON GUNTEN
Characterization of Iron and Manganese Precipitates from in Situ Ground Water: Treatment Plant
Ground Water 2001 vol. 39 (6) 921-930

- P25 L. DHOUBI, PH. REFAIT, **M. ABDELMOULA**, E. TRIKI, J. M. GENIN
Influence of phosphate on the corrosion products of iron in chloride-polluted concrete-simulating solutions: Ferrihydrite vs Green Rust .
Corrosion Science NACE Vol. 58 2002, p. 467-478
- P26 F. FAVRE, D. TESSIER, **M. ABDELMOULA**, J. M GENIN, W. P. GATES, P. BOIVIN
Iron reduction and CEC changes in intermittently reduced soil
European Journal of Soil Science ; Vol.53 March 2002 p 1-9
- P27 J. M. R. GENIN, PH. REFAIT, **M. ABDELMOULA**
Green Rusts and their relationship to iron corrosion; a key role in microbially influenced corrosion
Hyperfine Interactions Vol.139 p.119-131 2002
- P28 G. ONA-NGUEMA, **M. ABDELMOULA**, F. JORAND, O. BENALI, A. GEHIN, J. C. BLOCK,
 J. M. R. GENIN
Microbial reduction of lepidocrocite by Shewanella putrefaciens; the formation of Green Rust
Hyperfine Interactions Vol.139 p. 231-237 2002
- P29 O. BENALI, **M. ABDELMOULA**, P. REFAIT, J. M. R. GENIN
The behaviour of phosphate ions as corrosion inhibitor of Fe(II)-Fe(III) hydroxycarbonate green rust
Hyperfine Interactions Vol. 139 p. 223-230 2002
- P30 Ph. REFAIT, S. H. DRISSI, **M. ABDELMOULA**, J. M. GENIN
Synthesis and reactivity of Mg(II)-Fe(II)-Fe(III) hydroxycarbonate
Hyperfine Interactions (2002) Vol. 140 p. 651-655
- P31 M. MULLET, S. BOURSQUOT, **M. ABDELMOULA**, J. M. R. GENIN, J. J. EHRHARDT
Surface chemistry and structural properties of mackinawite prepared by reaction of sulfide ions with metallic iron
Geochimica et Cosmochimica Acta (2002) Vol 66/5 p. 95-102
- P32 M. MULLET, S. BOURSQUOT, **M. ABDELMOULA**, J. J. EHRHARDT, J. M. GENIN
Mössbauer and X-ray diffraction study of Mackinawite FeS_{1-x} air oxidation
Hyperfine Interactions C vol. 5 (2002), p. 443-446
- P33 G. ONA-NGUEMA, O. BENALI, **M. ABDELMOULA**, F. JORAND, J. -M. GENIN, J. C. BLOCK
Key role of the kinetics of γ -FeOOH bioreduction on the formation of Fe(II)-Fe(III) minerals
Hyperfine Interactions C vol. 5 (2002), p. 415-418
- P34 G. ONA-NGUEMA, **M. ABDELMOULA**, F. JORAND, O. BENALI, A. GEHIN, J. C. BLOCK, J. M. R.
 GENIN
Iron(II,III) Hydroxy-Carbonate Green Rust Formation and Stabilisation from Lepidocrocite Bioreduction
Environmental Science & Technology, 2002, vol. 36, p. 16-20
- P35 A. GEHIN, C. RUBY, **M. ABDELMOULA**, O. BENALI, J. GHANBADJA, Ph. REFAIT, J. M. R.
 GENIN
Synthesis of Fe(II)-Fe(III) hydroxysulphate green rust, by coprecipitation
Solid State Sciences Vol 4 (2002) p. 61-66
- P36 Ph. REFAIT A. GEHIN, **M. ABDELMOULA**, J. M. R. GENIN
Coprecipitation thermodynamics of iron(II-III) hydroxy-sulphate green rust from Fe(II) and Fe(III) salts
Corrosion Science Vol. 45 (2003) p. 659-676
- P37 D. GUILLAUME, A. NEAMAN, M. CATHELIN, R. MOSSER-RUCK, C. PEIFFERT,
M. ABDELMOULA, J. DUBESSY, F. VILLIERAS, A. BARONNET, N. MICHAU
Experimental synthesis of chlorite from smectite at 300° C in the presence of iron metal
Clay minerals, 38, (2003), p. 281-302

- P38 Ph. REFAIT, O. BENALI, **M. ABDELMOULA**, J. M. R. GENIN
The formation of ferric green rust and ferrihydrite by fast oxidation processes of the iron(II-III) hydroxychloride green rust
Corrosion Science 45, (2003) p.2435-2449
- P39 C. RUBY, A. GEHIN, C. **M. ABDELMOULA**, J. M. R. GENIN, J. P. JOLIVET
Coprecipitation of Fe(II) and Fe(III) cations in sulphated aqueous medium and formation of hydroxysulphate green rust
Solid State Sciences (2003) ; 5 ; p. 1055-1062
- P40 G. ONA-NGUEMA, C. CARTERET; O. BENALI, **M. ABDELMOULA**, J. M. GENIN; F. JORAND
Competitive Formation of hydroxycarbonate Green Rust I vs Hydroxysulphate Green Rust II in Shewanella putrefaciens cultures.
Geomicrobiology Journal (2004), 21(2), p. 79-90
- P41 D. GUILLAUME, A. NEAMAN, M. CATHELINÉAU, R. MOSSER-RUCK, C. PEIFFERT,
M. ABDELMOULA, J. DUBESSY, F. VILLIERAS, N. MICHAU
Experimental study of the transformation of smectite at 80 and 300°C in the presence of iron oxides.
Clay minerals 39, (2004), p. 17-34
- P42 F. BOCHER, A. GEHIN, C. RUBY, J. GHANBAJA, C. **M. ABDELMOULA**, J. M. R. GENIN
Coprecipitation of Fe(II-III) hydroxycarbonate green rust stabilised by phosphate adsorption
Solid State Sciences (2004), 6, p. 117-124
- P43 **M. ABDELMOULA**, M. PETITJEAN, G. CABOCHE, J.M GÉNIN, L. C DUFOUR
Mössbauer study of lanthanum strontium ferromanganite oxides
Hyperfine Interactions (2004), 156/157, p. 299-303
- P44 R. AISSA, C. RUBY, A. GÉHIN, **M. ABDELMOULA**, **J. M. GÉNIN**.
Synthesis by coprecipitation of Al-substituted hydroxysulphate green rust, Fe(II)₄Fe(III)_{(2-y)Al(III)_y(OH)₁₂nH₂O}
Hyperfine Interactions (2004), 156/157, p. 445-451
- P45 E. M. BARBOSA, A.F.D.C. VARAJAO, J. YVON, T. ALLARD, E. BALAN, G. MORIN, **M. ABDELMOULA**
Iron EPR logging as a tool for stratigraphic determinations: application to Rio Capim kaolin deposit(BRASIL)
Journal of Mining and Metallurgy, (2004), 40A(1) , 1-9
- P46 J. EL MOATA, A. ELGHMARI, M. SAJIEDDINE, **M. ABDELMOULA**, M. DROUSSI, H. LATRACHE,
E. AGOUIRIANE, A. EL BOUADILI
The usefulness of Moessbauer spectroscopy for the study of iron oxidation state in pont sediment.
Physical & Chemical News (2004), 19 p. 69
- P47 Ph. REFAIT, **M. ABDELMOULA**, L. SIMON, J. M. GENIN
Mechanism of formation and transformation of Ni-Fe layered double hydroxides in SO²⁻₃ and SO²⁻₄ containing aqueous solutions.
Journal of Physics and Chemistry of Solids (2005), 66, p. 911-917
- P48 Ph. REFAIT, S. H. DRISSI, **M. ABDELMOULA**, M. JEANNIN, M. REFFASS, J. M. GENIN
Mechanisms of formation and transformation of Ni-Fe hydroxycarbonate
American Institute of Physics
- P49 O. BENALI, **M. ABDELMOULA**, J. M. GENIN

Effect of phosphate on the oxidation of hydroxysulfate green rust
American Institute of Physics

- P50 A. ZEGEYE, G. ONA-NGUEMA, C. CARTERET, L. HUGUET, **M. ABDELMOULA**, F. JORAND
Formation of hydroxysulfate green rust 2 as a single iron(II-III) mineral in microbial culture
Geomicrobiology Journal (2005), 22 p. 389-399
- P51 J. M. GÉNIN, R. AISSA, A. GÉHIN, **M. ABDELMOULA**, O. BENALI, V. ERNSTEN, G. ONA-NGUEMA, C. UPADHYAY, C. RUBY
Fougerite and Fe(II-III) hydroxycarbonate green rust; ordering, deprotonation and cation substitution; structure of hydrotalcite-like compounds and mythic hydroxide Fe(OH)_(2+x)
Solid State Sciences (2005), 7, p. 545-572
- P52 R. AISSA, M. FRANCOIS, C. RUBY, F. FAULTH, G. MEDJAHDI, **M. ABDELMOULA**, J. GENIN
Formation and crystallographical structure of hydroxysulphate and hydroxycarbonate green rust synthesised by coprecipitation.
Journal of Physics and Chemistry of Solids (2006), 67, p. 1016-1019 IF= 1.189
- P53 R. ZANELLI, M. EGLI, A. MIRABELLA, **M. ABDELMOULA**, M. PLOTZE, M. NOTZLI
Black soils in the Southern Alps: clay formation and transformation, amorphous Al phases and Fe forms
Clays and Clay Minerals (2006), Vol. 54, p.703-720 IF=1.431
- P54 P. REFAIT; **M. ABDELMOULA**; J. M GENIN; R. SABOT
Green rusts in electrochemical and microbially influenced corrosion of steel
Comptes Rendus Geoscience (2006) 338, p. 476-487 IF=0.931
- P55 J. BERTHELIN, G. ONA-NGUEMA, S. STEMMLER, C. QUANTIN, **M. ABDELMOULA**, F. JORAND
Bioreduction of ferric species and biogenesis of green rusts in soils
Comptes Rendus Geoscience (2006) 338, p. 447-455 IF=0.931
- P56 C. RUBY, R. AISSA, A. GÉHIN, J. CORTOT, **M. ABDELMOULA**, J. M. GÉNIN
Green rusts synthesis by coprecipitation of FeII-FeIII ions and mass-balance diagram
Comptes Rendus Geoscience (2006) 338, p. 420-432 IF=0.931
- P57 J. M. GENIN, **M. ABDELMOULA**, C. RUBY, C. UPADHYAY
Speciation of iron; characterisation and structure of green rusts and FeII-III oxyhydroxycarbonate fougerite
Comptes Rendus Geoscience (2006) 338, p. 402-419 IF=0.931
- P58 **M. ABDELMOULA**, A. ZEGEYE, F. JORAND, C. CARTERET
Monitoring changes of structural transformation of hydroxy-sulphate green rustII in the presence of sulphate reducing bacteria
Hyperfine Interactions (2006), Vol 167, p. 723-727
- P59 Ph. REFAIT, **M. ABDELMOULA**, J.M. R. GENIN, M. JEANNIN
Synthesis and characterisation of the Fe(II-III) hydroxy-formate green rust
Hyperfine Interactions (2006), Vol 167, p. 717-722
- P60 Ch. RUBY, R. AISSA, A. GEHIN, **M. ABDELMOULA**, J.M. R. GENIN
Chemical stability of hydroxysulphate green rust synthesised in the presence of foreign anions: carbonate, phosphate and silicate
Hyperfine Interactions (2006), Vol 167, p. 803-807
- P61 J. M. GENIN, **M. ABDELMOULA**, R. AISSA, C. RUBY

Ordering in FeII-III hydroxysalt green rusts from XRD and Mössbauer analysis (chloride, carbonate, sulphate, oxalate...); about the structure of hydrotalcite-like compounds
Hyperfine Interactions (2006), Vol 166, p. 391-396

Contrat 2009-2012

- P62 F TROLARD, G. BOURRIE, **M. ABDELMOULA**, Ph. REFAIT, F. FEDER
Fougerite, a new mineral of the pyroaurite-iowite group: description and crystal structure
Clays and Clay Minerals (2007), Vol 55, p.323-334 IF=1.431
- P63 R. ZANELLI, M. EGLI, A. MIRABELLA, D. GIACCAI, **M. ABDELMOULA**
Vegetation effects on pedogenetic forms of Fe, Al and Si and on clay minerals in soils in southern Switzerland and northern Italy.
Geoderma (2007), Vol 141 p. 119-129 IF= 2.461
- P64 A. ZEGEYE, L. HUGUET, **M. ABDELMOULA**, C. CARTERET, M. MULLET, F. JORAND
Biogenic hydroxysulfate green rust, a potential electron acceptor for SRB activity
Geochimica et Cosmochimica Acta (2007), Vol. 71, p. 5450-5462 IF= 4.385
- P65B. RUSCH, J. M. GENIN, C. RUBY, **M. ABDELMOULA**, P. BONVILLE
Ferrimagnetic properties of Fe(II-III) (oxy-)hydroxycarbonate green rust.
Solid State Sciences (2008), Vol 10, p. 40-49 IF= 1.675
- P66 V. KHARE, M. MULLET., K. HANNA, M. BLUMERS, **M. ABDELMOULA**, G. KLINGELHOEFER, C. RUBY C.
Comparative studies of ferric green rust and ferrihydrite coated sand : role of synthesis routes
Solid State Sciences (2008), vol. 10, p. 1342-1351 IF= 1.675
- P67 C. RUBY, **M. ABDELMOULA**, R. AISSA, G. MEDJAHDI, M. BRUNELLI, M. FRANCOIS
Aluminium Substitution in Iron(II-III) Layered Double Hydroxides; Formation and Cationic Order
Journal of Solid State Chemistry (2008), 181, p. 2285-2291 IF= 2.34
- P68 B. RUSCH, J. M. GENIN, C. RUBY, **M. ABDELMOULA**, P. BONVILLE
Moessbauer study of magnetism in FeII-III (oxy-)hydroxycarbonate green rusts; ferrimagnetism of FeII-III hydroxycarbonate.
Hyperfine Interactions (2008), 187(1-3), p. 7-12.
- P69 G. ONA-NGUEMA, G. MORIN, Y. WANG, N. MENGUY, F. JUILLOT, L. OLIVI, G. AQUILANTI **M. ABDELMOULA**, C. RUBY, J. R. BARGAR, F. GUYOT, G. CALAS, G. E. BROWN JR.
Arsenite sequestration at the surface of nano-Fe(OH)₂, ferrous-carbonate hydroxide, and green-rust after bioreduction of arsenic-sorbed lepidocrocite by Shewanella putrefaciens
Geochimica et Cosmochimica Acta (2009), Vol. 73(5), p. 1359-1381 IF= 4.385
- P70 G. ONA-NGUEMA, G. MORIN, Y. WANG, F. JUILLOT, **M. ABDELMOULA**, C. RUBY, J. R. BARGAR, F. GUYOT, G. CALAS, G. E. BROWN JR.
Arsenite sequestration by Fe(II)-containing minerals after microbial dissimilatory reduction of arsenic-sorbed lepidocrocite
Conference: 19th Annual VM Goldschmidt Conference, JUN 21, 2009 Davos, Switzerland
Geochimica et Cosmochimica Acta (2009), Vol. 73 (13), A973-A973
- P71 T. KONE, K. HANNA, **M. ABDELMOULA**, C. RUBY, C. CARTERET
Reductive transformation and mineralization of an azo dye by hydroxysulphate green rust preceding oxidation using H₂O₂ at neutral pH.
Chemosphere (2009), vol. 75, p. 212-219 IF= 3.253

- P72 X. XUE, K. HANNA, **M. ABDELMOULA**, N. DENG
Adsorption and oxidation of PCP on the surface of magnetite: Kinetic experiments and spectroscopic investigations.
Applied catalysis B: Environmental (2009), vol. 89, p. 432-440 **IF=5.65**
- P73 A. TARANTOLA, J. MULLIS, D. GUILLAUME, J. DUBESSY, C. de CAPITANI, **M. ABDELMOULA**
Oxidation of CH₄ to CO₂ and H₂O by chloritization of detrital biotite at 270 ± 5 °C in the external part of the central Alps, Switzerland.
Lithos (2009), vol 112, p. 497-510 **IF= 3.537**
- P74 C RUBY, **M. ABDELMOULA**, S. NAILLE, A. RENARD, V. KHARE G. ONA-NGUEMA, G. MORIN, J. M R. GENIN
Oxidation Modes and Thermodynamics of FeII-III Oxyhydroxycarbonate Green Rust and Fougerite : Dissolution-Precipitation versus In-situ Deprotonation
Geochimica et Cosmochimica Acta (2010), vol. 74, p.953-966 **IF= 4.385**
- P75 C. RUBY, M. USMAN, S. NAILLE, K. HANNA, C. CARTERET, M. MULLET, M. FRANCOIS, **M. ABDELMOULA**
Synthesis and transformation of iron-based layered double hydroxides
Applied Clay Science (2010), vol. 48, p. 195-202 **IF= 2.78**
- P76 S. NAILLE, **M. ABDELMOULA**, D. LOUBER, JP. MOULIN, C RUBY,
Reflexion Mössbauer analysis of the in situ oxydation products of hydroxycarbonate green rust
Journal of Physics : Conference series (2010), 217
- P77 J. M R. GENIN, C RUBY, **M. ABDELMOULA**, A. RENARD,
In situ oxidation of green rusts by deprotonation; wet corrosion and passivation of weathering steels.
Journal of Physics : Conference series (2010), 217
- P78 F. JORAND, A. ZEGEYE, J. GANBAAJA, **M. ABDELMOULA**
Formation of green rust induced by tropical river biofilm components
Science of the total environment (2011) , vol. 409 p. 2586-2596 **IF=2.9**
- P79 A. ZEGEYE, **M. ABDELMOULA**, M. USMAN, K. HANNA, C. RUBY
In situ monitoring of lepidocrocite bio-reduction and magnetite formation by reflexion Mössbauer spectroscopy.
American Mineralogist (2011) 96, p.1410-1413 **IF=1.85**
- P80 **M. ABDELMOULA**, C. CARTERET, M.MALLET, J. GRAUSEM, M. DOSSOT
Spectroscopie de l'extrême surface au cœur du matériau : application aux matériaux lamellaires.
La gazette du vide (2011) N°23
- P81 M. USMAN, K. HANNA, **M. ABDELMOULA**,, A. ZEGEYE, P. FAURE, C. RUBY
Formation of green rust via mineralogical transformation of ferric oxides (ferrihydrite, goethite and hematite).
Applied Clay Science (2012), 64, p.38-43 **IF=2.3**
- P82 M. USMAN, P. FAURE, K. HANNA, **M. ABDELMOULA**, C. RUBY
Application of magnetite catalyzed chemical oxidation (Fenton-like and persulfate) for the remediation of oil hydrocarbon contamination
Fuel (2012) 96, p. 270-276 **IF=3.6**
- P83 A.-V. JUNG, V. CHANUDET, B. LARTIGES, J. GHANBAAJA, **M. ABDELMOULA**, J. L.BERSILLON
Association of iron oligomeric species with natural organic matter: a combined EELS and Mössbauer investigation.
Aquatic Sciences (2012), 74, p. 769-779

- P84 M. USMAN, **M. ABDELMOULA**, K. HANNA, B. GREGOIRE, P. FAURE, C. RUBY
FeII induced mineralogical transformations of ferric oxyhydroxides into magnetite of variable stoichiometry and morphology.
Journal of Solid State Chemistry (2012), 194, p. 328-335
- P85 C. RIVARD, M. PELLETIER, N. MICHAU, A. RAZAFITIANAMAHARAVO, I. BIHANIC, M. **ABDELMOULA**, J. GHANBAJA and .VILLIERAS
Berthierine-like mineral formation and stability during the interaction of kaolinite with metallic iron at 90°C under anoxic and oxic conditions
American Mineralogist (2013) 98, p. 163-180
- P86 M. USMAN, **M. ABDELMOULA**, P. FAURE, C. K. HANNA, C. RUBY
Transformation of various kinds of goethite into magnetite: effect of chemical and surface properties
Geoderma (2013) Volumes 197–198, Pages 9-16
- P87 D. GUERBOIS, G. ONA-NGUEMA, G. MORIN., **M. ABDELMOULA**., J. A. LAVERMAN, -
 MOUCHEZ., K. BARTHELEMY, J. BREST
Ferrous denitrication by biogenic hydroxycarbonate green-rust
Mineralogical Magazine, 2013, 77(5), 1227, DOI:10.1180/minmag. 077.5.7
- P88 X. CHATELLIER, M. GRYBOS, **M. ABDELMOULA**, K. KEMNER, G. G. LEPPARD, C. MUSTIN, M.
 M WEST and D. PAKTUNK
Immobilization of P by oxidation of Fe(II) ions leading to nanoparticle formation and aggregation
Applied Geochemistry (2013), 35, p. 325-339
- P89 D. GUERBOIS, G. ONA-NGUEMA, G. MORIN., **M. ABDELMOULA**, A. LAVERMAN,, J. -
 MOUCHEZ., K. BARTHELEMY, F. MAILLOT, J. BREST
Nitrite reduction by biogenic hydroxycarbonate green rusts : evidence for hydroxy-nitrite green rust formation as an intermediate reaction product
Environmental Science & Technology (2014), 48, p. 4505-4514
- P90 C. FORANO, **M. ABDELMOULA**, E. SABBAR, V. PREVOT, C. TAVIOT-GUEHO
Current trends in Iron complexes intercalated layered double hydroxides
Current Inorganic Chemistry, (2015), 5, p. 194-207
- P91 B. MAITTE, F. JORAND, D. GRGIC, **M. ABDELMOULA**, C. CARTERET
Remineralization of ferrous carbonate from bioreduction of the natural goethite in the Lorraine iron ore (Minette) by Shewanella putrefaciens
Chemical Geology (2015), 412, p.48-58
- P92 C. RIVARD, M. PELLETIER, N. MICHAU, A. RAZAFITIANAMAHARAVO, M. **ABDELMOULA**, J.
 GHANBAJA and .VILLIERAS
Reactivity of Callovo-Oxfordian claystone and its clay fraction with metallic iron: Role of non-clay minerals on the mechanism of interaction
Clays and clay minerals (2015) 63, p.290-310