

PUBLICATIONS ECCOREV 2008-2011

A. ARTICLES REFERENCES* CITANT ECCOREV DANS L'ADRESSE ou REMERCIEMENTS

* ISI WEB OF SCIENCE

1. Allen CD, Macalady AK, Chenchouni H, Bachelet D, McDowell N, Vennetier M, Kitzberger T, Rigling A, Breshears DD, Hogg EH, Gonzalez P, Fensham R, Zhang Z, Castro J, Demidova N, Lim JH, Allard G, Running SW, Semerci A, Cobb N (2010) A global overview of drought and heat-induced tree mortality reveals emerging climate change risks for forests. *Forest Ecology and Management* 259:660-684.
2. Asia L, Mazouz S, Giuliano M, Dournenq P, Mille G (2009) Occurrence and distribution of hydrocarbons in surface sediments from Marseille Bay (France). *Marine Pollution Bulletin* 58:443-451.
3. Aye M, Di Giorgio C, De Mo M, Botta A, Perrin J, Courbiere B (2010) Assessment of the genotoxicity of three cryoprotectants used for human oocyte vitrification: Dimethyl sulfoxide, ethylene glycol and propylene glycol. *Food and Chemical Toxicology* 48:1905-1912.
4. Benchabane Y, Di Giorgio C, Boyer G, Sabatier AS, Allegro D, Peyrot V, De Meo M (2009) Photo-inducible cytotoxic and clastogenic activities of 3,6-di-substituted acridines obtained by acylation of proflavine. *European Journal of Medicinal Chemistry* 44:2459-2467.
5. Berge-Lefranc D, Chaspoul F, Calaf R, Charpiot P, Brunet P, Gallice P (2010) Binding of p-Cresylsulfate and p-Cresol to Human Serum Albumin Studied by Microcalorimetry. *Journal of Physical Chemistry B* 114:1661-1665.
6. Berthelot-Ricou A, Perrin J, Di Giorgio C, De Meo M, Botta A, Courbiere B (2011) Comet assay on mouse oocytes: an improved technique to evaluate genotoxic risk on female germ cells. *Fertility and Sterility* 95:1452-1457.
7. Bizet P, Sari-Minodier I, Metzler-Guillemain C, Geoffroy-Siraudin C, Botta A, Perrin J (2010) Male reprotoxic risk in the building-trade sector. *Archives Des Maladies Professionnelles Et De L Environnement* 71:660-667.
8. Clouzot L, Doumenq P, Roche N, Marrot B (2010a) Kinetic parameters for 17 alpha-ethinylestradiol removal by nitrifying activated sludge developed in a membrane bioreactor. *Bioresource Technology* 101:6425-6431.
9. Clouzot L, Doumenq P, Vanloot P, Roche N, Marrot B (2010b) Membrane bioreactors for 17 alpha-ethinylestradiol removal. *Journal of Membrane Science* 362:81-85.

10. Clouzot L, Roche N, Marrot B (2011) Effect of membrane bioreactor configurations on sludge structure and microbial activity. *Bioresource Technology* 102:975-981.
11. De Fleurian G, Perrin J, Ecochard R, Dantony E, Lanteaume A, Achard V, Grillo JM, Guichaoua MR, Botta A, Sari-Minodier I (2009) Occupational Exposures Obtained by Questionnaire in Clinical Practice and Their Association With Semen Quality. *Journal of Andrology* 30:566-579.
12. de Fleurian G, Perrin J, Lanteaume A, Achard V, Guichaoua MR, Grillo JM, Botta A, Sari-Minodier I (2008) Occupational exposures and male infertility: Interest of a collaboration between occupational medicine and reproductive medicine. *Archives Des Maladies Professionnelles Et De L Environnement* 69:276-278.
13. Garnier JM, Travassac F, Lenoble V, Rose J, Zheng Y, Hossain MS, Chowdhury SH, Biswas AK, Ahmed KM, Cheng Z, van Geen A (2010) Temporal variations in arsenic uptake by rice plants in Bangladesh: The role of iron plaque in paddy fields irrigated with groundwater. *Science of the Total Environment* 408:4185-4193.
14. Girard F, Vennetier M, Ouarmim S, Caraglio Y, Misson L (2011) Polycyclism, a fundamental tree growth process, decline with recent climate change: the example of *Pinus halepensis* Mill. in Mediterranean France. *Trees-Structure and Function* 25:311-322.
15. Guenon R, Vennetier M, Dupuy N, Ziarelli F, Gros R (2011) Soil organic matter quality and microbial catabolic functions along a gradient of wildfire history in a Mediterranean ecosystem. *Applied Soil Ecology* 48:81-93.
16. Guichaoua MR, Geoffroy-Siraudin C, Mercier G, Achard V, Paulmyer-Lacroix O, Metzler-Guillemain C (2009a) Genetic aspects of the teratozoospermia. *Gynecologie Obstetrique & Fertilite* 37:540-545.
17. Guichaoua MR, Geoffroy-Siraudin C, Tassistro V, Ghalamoun-Slaimi R, Perrin J, Metzler-Guillemain C (2009b) Sex chromosomes and meiosis. *Gynecologie Obstetrique & Fertilite* 37:895-900.
18. Guiot J, Wu HB, Garreta V, Hatte C, Magny M (2009) A few prospective ideas on climate reconstruction: from a statistical single proxy approach towards a multi-proxy and dynamical approach. *Climate of the Past* 5:571-583.
19. Guiot, J., Corona, C. & ESCARSEL members, 2010. Growing season temperatures in Europe and climate forcings over the last 1400 years. *PLoS-one*, 5(4): e9972. doi:10.1371/journal.pone.0009972
20. Haichar FE, Marol C, Berge O, Rangel-Castro JI, Prosser JI, Balesdent J, Heulin T, Achouak W (2008) Plant host habitat and root exudates shape soil bacterial community structure. *Isme Journal* 2:1221-1230.

21. Hatte C, Rousseau DD, Guiot J (2009) Climate reconstruction from pollen and delta C-13 records using inverse vegetation modeling - Implication for past and future climates. *Climate of the Past* 5:147-156.
22. Levard C, Rose J, Masion A, Doelsch E, Borschneck D, Olivi L, Dominici C, Grauby O, Woicik JC, Bottero JY (2008) Synthesis of large quantities of single-walled aluminogermanate nanotube. *Journal of the American Chemical Society* 130:5862-+.
23. Liu W, Chaspoul F, Botta C, De Meo M, Gallice P (2010) Bioenergetics and DNA alteration of normal human fibroblasts by hexavalent chromium. *Environmental Toxicology and Pharmacology* 29:58-63.
24. Meynier C, Feracci M, Espeli M, Chaspoul F, Gallice P, Schiff C, Guerlesquin F, Roche P (2009) NMR and MD Investigations of Human Galectin-1/Oligosaccharide Complexes. *Biophysical Journal* 97:3168-3177.
25. Onoratini G, Giuliano M, Mille G, Simon P (2009) Albo-Cenomanian ambers from Lure Mountain (Alpes-de-Haute-Provence), stratigraphic and paleogeographic tool. *Geobios* 42:89-99.
26. Ortet P, Barakat M, Lalaouna D, Fochesato S, Barbe V, Vacherie B, Santaella C, Heulin T, Achouak W (2011) Complete Genome Sequence of a Beneficial Plant Root-Associated Bacterium, *Pseudomonas brassicacearum*. *Journal of Bacteriology* 193:3146-3146.
27. Peng CH, Guiot J, Wu HB, Jiang H, Luo YQ (2011) Integrating models with data in ecology and palaeoecology: advances towards a model-data fusion approach. *Ecology Letters* 14:522-536.
28. Perrard MH, Grenet C, Prisant N, Geoffroy-Siraudin C, Segretain D, Guichaoua MR, Pointis G, Durand P (2010) European regulation REACH and the assessment of testicular toxicity. *M S-Medecine Sciences* 26:305-310.
29. Perrin J, Saias-Magnan J, Lanteaume A, Thiry-Escudie I, Serment G, Bladou F, Gamerre M, Grillo JM, Karsenty G (2011) Initial results of a novel technique for sperm retrieval in male infertility due to refractory retrograde ejaculation. *Progres En Urologie* 21:134-138.
30. Perrin J, Saias-Magnan J, Lanteaume A, Thiry-Escudier I, Serment G, Bladou F, Gamerre M, Grillo JM, Karsenty G (2010) Preliminary results of a new technique to harvest sperm from the bladder in patients with retrograde ejaculation unresponsive to medical treatment. *Pelvi-Perineologie* 5:78-82.
31. Ple J, Charrier D, Sajous L, Coletti F, Paul D, Sari-Minodier I (2008a) The job of industrial radiographer: Constraints, risks and monitoring. *Archives Des Maladies Professionnelles Et De L Environnement* 69:40-47.

32. Ple J, Charrier D, Sari-Minodier I (2008b) Overexposure to ionizing radiation in the practice of industrial radiography. *Archives Des Maladies Professionnelles Et De L Environnement* 69:48-53.
33. Sari-Minodier I, Maitre A, Pilliere F, Conso F, Paris C (2010) Thoughts about biological monitoring of occupational exposure to carcinogens and traceability. *Archives Des Maladies Professionnelles Et De L Environnement* 71:233-241.
34. Sari-Minodier I, Truchon G, Charest-Tardif G, Berube A, Tardif R (2009) The Effect of Workload on Biological Monitoring of Occupational Exposure to Toluene and N-Hexane: Contribution of Physiologically Based Toxicokinetic Modeling. *Journal of Occupational and Environmental Hygiene* 6:415-432.
35. Saveyn H, Ferrasse JH, Hernandez AB, Rose J, Van der Meeren P, Roche N (2011) The Distribution of Heavy Metals Following Sewage Sludge Gasification. *Journal of Residuals Science & Technology* 8:61-66.
36. Sierra A, Sari-Minodier I, Camoin-Jau L, Lafon-Borelli M, Botta A (2010) The occupational physician in front of leucocytes abnormality. *Archives Des Maladies Professionnelles Et De L Environnement* 71:894-905.
37. Vennetier M, Ripert C (2009) Forest flora turnover with climate change in the Mediterranean region: A case study in Southeastern France. *Forest Ecology and Management* 258:S56-S63.
38. Vergnoux A, Di Rocco R, Domeizel M, Giuliano M, Doumenq P, Theraulaz F (2011a) Effects of forest fires on water extractable organic matter and humic substances from Mediterranean soils: UV-vis and fluorescence spectroscopy approaches. *Geoderma* 160:434-443.
39. Vergnoux A, Giuliano M, Di Rocco R, Domeizel M, Theraulaz F, Doumenq P (2011b) Quantitative and mid-infrared changes of humic substances from burned soils. *Environmental Research* 111:205-214.
40. Vergnoux A, Malleret L, Asia L, Doumenq P, Theraulaz F (2011c) Impact of forest fires on PAH level and distribution in soils. *Environmental Research* 111:193-198.
41. Vernoux A, Giuliano M, Le Dreau Y, Kister J, Dupuy N, Doumenq P (2009) Monitoring of the evolution of an industrial compost and prediction of some compost properties by NIR spectroscopy. *Science of the Total Environment* 407:2390-2403.
42. Zanetti C, Weller A, Vennetier M, Meriaux P (2011) Detection of buried tree root samples by using geoelectrical measurements: a laboratory experiment. *Plant and Soil* 339:273-283.

ARTICLES REFERENCES* DE DEUX EQUIPES ECCOREV OU PLUS

* ISI WEB OF SCIENCE

1. Antonelli C, Eyrolle F, Rolland B, Provansal M, Sabatier F (2008) Suspended sediment and Cs-137 fluxes during the exceptional December 2003 flood in the Rhone River, southeast France. *Geomorphology* 95:350-360.
2. Antonelli, C., F. Eyrolle, B. Rolland, M. Provansal, F. Sabatier (2008). Suspended sediment and artificial radionuclide fluxes during exceptional floods. Case study: the Rhône River (SE France) in December 2003. *Geomorphology*, 95, 350-360.
3. Auffan M, Achouak W, Rose J, Roncato MA, Chanéac C, Waite DT, Masion A, Woisik J, Wiesner M, Bottero JY, 2008. Relation between the redox state of iron-based nanoparticles and their cytotoxicity towards Escherichia coli. *Environ Sci Technol* 42:6730-5.
4. Auffan, M.; Rose, J.; Orsiere, T.; De Meo, M.; Thill, A.; Zeyons, O.; Proux, O.; Masion, A.; Chaurand, P.; Spalla, O.; Botta, A.; Wiesner, M. R.; Bottero, J. Y., CeO₂, 2009. nanoparticles induce DNA damage towards human dermal fibroblasts in vitro. *Nanotoxicology* 3 (2), 161-171.
5. Basile-Doelsch, I., Brun, T., Borschneck, D., Masion, A., Marol, C., and Balesdent, J., 2009. Effect of landuse on organic matter stabilized in organomineral complexes: A study combining density fractionation, mineralogy and delta C-13. *Geoderma* 151, 77-86.
6. BELLIER, O., M. SÉBRIER, D. SEWARD, T. BEAUDOUIN, M. VILLENEUVE, E. PUTRANTO, 2006. Late cenozoic uplift and stress regime changes in Central Sulawesi (Indonesia). *Tectonophysics*. 413, 201-220.
7. Benard A., Rose J., Hazeman J.-L., Proux O., Trotignon L., Borschneck D., Nonat A., Chateau L. ; Bottero J.-Y., 2009. Modelling of Pb release during Portland cement alteration, *Advances in cement research*, 21, 1: 1-10
8. Campagne P., Affre L., Baumel A., Roche P. & Tatoni T. 2009a. Fine scale response to landscape structure in *Primula vulgaris* Huds.: does hedgerow network connectedness ensure connectivity through gene flow? *Population Ecology*, 51 : 209-219.
9. Campagne P., Baumel A., Affre L., Juin M., Duong N., Roche P. & Tatoni T., 2009b. Genetic signs of connectivity in *Primula vulgaris* (Primulaceae) in a hedgerow network landscape. *Comptes Rendus Biologies*, 332 : 652-661.
10. Campagne P., Buisson E., Varouchas G., Roche P., Baumel A. & Tatoni T., 2009c. Modeling landscape structure constraints on species dispersal with a cellular automaton: are there convergences with empirical data? *Ecological complexity*, 6 : 183-190.

11. Cecillon L, Cassagne N, Czarnes S, Gros R, Vennetier M, Brun JJ (2009) Predicting soil quality indices with near infrared analysis in a wildfire chronosequence. *Science of the Total Environment* 407:1200-1205.
12. CECILLON Lauric, CASSAGNE Nathalie, CZARNES Sonia, GROS Raphaël, VENNETIER Michel, BRUN Jean-Jacques - 2009. *Predicting soil quality indices with near infrared analysis in a wildfire chronosequence*. *Science of the Total Environment* 407 (3): 1200-1205
13. Clouzot L, Marrot B, Doumenq P, Roche N (2008) 17 alpha-ethinylestradiol: An endocrine disrupter of great concern. Analytical methods and removal processes applied to water purification. A review. *Environmental Progress* 27:383-396.
14. Comoretto L, B. Arfib, R. Talva, P. Chauvelon, M. Pichaud, S. Chiron, P. Höhener. Runoff of pesticides from rice fields in the Ile de Camargue (Rhône river delta, France): Field study and modeling. *Environmental Pollution*, 151 (3), 486-493, 2008.
15. Coppin, F., Chabroulet, C., . Martin-Garin, A., Balesdent, J., Gaudet, J. P., 2006. Methodological approach to assess the effect of soil ageing on selenium behaviour: first results concerning mobility and solid fractionation of selenium, *Biol Fertil Soils*, 42, 379–386.
16. Corona C., Edouard J.-L., Guibal F., Bernard S. & Guiot J., 2011. Long-term summer temperature fluctuation in the French Alps based on tree-rings. *Boreas*, 40, 351-366, 10.1111/j.1502- 3885.2010.00185.x. ISSN 0300-9843.
17. Corona, C., Guiot, J., Edouard, J.L., Chalié, F., Buntgen, U., Nola, P., Urbinati, C., 2010. Millennium-long summer temperature variations in the European Alps as reconstructed from tree-rings. *Climate of the Past*, 6, 379-400.
18. Darcheville O, Février L, Haichar FZ, Berge O, Martin-Garin A, Renault P, 2008. Aqueous, solid and gaseous partitioning of selenium in an oxic sandy soil under different microbiological states. *J Environ Radioactiv* 99(6):981-92.
19. De Montety V., Radakovitch O., Vallet-Coulomb, C., Blavoux B., Hermitte D. et V. Valles, 2008. Origin of groundwater salinity and hydrogeochemical processes in a confined coastal aquifer: Case of the Rhone delta (Southern France). *Applied Geochemistry*, 23(8) : 2337.
20. Devallois V, P. Boyer, J.-L. Boudenne, B. Coulomb. Mobility of trace metals in freshwater sediments by coupling solid-liquid exchanges, biogeochemical reactions and interstitial diffusion. *Radioprotection*, 44(5), 525-530, 2009.
21. Devallois V, P. Boyer, J.-L. Boudenne, B. Coulomb. Modelling the vertical profile of O₂ and pH in saturated freshwater sediments. *International Journal of Limnology*, 44(4), 275-288, 2008.

22. Devallois, V., P. Boyer, J.L. Boudenne, B. Coulomb, 2008. Modelling the vertical profiles of O₂ and pH in saturated freshwater sediments, *Ann. Limnol. - Int. J. Lim.* 2008, 44 (4), 275-288.
23. Fallour-Rubio D., Guibal F., Klein E.K., Bariteau M., Lefèvre F. 2009. Rapid changes in plasticity across generations within an expanding cedar forest. *Journal of Evolutionary Biology*, 22(3):553-563.
24. Farnet AM, P. Prudent, F. Ziarelli, M. Domeizel, R. Gros, 2009. Solid-state C-13 NMR to assess organic matter transformation in a subsurface wetland under cheese-dairy farm effluents. *Bioresource Technology*, 100(20), 4899-4902.
25. Farnet. AM, P. Prudent, M. Cigna, R. Gros, 2008. Soil microbial activities in a constructed soil reed-bed under cheese-dairy farm effluents. *Bioresource Technology*, 99 (14) 6198-6206.
26. Geoffroy, L., Gilbin R, Simona O, Floriani M, Adama C, Pradines C, Courzac L , Garnier-Laplace J, 2007. Effect of selenate on growth and photosynthesis of Chlamydomonas reinhardtii, *Aquatic Toxicology Volume 83, Issue 2*, 149-158.
27. Hassouna M, C. Massiani, Y. Dusal, N. Pech, F. Théraulaz, 2010. Changes in water extractable organic matter (WEOM) in a calcareous soil under field conditions with time and soil depth. *Geoderma*, 155 (1-2), 75-85.
28. Hernandez, A.B., Ferrasse JH, Chaurand P, Saveyn H, Borschneck D, Roche N, 2011. Mineralogy and leachability of gasified sewage sludge solid residues. *Journal of Hazardous Materials* 191, 219–227.
29. Hirsch, J., Marin, E., Floriani, M., Chiarenza, S., Richaud, P., Nussaume, L., Thibaud, M.C., 2006. Phosphate deficiency promotes modification of iron distribution in *Arabidopsis* plants. *Biochimie*, 88, 11, 1767-1771.
30. Krivtsov, V., Vigy, O., Legg, C., Curt, T., Rigolot, E., Lecomte, I., Jappiot, M., Lampin-Maillet, C., Fernandes, P., Pezzatti, G.B., 2009. Fuel modelling in terrestrial ecosystems: an overview in the context of the development of an object-orientated database for wildfire analysis. *Ecological Modelling*. 220 : 2915-2926.
31. Labille J, Masion A, Ziarelli F, Rose J, Brant J, Villieras F, Pelletier M, Borschneck D, Wiesner MR, Bottero JY (2009) Hydration and Dispersion of C-60 in Aqueous Systems: The Nature of Water-Fullerene Interactions. *Langmuir* 25:11232-11235.
32. Lampin-Maillet, C., Jappiot, M., Long, M., Bouillon, C., Morge, D., Ferrier, J.P., 2010. Mapping wildland-urban interfaces at large scales integrating housing density and vegetation aggregation for fire prevention in the South of France, *Journal of Environmental Management* 91, 732–741.

33. Lampin-Maillet, C., Jappiot, M., Long, M., Morge, D., Ferrier, J.P, 2009. Characterization and mapping of dwelling types for forest fire prevention, Computers, Environment and Urban Systems 33, 224–232.
34. Levard, C.; Rose, J.; Masion, A.; Doelsch, E.; Borschneck, D.; Olivi, L.; Dominici, C.; Grauby, O.; Woicik, J. C.; Bottero, J. Y. (2008). Synthesis of large quantities of single-walled aluminogermanate nanotube. Journal of the American Chemical Society, 130 (18), 5862.
35. Levasseur A, Dufourny L, Migaud M, Callebaut I, Pontarotti P, Malpaux B, Monget P., 2008. GPR50 is the mammalian ortholog of Mel1c-Evidence of a particularly fast evolution in mammals. BMC Evolutionary Biology. 8:105
36. Levasseur A, Piumi F, Coutinho PM, Rancurel C, Asther M, Delattre M, Henrissat B, Pontarotti P, Asther M, 2008. an integrated database for the classification and functional annotation of fungal oxidoreductases potentially involved in the degradation of lignin and related aromatic compounds. Fungal Genetics and Biology. 45:638-645
37. Levasseur A, Pontarotti P, Poch O, Thompson JD., 2008. Strategies for reliable phylogenetic inference in high throughput biology, Evolutionary Bioinformatics. 4:121-137.
38. Levasseur A, Rascol VL, Chabrol O, Grusea S, Gouret P, Danchin EG, Pontarotti P. CASSIOPE, 2009. an expert system for conserved regions searches. BMC Bioinformatics. 10:284.
39. Liepelt S., Cheddadi R., de Beaulieu J.L., Fady B., Gömöry D., Hussendörfer E., Konnert M., Litt T., Longauer R., Terhürne-Berson R., Ziegenhagen B., 2009. Postglacial range expansion and its genetic imprints in *Abies alba* (Mill.) - a synthesis from paleobotanic and genetic data. Review of Palaeobotany and Palynology, 153, 139-149.
40. Marco A, Dutoit T, Deschamps-Cottin M, Mauffrey JF, Vennetier M, Bertaudiere-Montes V (2008) Gardens in urbanizing rural areas reveal an unexpected floral diversity related to housing density. Comptes Rendus Biologies 331:452-465.
41. MollieX S., O. Bellier, M. Terrier, J. Lamarche, G. Martelet, N. Espurt, 2011. Tectonic and sedimentary inheritance on the structural framework of Provence (SE France): Importance of the Salon-Cavaillon fault. *Tectonophysics*, doi:10.1016/j.tecto.2010.09.008, 501, 1-16.
42. Nicault, A., Alleaume, S., Brewer, S., Carrer, M., Nola, P., Gutierrez, E., Edouard, J.L., Urbinati, C., Guiot, J., 2008. Mediterranean drought fluctuation during the last 500 years based on tree-ring data. Climate Dynamics, 31 (2-3), 227-245, erratum p.247.
43. Nicault, A., Guiot, J., Edouard, J.L., Brewer, S., 2010. Preserving long-term fluctuations in standardisation of tree-ring series by the adaptative regional growth curve (ARGC). Dendrochronologia, 28, 1-12. doi:10.1016/j.dendro.2008.02.003

44. Pagès D, Rose J, Conrod S, Cuiné S, Carrier P, Heulin T, Achouak W, 2008. Heavy metal tolerance in *Stenotrophomonas maltophilia*. *PLoS ONE*, 3(2):e1539.
45. Paillisson, A, Levasseur A, Gouret P, Callebaut I, Bontoux M, Pontarotti P, Monget P., 2006. Bromodomain testis-specific protein Brdt is also expressed in mouse ovocyte and evolves faster than its three ubiquitously expressed paralogs Brd2, -3 and -4., *Genomics*. 89: 215-223.
46. Provansal M, Villiet J, Eyrolle F, Raccasi G, Gurriaran R, Antonelli C (2010) High-resolution evaluation of recent bank accretion rate of the managed Rhone: A case study by multi-proxy approach. *Geomorphology* 117:287-297.
47. Restoux G., E Silva D., Sagnard F., Torre F., Klein E., Fady B., 2008. Life at the margin: the mating system of Mediterranean conifers. *Web Ecology* 8: 94–102.
48. Rifflart R., Carrel G., Le Coarer Y. et Nguyen The B., 2009. Spatio-temporal patterns of fish assemblages in a large regulated alluvial river. *Freshwater Biology*, 54 : 1544-1559.
49. Robert-Peillard F, E. Palacio-Barco, Y. Dusal, B. Coulomb, J.-L. Boudenne. Alternative spectrofluorimetric determination of Short-Chain Volatile Fatty Acids in aqueous samples. *Analytical Chemistry*, 81(8), 3063-3070, 2009.
50. Rose J, Auffan M, Zeyons O, Decome L, Thill A, Orsiere T, Masion A, Labille J, Achouak W, Spalla O, Demeo M, Flank AM, Botta A, Wiesner MR, Bottero JY, 2006. Interactions between manufactured nanoparticles and individual cells. *Geochimica Et Cosmochimica Acta*, 70: A539-A539.
51. Royer B, Soares BC, Barlow PN, Bontrop RE, Roll P, Robaglia-Schlupp A, Blancher A, Levasseur A, Cau P, Pontarotti P, Szepeowski P., 2007. Molecular evolution of the human SRPX2 gene that causes brain disorders of the rolandic and sylvian speech areas. , *BMC Genetics*. 8:72.
52. Thabeet A, Vennetier M, Gadbin-Henry C, Denelle N, Roux M, Caraglio Y, Vila B (2009) Response of *Pinus sylvestris* L. to recent climatic events in the French Mediterranean region. *Trees-Structure and Function* 23:843-853.
53. Vennetier M, Ripert C, Maille E, Blanc L, Torre F, Roche P, Tatoni T, Brun JJ (2008) A new bioclimatic model calibrated with vegetation for Mediterranean forest areas. *Annals of Forest Science* 65:10.
54. Vennetier, M. et al. (49 co-authors from IRISE project) 2010. Repeated droughts and fires mutually increase their impact on forest ecosystems. *International Forestry Review*, 12 (5): 57-58
55. Vennetier M., Girard F., Ouarmim S, Thaabet A, Ripert C., Caraglio Y., Cailleret M, 2010. Climate change impact on tree architecture may contribute to forest decline and dieback. *International Forestry Review*, 12 (5): 45

56. Vergnoux A, Dupuy N, Giuliano M, Vennetier M, Theraulaz F, Doumenq P (2009) Fire impact on forest soils evaluated using near-infrared spectroscopy and multivariate calibration. *Talanta* 80:39-47.
57. Vila B, Vennetier M, Ripert C, Chandioux O, Liang E, Guibal F, Torre F (2008) Has global change induced divergent trends in radial growth of *Pinus sylvestris* and *Pinus halepensis* at their bioclimatic limit? The example of the Sainte-Baume forest (south-east France). *Annals of Forest Science* 65:9.
58. Villeneuve M., Martini R., Bellon H., Réhault J-P., Cornée J-J., Bellier O., Burhannuddin S., Hinschberger F., Honthaas Ch., Monnier Ch., 2010. Dispersed blocks from Gondwana to Eastern Indonesia since Triassic time. *Gondwana Research*. 18, 420-437.
59. Wang R, N. Korboulewsky, P. Prudent, M. Domeizel, C. Rolando, G. Bonin. Feasibility of using an organic substrate in a wetland system treating sewage sludge: Impact of plant species. *Bioresource Technology*, 101(1), 51-57, 2010.
60. Wang RY, N. Korboulewsky, P. Prudent, V. Baldy, G. Bonin. Can vertical-flow wetland systems treat high concentrated sludge from a food industry? A mesocosm experiment testing three plant species. *Ecological Engineering*, 35(2), 230-237, 2009.

PUBLICATIONS NON REFERENCIÉES ET CHAPITRES D'OUVRAGES

1. Auffan, M.; Flahaut, E.; Thill, A.; Mouchet, F.; Carrière, M.; Gauthier, L.; Achouak, W., 2010. Ecotoxicologie: réactivité vis-à-vis des organismes vivants. In Nanotoxicologie et Nanoéthique, Eds. Belin: Paris,; Vol. 4.
2. Bellier O., 2011. Forewords : Risque sismique dans les zones à sismicité modérée : de l'aléa à la vulnérabilité. In press to Spec. Vol. Provence 2009, Edt. O. Bellier, Bull. Soc. Géol. France, 182, 4.
3. Bellier O., 2011. Introduction to the publication of the Special Session of the Geological Society of France entitled “PROVENCE 2009” and focused on the “Seismic risk in regions of moderate seismicity: from Hazard to vulnerability”. In press to Spec. Vol. Provence 2009, Edt. O. Bellier, Bull. Soc. Géol. France, 182, 4.
4. Bonnet-Vidal E. et Bellier, O., 2009. « Séismes en Provence : du tremblement de terre de 1909 à la Provence sismique d'aujourd'hui. (préface de X. Le Pichon). Edition Campanile, France Région Edition Diffusion. 95 pp.
5. Cushing, M., S. Baize, S. Nechtschein, O. Bellier, O. Scotti, D Baumont, 2011. Contexte sismotectonique régional : géologie, sismotectonique et sismicité historique de la région de Manosque- Chapitre 1 de l'ouvrage collectif : Le tremblement de terre de 1708 à Manosque : apport d'une étude historique et archéologique à l'évaluation du risque sismique en Moyenne Durance, Ouvrage collectif, Groupe APS edt., 279 pp.

6. Fady B., Médail F., 2008. Pour une gestion évolutive des forêts méditerranéennes face aux changements climatiques. *Forêt Méditerranéenne* 24(2), 247-248.
7. MARCO A., BERTAUDIERE-MONTES V., DESCHAMPS-COTTIN M., MAUFFREY J.-F., VENNETIER M., DUTOIT T. - 2010. Diversité de la flore cultivée des jardins privatifs du parc naturel régional du Luberon: le cas de la commune de Lauris (Vaucluse). *Courrier scientifique du Parc naturel régional du Luberon*, (9) 38-57.
8. VENNETIER M., THABEET A., GADBIN-HENRY C., RIPERT C., PREVOSTO B., BORGNIET L., VILA B., GUIBAL F., RAY R., BURON V. et ZANETTI C. 2008. Conséquences de la canicule et de la sécheresse 2003 sur les pins méditerranéens. In Landman G. et Landeau S.(ed.) "Sécheresse et canicule 2003. Contribution des dispositifs de suivi et d'observation des forêts à la quantification des effets immédiats et à court terme". ECOFOR, QUAE, Paris
9. Vila B, Vennetier M, Ripert C, Chandioux, O, Liang EY, Guibal F, Torre F., 2008. Les changements globaux ont-ils déjà induit des changements de croissance en forêt méditerranéenne ? Le cas du pin d'Alep et du pin sylvestre de la Sainte-Baume. *Forêt Méditerranéenne*, T. XXIX, n°2, pp. 161-166.
10. ZANETTI Caroline, GUIBAL Frédéric, BRUGIER Maxime, VENNETIER Michel, MERIAUX Patrice, PROVENSAL Mireille - 2010. Caractérisation de la croissance racinaire d'essences ligneuses implantées sur des digues fluviales. *EDYTEM* (11): 115-122
11. Zanetti C, Vennetier M, Meriaux P, Royet P, Dufour S, Provansal M, 2008. L'enracinement des arbres dans les digues en remblai : étude des systèmes racinaires et impacts sur la sécurité des ouvrages. *Ingénierie EAT*, n°53, pp. 49-67.