

2012

2012-Publications dans une revue internationale avec comité de lecture

1. ABOULAICH A., TILMACIU C.M., MERLIN C., MERCIER C., GUILLOTEAU G., MEDJAHDIG., SCHNEIDER R. (2012) Physicochemical properties and cellular toxicity of (poly)aminoalkoxysilanes-functionalized ZnO quantum dots. *Nanotechnology*, 23: 335101.
2. AUCLERC A., NAHMANI J., ARAN D., BALDY V., CALLOT H., GERS C., IORIO E., LAPIED E., LASSAUCE A., PASQUET A., SPELDA J., ROSSI J.-P., GUÉROLD F. (2012) Changes in soil macroinvertebrate communities following liming of acidified forested catchments in the Vosges Mountains (North-eastern France). *Ecological Engineering*, 42: 260-269.
3. BERTRAND O., MANSUY-HUAULT L., MONTARGES-PELLETIER E., LOSSON B., ARGANT J., RUFFALDI P., MICHELS R., FAURE P., GARNIER E., KRAEMER C., DEZILEAU L. (2012) Impact of human activities over the last 700 years: A multidisciplinary approach on a sediment core from a pond, Lorraine, France. *Organic Geochemistry*, 50: 1-10.
4. BOITEUX V., DAUCHY X., ROSIN C., MUNOZ JF. (2012) National Screening Study on 10 Perfluorinated Compounds in Raw and Treated Tap Water in France. *Archives of Environmental Contamination and Toxicology*, 63: 1-12.
5. CLIVOT H., PAGNOUT C., ARAN D., DEVIN S., BAUDA P., POUPIN P., GUÉROLD F. (2012) Changes in soil bacterial communities following liming of acidified forests. *Applied Soil Ecology*, 59: 116-123.
6. COLAS F., BAUDOIN J.-M., DANGER M., USSEGLIO-POLATERA P., WAGNER P., DEVIN S. (2012) Synergistic impacts of sediment contamination and dam presence on river' functioning. *Freshwater Biology*, 58: 320-336.
7. CORNUT J., CLIVOT H., CHAUVET E., ELGER A., PAGNOUT C., GUÉROLD F. (2012) Effect of acidification on leaf litter decomposition in benthic and hyporheic zones of woodland streams. *Water Research*, 46: 6430-6444.
8. DAUCHY X., BOITEUX V., ROSIN C., MUNOZ JF. (2012) Relationship Between Industrial Discharges and Contamination of Raw Water Resources by Perfluorinated Compounds. Part I: Case Study of a Fluoropolymer Manufacturing Plant. *Archives of Environmental Contamination and Toxicology*, 89: 525-530.
9. DAUCHY X., BOITEUX V., ROSIN C., MUNOZ JF. (2012) Relationship Between Industrial Discharges and Contamination of Raw Water Resources by Perfluorinated Compounds. Part II: Case Study of a Fluorotelomer Polymer Manufacturing Plant. *Archives of Environmental Contamination and Toxicology*, 89: 531-536.
10. GISMONDI E., BEISEL J.-N., COSSU-LEGUILLE C. (2012) Influence of gender and season on reduced glutathione concentration and energy reserves of *Gammarus roeseli*. *Environmental Research*, 118: 47-52.
11. GISMONDI E., BEISEL J.-N., COSSU-LEGUILLE C. (2012) *Polymorphus minutus* affects antitoxic responses of *Gammarus roeseli* exposed to cadmium. *PLoS ONE*, 7 (7): e41475.
12. GISMONDI E., COSSU-LEGUILLE C., BEISEL J.-N. (2012) Acanthocephalan parasites: help or burden in gammarid amphipods exposed to cadmium? *Ecotoxicology*, 21: 1188-1193.
13. GISMONDI E., COSSU-LEGUILLE C., BEISEL J.-N. (2012) Does the acanthocephalan parasite *Polymorphus minutus* modify the energy reserves and antitoxic defences of its intermediate host *Gammarus roeseli*? *Parasitology*, 139: 1054-1061.
14. GISMONDI E., RIGAUD T., BEISEL J.-N., COSSU-LEGUILLE C. (2012) Effect of multiple parasitic infections on the tolerance to pollutant contamination. *PLoS ONE*, 7 (7): e41950.
15. GISMONDI E., RIGAUD T., BEISEL J.-N., COSSU-LEGUILLE C. (2012) Microsporidia parasites disrupt the responses to cadmium exposure in a Gammarid. *Environmental Pollution*, 160: 17-23.
16. JOMINI S., LABILLE J., BAUDA P., PAGNOUT C. (2012) Modifications of the bacterial reverse mutation test reveals mutagenicity of TiO₂ nanoparticles and byproducts from a sunscreen TiO₂-based nanocomposite. *Toxicology Letters*, 215: 54-61.

17. LAZARTIGUES A., BANAS D., FEIDT C., BRUN-BELLUT J., THOMAS M. (2012) Pesticide pressure and fish farming in barrage pond in North-eastern France. Part I: Site characterization and water quality. *Environmental Science and Pollution Research*, 19: 2802-2812.
18. MINGUEZ L., BOICHÉ A., SRODA S., MASTITSKY S., BRULÉ N., BOUQUEREL J., GIAMBÉRINI L. (2012) Cross-effects of nickel contamination and parasitism on zebra mussel physiology. *Ecotoxicology*, 21 (2): 538-547.
19. MINGUEZ L., BURONFOSSE T., BEISEL J.-N., GIAMBÉRINI L. (2012) Parasitism can be a confounding factor in assessing the response of zebra mussels to water contamination. *Environmental Pollution*, 162: 234-240.
20. MINGUEZ L., BURONFOSSE T., GIAMBÉRINI L. (2012) Different host exploitation strategies in two zebra mussel-trematode systems: adjustments of host life history traits. *PLoS ONE*, 7 (3): e30429.
21. MINGUEZ L., GIAMBÉRINI L. (2012) Seasonal dynamics of zebra mussel parasite populations. *Aquatic Biology*, 15: 145-151.
22. MINGUEZ L., LANG A.-S., BEISEL J.-N., GIAMBÉRINI L. (2012) Is there a link between shell morphology and parasites of zebra mussels? *Journal of Invertebrate Pathology*, 109: 229-234.
23. MOLLOY D.P., GIAMBÉRINI L., STOKES N.A., BURRESON E.M., OVCHARENKO M.A. (2012) Haplosporidium raabei n. sp. (Haplosporidia): A parasite of zebra mussels, Dreissena polymorpha (Pallas, 1771). *Parasitology*, 139: 463-477.
24. PAGNOUT C., JOMINI S., DADHWAL M., CAILLET C., THOMAS F., BAUDA P. (2012) Role of electrostatic interactions in the toxicity of titanium dioxide nanoparticles toward Escherichia coli. *Colloids and Surfaces. B. Biointerfaces*, 92: 315-321.
25. RIZVI H., GAUQUELIN T., GERS C., GUÉROLD F., PAGNOUT C., BALDY V. (2012) Calcium-magnesium liming of acidified forested catchments: effects on humus morphology and functioning. *Applied Soil Ecology*, 62: 81-87.
26. THOMAS M., LAZARTIGUES L., BANAS D., BRUN-BELLUT J., FEIDT C. (2012) Organochlorine pesticides and polychlorinated biphenyls in sediments and fish from freshwater cultured fish ponds in different agricultural contexts in north-eastern France. *Ecotoxicology and Environmental Safety*, 77, 35-44.
27. TISSIER A., DENIS M., HARTEMAN P., GASSILLOU B. (2012) Development of a Rapid and Sensitive Method Combining a Cellulose Ester Microfilter and a Real-Time Quantitative PCR Assay To Detect Campylobacter jejuni and Campylobacter coli in 20 Liters of Drinking Water or Low-Turbidity Waters. *Applied and Environmental Microbiology*, 78(3): 839-845.
28. TIXIER G., FELTEN V., GUÉROLD F. (2012) Population characteristics and feeding habits of Siphonoperla torrentium subject to varying prey, predator, and competitor abundance across an acidification gradient. *Freshwater Science*, 31 (1): 191-204.

2012-Publications dans une revue nationale avec comité de lecture

1. CARTIER T., BAERT A., CABILLIC P.J., CASELLAS C., CREPPY E., MONTIEL A., PIGNATELLI B., ROSIN C., SAUVANT-ROCHAT M.P., SEUX R., JOYEUX M. (2012) Évaluation des risques sanitaires liés aux situations de contamination physico-chimique des eaux de boisson : le cas des ions perchlorate et bromate. *Environnement, risques et santé*, 11: 316-32.
2. ROSIN C., PY J.S., ROMLINGER N., PALLEZ C., COLIN A., VO-VAN REGNAULT G., MUNOZ J.F. (2012) Campagne nationale d'analyse des résidus de médicaments dans les eaux de consommation : aboutissement d'une démarche globale. *Environnement, risques et santé*, 11(4): 287-293.