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In alphabetical order:

- Accinelli, C., W. C. Koskinen, and M. J. Sadowsky. "Influence of Cry1ac Toxin on Mineralization and Bioavailability of Glyphosate in Soil." [In eng]. *J Agric Food Chem* 54, no. 1 (Jan 11 2006): 164-9.
- Accinelli, C., W. C. Koskinen, J. D. Seebinger, A. Vicari, and M. J. Sadowsky. "Effects of Incorporated Corn Residues on Glyphosate Mineralization and Sorption in Soil." [In English]. *Journal of Agricultural and Food Chemistry* 53, no. 10 (May 18 2005): 4110-17.
- Accinelli, C., C. Scrpanti, A. Vicari, and P. Catizone. "Influence of Insecticidal Toxins from *Bacillus Thuringiensis* Subsp Kurstaki on the Degradation of Glyphosate and Glufosinate-Ammonium in Soil Samples." [In English]. *Agriculture Ecosystems & Environment* 103, no. 3 (Aug 2004): 497-507.
- Adams, G. W., T. Smith, and J. D. Miller. "The Absence of Glyphosate Residues in Wet Soil and the Adjacent Watercourse after a Forestry Application in New Brunswick." [In English]. *Northern Journal of Applied Forestry* 24, no. 3 (Sep 2007): 230-32.
- Albers, Christian N., Gary T. Banta, Poul Erik Hansen, and Ole S. Jacobsen. "The Influence of Organic Matter on Sorption and Fate of Glyphosate in Soil – Comparing Different Soils and Humic Substances." *Environmental Pollution* 157, no. 10 (2009): 2865-70.
- Alexa, E., M. Bragea, R. Sumalan, A. Lazureanu, M. Negrea, and S. Iancu. "Dynamic of Glyphosate Mineralization in Different Soil Types." *Romanian Agricultural Research* 26 (2009 2009): 57-60.
- Alexa, E., A. Lazureanu, S. Alda, M. Negrea, and O. Iordanescu. "Researches Regarding Extractable Glyphosate Residues from Different Soils." [In eng]. *Commun Agric Appl Biol Sci* 73, no. 4 (2008): 861-9.
- Alexa, E., R. Micu, M. Negrea, R. Sumalan, and O. Iordanescu. "Research on the Weed Control Degree and Glyphosate Soil Biodegradation in Apple Plantations (Pioneer Variety)." *Analele Universitatii din Oradea, Fascicula Biologie* 17, no. 1 (2010 2010): 5-8.
- Alexa, E., R. Sumalan, and M. Negrea. "Researches Regarding the Microorganisms Influence on Glyphosate Biodegradation." *Journal of Agroalimentary Processes and Technologies* 14, no. 2 (2008): 498-502.
- Allitto, Lionel, Yves Coquet, Pierre Benoit, Djilali Heddadj, and Enrique Barriuso. "Tillage Management Effects on Pesticide Fate in Soils. A Review." *Agron. Sustain. Dev.* 30 (2010): 367-400.
- Al-Rajab, A. J., S. Amellal, and M. Schiavon. "Sorption and Leaching of C-14-Glyphosate in Agricultural Soils." [In English]. *Agronomy for Sustainable Development* 28, no. 3 (Jul-Sep 2008): 419-28.
- Al-Rajab, A. J., and M. Schiavon. "Degradation of 14c-Glyphosate and Aminomethylphosphonic Acid (Ampa) in Three Agricultural Soils." [In eng]. *J Environ Sci (China)* 22, no. 9 (2010): 1374-80.
- Al-Salamah, I. S. "Simulating the Fate and Transport of Pesticide in Unsaturated Soil: A Case Study with Glyphosate-Isopropylammonium.". In *Geo-Environment: Monitoring, Simulation & Remediation of the Geological Environment.*, edited by J. F. Martin-Deque, Brebbia, C. A., Godfrey, A. E., Diaz de Teran, J. R., 275-90. Southampton, UK: WIT Press, 2004.
- Andrade, G.J.M. de, and C. A. Rosolem. "Uptake of Manganese in Rr Soybean under Glifosate Application." *Revista Brasileira de Ciência do Solo* 35, no. 3 (2011): 961-68.
- Andréa, M.M., S. Papini, T.B. Peres, S. Bazarin, V.L.T. Savoy, and M.B. Matallo. "Glyphosate: Influence on the Soil Bioactivity and Action of Earthworms on Its Soil Dissipation. ." *Planta Daninha* 22 (2004): 95-100.
- Andréa, Mara Mercedes de, Terezinha Bonanho Peres, Luiz Carlos Luchini, Sheila Bazarin, Solange Papini, Marcus Barifouse Matallo, and Vera Lucia Tedeschi Savoy. "Influence of

Repeated Applications of Glyphosate on Its Persistence and Soil Bioactivity." *Pesquisa Agropecuaria Brasileira* 38 (2003): 1329-35.

- Arantes, S.A. do C.M., A. Lavorenti, and V.L. Tornisielo. "Effect of Liming on the Mineralization of (14)C-Glyphosate in Soils." *Ciencia e Agrotecnologia* 35, no. 2 (Mar-Apr 2011): 234-41.
- Aronsson, H., M. Stenberg, and B. Ulén. "Leaching of N, P and Glyphosate from Two Soils after Herbicide Treatment and Incorporation of a Ryegrass Catch Crop." *Soil Use and Management* 27, no. 1 (2011): 54-68.
- Assalin, M. R., S. G. De Moraes, S. C. Queiroz, V. L. Ferracini, and N. Duran. "Studies on Degradation of Glyphosate by Several Oxidative Chemical Processes: Ozonation, Photolysis and Heterogeneous Photocatalysis." [In eng]. *J Environ Sci Health B* 45, no. 1 (Jan 2010): 89-94.
- Augustin, B. "Urban Areas - Source of Pesticide-Contamination of Surface Water?" Paper presented at the Second International Symposium on plant health in urban horticulture, Berlin, Germany, 27-29 August, 2003 2003.
- Augustin, Bernd, and Helmut Seibel. "Herbicide Treatment of Urban Areas - a Possible Source of Surface Water Contamination." *Gesunde Pflanzen* 54, no. 7 (2002): 235-40.
- Autio, S., K. Siimes, P. Laitinen, S. Ramo, S. Oinonen, and L. Eronen. "Adsorption of Sugar Beet Herbicides to Finnish Soils." [In English]. *Chemosphere* 55, no. 2 (Apr 2004): 215-26.
- Bailey, W. A., D. H. Poston, H. P. Wilson, and T. E. Hines. "Glyphosate Interactions with Manganese." [In English]. *Weed Technology* 16, no. 4 (Oct-Dec 2002): 792-99.
- Balci, Beytul, Mehmet A. Oturan, Nihal Oturan, and Ignasi Sirés. "Decontamination of Aqueous Glyphosate, (Aminomethyl)Phosphonic Acid, and Glufosinate Solutions by Electro-Fenton-Like Process with Mn<sup>2+</sup> as the Catalyst." *Journal of Agricultural and Food Chemistry* 57, no. 11 (2009/06/10 2009): 4888-94.
- Barja, B. C., and M. dos Santos Afonso. "Aminomethylphosphonic Acid and Glyphosate Adsorption onto Goethite: A Comparative Study." *Environmental Science & Technology* 39, no. 2 (2005): 585-92.
- Barrett, K. A., and M. B. McBride. "Oxidative Degradation of Glyphosate and Aminomethylphosphonate by Manganese Oxide." [In English]. *Environmental Science & Technology* 39, no. 23 (Dec 1 2005): 9223-28.
- Barrett, K. A., and M. B. McBride. "Phosphate and Glyphosate Mobility in Soil Columns Amended with Roundup." [In English]. *Soil Science* 172, no. 1 (Jan 2007): 17-26.
- Barrett, K. A., and M. B. McBride. "Trace Element Mobilization in Soils by Glyphosate." [In English]. *Soil Science Society of America Journal* 70, no. 6 (Nov-Dec 2006): 1882-88.
- Basso, C. J., A. L. Santi, F. P. Lamego, and E. Girotto. "Foliar Application of Manganese in Transgenic Soybean Tolerant to Glyphosate." *Ciencia Rural* 41, no. 10 (Oct 2011): 1726-31.
- Battaglin, William, Karen Rice, Michael Focazio, Sue Salmons, and Robert Barry. "The Occurrence of Glyphosate, Atrazine, and Other Pesticides in Vernal Pools and Adjacent Streams in Washington, Dc, Maryland, Iowa, and Wyoming, 2005–2006." *Environmental Monitoring and Assessment* 155, no. 1 (2009): 281-307.
- Battaglin, W. A., D. W. Kolpin, E. A. Scribner, K. M. Kuivila, and M. W. Sandstrom. "Glyphosate, Other Herbicides, and Transformation Products in Midwestern Streams, 2002." [In English]. *Journal of the American Water Resources Association* 41, no. 2 (Apr 2005): 323-32.
- Baun, A., A. Ledin, L. A. Reitzel, P. L. Bjerg, and T. H. Christensen. "Xenobiotic Organic Compounds in Leachates from Ten Danish Msw Landfills - Chemical Analysis and Toxicity Tests." [In English]. *Water Research* 38, no. 18 (Nov 2004): 3845-58.
- Bazot, S., and T. Lebeau. "Simultaneous Mineralization of Glyphosate and Diuron by a Consortium of Three Bacteria as Free- and/or Immobilized-Cells Formulations." [In eng]. *Appl Microbiol Biotechnol* 77, no. 6 (Jan 2008): 1351-8.
- Bellaloui, N., H. K. Abbas, A. M. Gillen, and C. A. Abel. "Effect of Glyphosate-Boron Application on Seed Composition and Nitrogen Metabolism in Glyphosate-Resistant Soybean." [In eng]. *J Agric Food Chem* 57, no. 19 (Oct 14 2009): 9050-6.

- Bellaloui, N., K. N. Reddy, R. M. Zablotowicz, H. K. Abbas, and C. A. Abel. "Effects of Glyphosate Application on Seed Iron and Root Ferric (Iii) Reductase in Soybean Cultivars." [In English]. *Journal of Agricultural and Food Chemistry* 57, no. 20 (Oct 28 2009): 9569-74.
- Bellaloui, N., K. N. Reddy, R. M. Zablotowicz, and A. Mengistu. "Simulated Glyphosate Drift Influences Nitrate Assimilation and Nitrogen Fixation in Non-Glyphosate-Resistant Soybean." [In eng]. *J Agric Food Chem* 54, no. 9 (May 3 2006): 3357-64.
- Bellaloui, N., R. M. Zablotowicz, K. N. Reddy, and C. A. Abel. "Nitrogen Metabolism and Seed Composition as Influenced by Glyphosate Application in Glyphosate-Resistant Soybean." [In eng]. *J Agric Food Chem* 56, no. 8 (Apr 23 2008): 2765-72.
- Benetoli, L.O.B, H. de Santana, C.E.A. Carneiro, D.A.M. Zaia, A.S. Ferreira, A. Paesano Jr., and C.T.B. V. Zaia. "Adsorption of Glyphosate in a Forest Soil: A Study Using Mössbauer and Ft-Ir Spectroscopy." *Química Nova* 33, no. 4 (2010): 855-59.
- Bergström, Lars, Elisabet Börjesson, and John Stenström. "Laboratory and Lysimeter Studies of Glyphosate and Aminomethylphosphonic Acid in a Sand and a Clay Soil." *J. Environ. Qual.* 40, no. 1 (2011/1 2011): 98-108.
- Bernards, M. L., K. D. Thelen, D. Penner, R. B. Muthukumaran, and J. L. McCracken. "Glyphosate Interaction with Manganese in Tank Mixtures and Its Effect on Glyphosate Absorption and Translocation." [In English]. *Weed Science* 53, no. 6 (Nov-Dec 2005): 787-94.
- Birch, H., P. S. Mikkelsen, J. K. Jensen, and H. C. Holten Lutzhoft. "Micropollutants in Stormwater Runoff and Combined Sewer Overflow in the Copenhagen Area, Denmark." *Water Science and Technology* 64, no. 2 (2011 2011): 485-93.
- Bonfleur, E. J., A. Lavorenti, and V.L. Tornisielo. "Mineralization and Degradation of Glyphosate and Atrazine Applied in Combination in a Brazilian Oxisol." *Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes* 46, no. 1 (2011 2011): 69-75.
- Borggaard, O.K. "Does Phosphate Affect Soil Sorption and Degradation of Glyphosate? – a Review." *Trends in Soil & Plant Sciences Journal* 2, no. 1 (2011): 16-27.
- Borggaard, O. K., and A. L. Gimsing. "Fate of Glyphosate in Soil and the Possibility of Leaching to Ground and Surface Waters: A Review." [In eng]. *Pest Manag Sci* 64, no. 4 (Apr 2008): 441-56.
- Bott, S., U. Lebender, D.J. Yoon, T. Tesfamariam, V. Romheld, and G. Neumann. "Evidence for Glyphosate Damage of Winter Wheat Depending on Waiting-Times after Pre-Crop Glyphosate Application and Density of Desiccated Weed Plants under Field and Experimental Conditions." Paper presented at the The Proceedings of the International Plant Nutrition Colloquium XVI., UC Davis, 2009.
- Bott, S., T. Tesfamariam, H. Candan, I. Cakmak, V. Roemheld, and G. Neumann. "Glyphosate-Induced Impairment of Plant Growth and Micronutrient Status in Glyphosate-Resistant Soybean (*Glycine Max L.*). " [In English]. *Plant and Soil* 312, no. 1-2 (Nov 2008): 185-94.
- Bott, S., T. Tesfamariam, A. Kania, B. Eman, N. Aslan, V. Roemheld, and G. Neumann. "Phytotoxicity of Glyphosate Soil Residues Re-Mobilised by Phosphate Fertilisation." *Plant and Soil* 342, no. 1-2 (May 2011): 249-63.
- Botta, F., G. Lavison, G. Couturier, F. Alliot, E. Moreau-Guigon, N. Fauchon, B. Guery, M. Chevreuil, and H. Blanchoud. "Transfer of Glyphosate and Its Degrade Ampa to Surface Waters through Urban Sewerage Systems." [In eng]. *Chemosphere* 77, no. 1 (Sep 2009): 133-9.
- Boucherie, C., C. Lecarpentier, N. Fauchon, M. Djafer, and V. Heim. ""Ozone" and "Gac Filtration" Synergy for Removal of Emerging Micropollutants in a Drinking Water Treatment Plant?". *Water Science and Technology: Water Supply* 10, no. 5 (2010 2010): 860-68.
- Bozkaya, B., C. Daines, A. Brunel, J.C. Schrotter, and P. Breant. "Treatment of Nanofiltration Membrane Concentrates: Organic Micropollutant and Nom Removal." . *Desalination and Water Treatment* 9 (2009): 36-42.
- Bressy, A., M. C. Gromaire, C. Lorgeoux, M. Saad, F. Leroy, and G. Chebbo. "Towards the Determination of an Optimal Scale for Stormwater Quality Management: Micropollutants in a Small Residential Catchment." *Water Research* (2012).

- Brosillon, S., D. Wolbert, M. Lemasse, P. Roche, and A. Mehrsheikh. "Chlorination Kinetics of Glyphosate and Its by-Products: Modeling Approach." [In eng]. Water Res 40, no. 11 (Jun 2006): 2113-24.
- Brown, C. D., and W. van Beinum. "Pesticide Transport Via Sub-Surface Drains in Europe." [In English]. Environmental Pollution 157, no. 12 (Dec 2009): 3314-24.
- Byer, J. D., J. Struger, P. Klawunn, A. Todd, and E. Sverko. "Low Cost Monitoring of Glyphosate in Surface Waters Using the Elisa Method: An Evaluation." [In eng]. Environ Sci Technol 42, no. 16 (Aug 15 2008): 6052-7.
- Caceres-Jensen, L., J. Gan, M. Baez, R. Fuentes, and M. Escudey. "Adsorption of Glyphosate on Variable-Charge, Volcanic Ash-Derived Soils." [In eng]. J Environ Qual 38, no. 4 (Jul-Aug 2009): 1449-57.
- Cakmak, Ismail, Atilla Yazici, Yusuf Tutus, and Levent Ozturk. "Glyphosate Reduced Seed and Leaf Concentrations of Calcium, Manganese, Magnesium, and Iron in Non-Glyphosate Resistant Soybean." European Journal of Agronomy 31, no. 3 (2009): 114-19.
- Candela, L., J. Alvarez-Benedi, M. T. C. de Melo, and P. S. C. Rao. "Laboratory Studies on Glyphosate Transport in Soils of the Maresme Area near Barcelona, Spain: Transport Model Parameter Estimation." [In English]. Geoderma 140, no. 1-2 (Jun 15 2007): 8-16.
- Candela, L., J. Caballero, and D. Ronen. "Glyphosate Transport through Weathered Granite Soils under Irrigated and Non-Irrigated Conditions--Barcelona, Spain." [In eng]. Sci Total Environ 408, no. 12 (May 15 2010): 2509-16.
- Castro, J. V., M. C. R. Peralba, and M. A. Z. Ayub. "Biodegradation of the Herbicide Glyphosate by Filamentous Fungi in Platform Shaker and Batch Bioreactor." [In English]. Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes 42, no. 8 (Nov 2007): 883-86.
- Cerdeira, A. L., and S. O. Duke. "The Current Status and Environmental Impacts of Glyphosate-Resistant Crops: A Review." [In eng]. J Environ Qual 35, no. 5 (Sep-Oct 2006): 1633-58.
- Cerdeira, Antonio L. , and Stephen O. Duke. "Effects of Glyphosate-Resistant Crop Cultivation on Soil and Water Quality." GM Crops 1, no. 1 (2010): 1-9.
- Cerdeira, A. L., D. L. P. Gazziero, S. O. Duke, M. B. Matallo, and C. A. Spadotto. "Review of Potential Environmental Impacts of Transgenic Glyphosate-Resistant Soybean in Brazil." [In English]. Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes 42, no. 5 (2007): 539-49.
- Chang, F.C., M.F. Simcik, and P.D. Capel. "Occurrence and Fate of the Herbicide Glyphosate and Its Degradate Aminomethylphosphonic Acid in the Atmosphere." Environmental Toxicology and Chemistry 30, no. 3 (Mar 2011): 548-55.
- Colombo, S.M., and J.C. Masini. "Developing a Fluorimetric Sequential Injection Methodology to Study Adsorption/Desorption of Glyphosate on Soil and Sediment Samples." Microchemical Journal 98, no. 2 (Jul 2011): 260-66.
- Comoretto, L., B. Arfib, and S. Chiron. "Pesticides in the Rhone River Delta (France): Basic Data for a Field-Based Exposure Assessment." [In English]. Science of the Total Environment 380, no. 1-3 (Jul 15 2007): 124-32.
- Cornish, P. S., and S. Burgin. "Residual Effects of Glyphosate Herbicide in Ecological Restoration." [In English]. Restoration Ecology 13, no. 4 (Dec 2005): 695-702.
- Correia, N. M., and J. C. Durigan. "Glyphosate and Foliar Fertilization Using Manganese in Transgenic Soybean Crop." Planta Daninha 27, no. 4 (2009 2009): 721-27.
- Coupe, R.H., S.J. Kalkhoff, P.D. Capel, and C. Gregoire. "Fate and Transport of Glyphosate and Aminomethylphosphonic Acid in Surface Waters of Agricultural Basins." Pest management science 68, no. 1 (2012-Jan 2012): 16-30.
- Coutinho, C. F. B., and L. H. Mazo. "Metallic Complexes with Glyphosate: A Review." [In Portuguese]. Quimica Nova 28, no. 6 (Nov-Dec 2005): 1038-45.
- Crowe, Allan S., Natalie Leclerc, John Struger, and Susan Brown. "Application of a Glyphosate-Based Herbicide to Phragmites Australis: Impact on Groundwater and near-Shore Lake Water at a Beach on Georgian Bay." Journal of Great Lakes Research 37, no. 4 (2011): 616-24.

- da Cruz, L. H., H. de Santana, C. T. B. V. Zaia, and D. A. M. Zaia. "Adsorption of Glyphosate on Clays and Soils from Parana State: Effect of Ph and Phosphate Competitive Adsorption of Phosphate." [In English]. *Brazilian Archives of Biology and Technology* 50, no. 3 (May 2007): 385-94.
- da Silva, M.D., M.d.C.R. Peralba, and M..LT. Mattos. "Determination of Glyphosate and Aminomethylphosphonic Acid in Supervficial Waters of Arroioi Passo Do Pilao." *Pesticidas: R. Ecotoxicol e Meio Ambiente*, Curitiba 13 (2003): 19-28.
- Damonte, M., R. M. Torres Sánchez, and M. dos Santos Afonso. "Some Aspects of the Glyphosate Adsorption on Montmorillonite and Its Calcined Form." *Applied Clay Science* 36, no. 1–3 (2007): 86-94.
- Davis, A. M., P. J. Thorburn, S. E. Lewis, Z. T. Bainbridge, S. J. Attard, R. Milla, and J. E. Brodie. "Environmental Impacts of Irrigated Sugarcane Production: Herbicide Run-Off Dynamics from Farms and Associated Drainage Systems." *Agriculture, Ecosystems & Environment* (2012).
- De Araujo, A.S.F., R.T.R. Monteiro, R.B. Abakerli, and L.S. De Souza. "Biodegradation of Glyphosate in Two Brazilian Soils." *Pesticidas: R. Ecotoxicol. E. Meio Ambiente* 13 (2003): 157-64.
- de Armas, E. D., R. T. R. Monteiro, P. M. Antunes, M. A. P. F. dos Santos, P. B. de Camargo, and R. B. Abakerli. "Spatial-Temporal Diagnostic of Herbicide Occurrence in Surface Waters and Sediments of Corumbatai River and Main Affluents." [In English]. *Quimica Nova* 30, no. 5 (Sep-Oct 2007): 1119-27.
- de Jonge, H., L. W. de Jonge, O. H. Jacobsen, T. Yamaguchi, and P. Moldrup. "Glyphosate Sorption in Soils of Different Ph and Phosphorus Content." [In English]. *Soil Science* 166, no. 4 (Apr 2001): 230-38.
- de Paz, J. M., and J. L. Rubio. "Application of a Gis-Af/Rf Model to Assess the Risk of Herbicide Leaching in a Citrus-Growing Area of the Valencia Community, Spain." [In eng]. *Sci Total Environ* 371, no. 1-3 (Dec 1 2006): 44-54.
- de Roffignac, Laure, Philippe Cattan, Julie Mailloux, David Herzog, and Fabrice Le Bellec. "Efficiency of a Bagasse Substrate in a Biological Bed System for the Degradation of Glyphosate, Malathion and Lambda-Cyhalothrin under Tropical Climate Conditions." *Pest Management Science* 64, no. 12 (2008): 1303-13.
- de Santana, Henrique, Luís R. M. Toni, Luís O. de B. Benetoli, Cássia T. B. V. Zaia, Maurilio Rosa Jr, and Dimas A. M. Zaia. "Effect in Glyphosate Adsorption on Clays and Soils Heated and Characterization by Ft-Ir Spectroscopy." *Geoderma* 136, no. 3-4 (2006): 738-50.
- Dideriksen, K., and S. L. S. Stipp. "The Adsorption of Glyphosate and Phosphate to Goethite: A Molecular-Scale Atomic Force Microscopy Study." [In English]. *Geochimica Et Cosmochimica Acta* 67, no. 18 (Sep 2003): 3313-27.
- Dion, H. M., J. B. Harsh, and H. H. Hill. "Competitive Sorption between Glyphosate and Inorganic Phosphate on Clay Minerals and Low Organic Matter Soils." [In English]. *Journal of Radioanalytical and Nuclear Chemistry* 249, no. 2 (Aug 2001): 385-90.
- Doublet, J., L. Mamy, and E. Barriuso. "Delayed Degradation in Soil of Foliar Herbicides Glyphosate and Sulcotrione Previously Absorbed by Plants: Consequences on Herbicide Fate and Risk Assessment." [In eng]. *Chemosphere* 77, no. 4 (Oct 2009): 582-9.
- Dousset, S., C. Chauvin, P. Durlet, and M. Thevenot. "Transfer of Hexazinone and Glyphosate through Undisturbed Soil Columns in Soils under Christmas Tree Cultivation." [In English]. *Chemosphere* 57, no. 4 (Oct 2004): 265-72.
- Dousset, S., A. R. Jacobson, J. B. Dessagne, N. Guichard, P. C. Baveye, and F. Andreux. "Facilitated Transport of Diuron and Glyphosate in High Copper Vineyard Soils." [In eng]. *Environ Sci Technol* 41, no. 23 (Dec 1 2007): 8056-61.
- Druart, C., M. Millet, R. Scheifler, O. Delhomme, and A. de Vaufleury. "Glyphosate and Glufosinate-Based Herbicides: Fate in Soil, Transfer to, and Effects on Land Snails." *Journal of Soils and Sediments* 11, no. 8 (Dec 2011): 1373-84.
- Duke, S. O., and S. B. Powles. "Glyphosate: A Once-in-a-Century Herbicide." [In eng]. *Pest Manag Sci* 64, no. 4 (Apr 2008): 319-25.

- Eberbach, P. L., and L. A. Douglas. "Persistence of Glyphosate in a Sandy Loam." *Soil Biology and Biochemistry* 15, no. 4 (1983 1983): 485-88.
- Echavia, G. R. M., F. Matzusawa, and N. Negishi. "Photocatalytic Degradation of Organophosphate and Phosphonoglycine Pesticides Using Tio2 Immobilized on Silica Gel." [In English]. *Chemosphere* 76, no. 5 (Jul 2009): 595-600.
- Eker, S., L. Ozturk, A. Yazici, B. Erenoglu, V. Romheld, and I. Cakmak. "Foliar-Applied Glyphosate Substantially Reduced Uptake and Transport of Iron and Manganese in Sunflower (*Helianthus Annuus* L.) Plants." [In English]. *Journal of Agricultural and Food Chemistry* 54, no. 26 (Dec 27 2006): 10019-25.
- Eriksson, E., A. Baun, P. S. Mikkelsen, and A. Ledin. "Risk Assessment of Xenobiotics in Stormwater Discharged to Harrestrup Angstrom, Denmark." [In English]. *Desalination* 215, no. 1-3 (Sep 5 2007): 187-97.
- Eriksson, E., A. Baun, L. Scholes, A. Ledin, S. Ahlman, M. Revitt, C. Noutsopoulos, and P. S. Mikkelsen. "Selected Stormwater Priority Pollutants - a European Perspective." [In English]. *Science of the Total Environment* 383, no. 1-3 (Sep 20 2007): 41-51.
- Ermakova, I. T., N. I. Kiseleva, T. Shushkova, M. Zharikov, G. A. Zharikov, and A. A. Leontievsky. "Bioremediation of Glyphosate-Contaminated Soils." [In eng]. *Appl Microbiol Biotechnol* 88, no. 2 (Sep 2010): 585-94.
- Ermakova, I. T., T. V. Shushkova, and A. A. Leont'evskii. "[Microbial Degradation of Organophosphonates by Soil Bacteria]." [In rus]. *Mikrobiologiya* 77, no. 5 (Sep-Oct 2008): 689-95.
- Farenhorst, A., D. A. R. McQueen, I. Saiyed, C. Hilderbrand, S. Li, D. A. Lobb, P. Messing, et al. "Variations in Soil Properties and Herbicide Sorption Coefficients with Depth in Relation to Przm (Pesticide Root Zone Model) Calculations." [In English]. *Geoderma* 150, no. 3-4 (May 15 2009): 267-77.
- Farenhorst, A., S. K. Papiernik, I. Saiyed, P. Messing, K. D. Stephens, J. A. Schumacher, D. A. Lobb, et al. "Herbicide Sorption Coefficients in Relation to Soil Properties and Terrain Attributes on a Cultivated Prairie." [In eng]. *J Environ Qual* 37, no. 3 (May-Jun 2008): 1201-8.
- Fobbe, R., B. Kuhlmann, J. Nolte, G. Preuß, C. Skark, and N. Zullei-Seibert. "Polar Herbicides and Metabolites." In *Organic Pollutants in the Water Cycle*, edited by T. Reemtsma and M. Jekel. 121-53. Weinheim: Wiley-VCH Verlag GmbH & Co. KGaA. doi: 10.1002/352760877X.ch6, 2006.
- Fomsgaard, I. S., N. H. Spliid, and G. Felding. "Leaching of Pesticides through Normal-Tillage and Low-Tillage Soil - a Lysimeter Study. II. Glyphosate." [In English]. *Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes* 38, no. 1 (2003): 19-35.
- Getenga, Z. M., and F. O. Kengara. "Mineralization of Glyphosate in Compost-Amended Soil under Controlled Conditions." [In English]. *Bulletin of Environmental Contamination and Toxicology* 72, no. 2 (Feb 2004): 266-75.
- Ghafoor, A., N. J. Jarvis, T. Thierfelder, and J. Stenstrom. "Measurements and Modeling of Pesticide Persistence in Soil at the Catchment Scale." *Science of The Total Environment* 409, no. 10 (Apr 15 2011): 1900-08.
- Ghanem, A., P. Bados, A. R. Estaun, L. F. de Alencastro, S. Taibi, J. Einhorn, and C. Mougin. "Concentrations and Specific Loads of Glyphosate, Diuron, Atrazine, Nonylphenol and Metabolites Thereof in French Urban Sewage Sludge." [In eng]. *Chemosphere* 69, no. 9 (Nov 2007): 1368-73.
- Ghanem, A., J. Dubroca, V. Chaplain, and C. Mougin. "Fate of Herbicides and Nonylphenol in Soil-Plant-Water Systems Amended with Contaminated Sewage Sludge." [In English]. *Environmental Chemistry Letters* 4, no. 2 (Jun 2006): 63-67.
- Gimsing, A. L., and O. K. Borggaard. "Competitive Adsorption and Desorption of Glyphosate and Phosphate on Clay Silicates and Oxides." [In English]. *Clay Minerals* 37, no. 3 (Sep 2002): 509-15.
- Gimsing, A. L., and O. K. Borggaard.. "Effect of Phosphate on the Adsorption of Glyphosate on Soils, Clay Minerals and Oxides." [In English]. *International Journal of Environmental Analytical Chemistry* 82, no. 8-9 (2002): 545-52.

- Gimsing, Anne Louise, and Ole Kragholm Borggaard. "Phosphate and Glyphosate Adsorption by Hematite and Ferrihydrite and Comparison with Other Variable-Charge Minerals." *Clays and Clay Minerals* 55, no. 1 (2007): 108-14.
- Gimsing, A. L., O. K. Borggaard, and M. Bang. "Influence of Soil Composition on Adsorption of Glyphosate and Phosphate by Contrasting Danish Surface Soils." [In English]. *European Journal of Soil Science* 55, no. 1 (Mar 2004): 183-91.
- Gimsing, A. L., O. K. Borggaard, O. S. Jacobsen, J. Aamand, and J. Sorensen. "Chemical and Microbiological Soil Characteristics Controlling Glyphosate Mineralisation in Danish Surface Soils." [In English]. *Applied Soil Ecology* 27, no. 3 (Nov 2004): 233-42.
- Gimsing, A. L., O. K. Borggaard, and P. Sestoft. "Modeling the Kinetics of the Competitive Adsorption and Desorption of Glyphosate and Phosphate on Goethite and Gibbsite and in Soils." [In English]. *Environmental Science & Technology* 38, no. 6 (Mar 15 2004): 1718-22.
- Gimsing, A. L., C. Szilas, and O. K. Borggaard. "Sorption of Glyphosate and Phosphate by Variable-Charge Tropical Soils from Tanzania." [In English]. *Geoderma* 138, no. 1-2 (Feb 15 2007): 127-32.
- Gjettermann, B., C. T. Petersen, S. Hansen, C. B. Koch, and M. Styczen. "Kinetics of Glyphosate Desorption from Mobilized Soil Particles." *Soil Science Society of America Journal* 75, no. 2 (Mar-Apr 2011): 434-43.
- Gjettermann, B., C. T. Petersen, C. B. Koch, N. H. Spliid, C. Grøn, D. L. Baun, and M. Styczen. "Particle-Facilitated Pesticide Leaching from Differently Structured Soil Monoliths." *J. Environ. Qual.* 38, no. 6 (2009/11 2009): 2382-93.
- Gjettermann, B., M. Styczen, C. B. Koch, S. Hansen, and C. T. Petersen. "Evaluation of Sampling Strategies for Pesticides in a Macroporous Sandy Loam Soil." *Soil & Sediment Contamination* 20, no. 8 (2011 2011): 986-94.
- Gregoire, Caroline, Sylvain Payraudeau, and Nicolas Domange. "Use and Fate of 17 Pesticides Applied on a Vineyard Catchment." *International Journal of Environmental Analytical Chemistry* 90, no. 3-6 (2010/03/15 2010): 406-20.
- Grey, T. L., W. K. Vencill, T. M. Webster, and A. S. Culpepper. "Herbicide Dissipation from Low Density Polyethylene Mulch." [In English]. *Weed Science* 57, no. 3 (May-Jun 2009): 351-56.
- Grundmann, Sabine, Ulrike Dörfler, Bernhard Ruth, Christine Loos, Tobias Wagner, Heidrun Karl, Jean Munch, and Reiner Schroll. "Mineralization and Transfer Processes of 14c-Labeled Pesticides in Outdoor Lysimeters." *Water, Air, & Soil Pollution: Focus* 8, no. 2 (2008): 177-85.
- Grunewald, K., W. Schmidt, C. Unger, and G. Hanschmann. "Behavior of Glyphosate and Aminomethylphosphonic Acid (Ampa) in Soils and Water of Reservoir Radeburg II Catchment (Saxony/Germany)." [In English]. *Journal of Plant Nutrition and Soil Science-Zeitschrift Fur Pflanzernahrung Und Bodenkunde* 164, no. 1 (Feb 2001): 65-70.
- Haarstad, K., and G. H. Ludvigsen. "Ten Years of Pesticide Monitoring in Norwegian Ground Water." [In English]. *Ground Water Monitoring and Remediation* 27, no. 3 (Sum 2007): 75-89.
- Haney, R. L., S. A. Senseman, and F. M. Hons. "Effect of Roundup Ultra on Microbial Activity and Biomass from Selected Soils." [In English]. *Journal of Environmental Quality* 31, no. 3 (May-Jun 2002): 730-35.
- Haney, R. L., S. A. Senseman, L. J. Krutz, and F. M. Hons. "Soil Carbon and Nitrogen Mineralization as Affected by Atrazine and Glyphosate." [In English]. *Biology and Fertility of Soils* 35, no. 1 (Feb 2002): 35-40.
- Hanke, I., I. Wittmer, S. Bischofberger, C. Stamm, and H. Singer. "Relevance of Urban Glyphosate Use for Surface Water Quality." [In eng]. *Chemosphere* 81, no. 3 (Sep 2010): 422-9.
- Henry, R. S., K. A. Wise, and W. G. Johnson. "Glyphosate's Effect Upon Mineral Accumulation in Soybean." *Crop Management*, no. October (2011 2011).
- Huang, X. J., T. Pedersen, M. Fischer, R. White, and T. M. Young. "Herbicide Runoff Along Highways. 1. Field Observations." [In English]. *Environmental Science & Technology* 38, no. 12 (Jun 15 2004): 3263-71.
- Huang, X. J., T. Pedersen, M. Fischer, R. White, and T. M. Young. "Herbicide Runoff Along Highways. 2. Sorption Control." [In English]. *Environmental Science & Technology* 38, no. 12 (Jun 15 2004): 3272-78.

- Jacobsen, Carsten S., Peter van der Keur, Bo V. Iversen, Per Rosenberg, Heidi C. Barlebo, Søren Torp, Henrik Vosgerau, et al. "Variation of Mcpa, Metribuzine, Methyltriazine-Amine and Glyphosate Degradation, Sorption, Mineralization and Leaching in Different Soil Horizons." *Environmental Pollution* 156, no. 3 (2008): 794-802.
- Jia, D., C. Zhou, and C. Li. "Adsorption of Glyphosate on Resin Supported by Hydrated Iron Oxide: Equilibrium and Kinetic Studies." *Water Environment Research* 83, no. 9 (2011): 784-90.
- Jolley, V. D., N. C. Hansen, and A. K. Shiffler. "Nutritional and Management Related Interactions with Iron-Deficiency Stress Response Mechanisms." [In English]. *Soil Science and Plant Nutrition* 50, no. 7 (Dec 2004): 973-81.
- Kah, M., and C. D. Brown. "Adsorption of Ionisable Pesticides in Soils." [In English]. *Reviews of Environmental Contamination and Toxicology* 188 (2006): 149-217.
- Kaiser, K. "Preliminary Study of Pesticide Drift into the Maya Mountain Protected Areas of Belize." *Bulletin of Environmental Contamination and Toxicology* 86, no. 1 (Jan 2011): 56-59.
- Karpouzas, D. G., and B. K. Singh. "Microbial Degradation of Organophosphorus Xenobiotics: Metabolic Pathways and Molecular Basis." [In English]. *Advances in Microbial Physiology*, Vol 51 51 (2006): 119-85.
- Kempenaar, C., L. A. P. Lotz, C. L. M. van der Horst, W. H. J. Beltman, K. J. M. Leemnans, and A. D. Bannink. "Trade Off between Costs and Environmental Effects of Weed Control on Pavements." [In English]. *Crop Protection* 26, no. 3 (Mar 2007): 430-35.
- Keshteli, M. R., M. Farahbakhsh, and G. R. Savaghebi. "Adsorption Behavior of Glyphosate in Some Citrus Garden Soils of Iran." *Electronic Journal of Environmental, Agricultural and Food Chemistry* 10, no. 2 (2011 2011): 1943-51.
- Kilbride, K. M., and F. L. Paveglio. "Long-Term Fate of Glyphosate Associated with Repeated Rodeo Applications to Control Smooth Cordgrass (*Spartina Alterniflora*) in Willapa Bay, Washington." [In English]. *Archives of Environmental Contamination and Toxicology* 40, no. 2 (Feb 2001): 179-83.
- Kim, B. J., YoungSik Kim, BoMin Kim, A. G. Hay, M. B. McBride, Y. S. Kim, and B. M. Kim. "Effect of Soil Metal Contamination on Glyphosate Mineralization: Role of Zinc in the Mineralization Rates of Two Copper-Spiked Mineral Soils." *Environmental Toxicology and Chemistry* 30, no. 3 (2011 2011): 596-601.
- Kirmser, E. M. D., D. O. Martire, M. C. Gonzalez, and J. A. Rosso. "Degradation of the Herbicides Clomazone, Paraquat, and Glyphosate by Thermally Activated Peroxydisulfate." [In English]. *Journal of Agricultural and Food Chemistry* 58, no. 24 (Dec 22 2010): 12858-62.
- Kjaer, J., V. Ernsten, O.H. Jacobsen, N. Hansen, L. W. de Jonge, and P. Olsen. "Transport Modes and Pathways of the Strongly Sorbing Pesticides Glyphosate and Pendimethalin through Structured Drained Soils." *Chemosphere* 84, no. 4 (Jul 2011): 471-79.
- Kjaer, J., V. Ernsten, L.W. de Jonge, and P. Olsen. "Reply to Comments on "Transport Modes and Pathways of the Strongly Sorbing Pesticides Glyphosate and Pendimethalin through Structured Drained Soils" by Petersen, C.T. And Hansen, S. *Chemosphere* 84 (4) (2011) 471-479." *Chemosphere* 85, no. 9 (Nov 2011): 1539-41.
- Kjaer, J., P. Olsen, M. Ullum, and R. Grant. "Leaching of Glyphosate and Amino-Methylphosphonic Acid from Danish Agricultural Field Sites." [In English]. *Journal of Environmental Quality* 34, no. 2 (Mar-Apr 2005): 608-20.
- Kleter, G. A., C. Harris, G. Stephenson, and J. Unsworth. "Comparison of Herbicide Regimes and the Associated Potential Environmental Effects of Glyphosate-Resistant Crops Versus What They Replace in Europe." [In eng]. *Pest Manag Sci* 64, no. 4 (Apr 2008): 479-88.
- Klier, Christine, Sabine Grundmann, Sebastian Gayler, and Eckart Priesack. "Modelling the Environmental Fate of the Herbicide Glyphosate in Soil Lysimeters." *Water, Air, & Soil Pollution: Focus* 8, no. 2 (2008): 187-207.
- Klimek, M., B. Lejczak, P. Kafarski, and G. Forlani. "Metabolism of the Phosphonate Herbicide Glyphosate by a Non-Nitrate-Utilizing Strain of *Penicillium Chrysogenum*." [In English]. *Pest Management Science* 57, no. 9 (Sep 2001): 815-21.

- Kogan, M., A. Metz, and R. Ortega. "Adsorption of Glyphosate in Chilean Soils and Its Relationship with Unoccupied Phosphate Binding Sites." [In English]. *Pesquisa Agropecuaria Brasileira* 38, no. 4 (Apr 2003): 513-19.
- Kolpin, Dana, William Battaglin, Kathleen Conn, Edward Furlong, Susan Glassmeyer, Steven Kalkhoff, Michael Meyer, and Douglas Schnoebelen. "Occurrence of Transformation Products in the Environment." In *Transformation Products of Synthetic Chemicals in the Environment*. 83-100, 2009.
- Kolpin, D. K., D. J. Schnoebelen, and E. M. Thurman. "Degradates Provide Insight to Spatial and Temporal Trends of Herbicides in Ground Water." [In English]. *Ground Water* 42, no. 4 (Jul-Aug 2004): 601-08.
- Kolpin, D. W., E. M. Thurman, E. A. Lee, M. T. Meyer, E. T. Furlong, and S. T. Glassmeyer. "Urban Contributions of Glyphosate and Its Degradate Ampa to Streams in the United States." [In eng]. *Sci Total Environ* 354, no. 2-3 (Feb 1 2006): 191-7.
- Krause, B., A. Weigert, S. Heise, and N. Litz. "Organic Trace Substances Relevant for Drinking Water – Assessing Their Elimination through Bank Filtration." In *TRACE Report, 2nd Phase-Experimental Study: Prepared by UBA for Berlin Centre of Competence for Water (Kompetenzzentrum Wasser Berlin gGmbH)*, Berlin, Germany. Available at: [http://www.kompetenz-wasser.de/fileadmin/user\\_upload/pdf/forschung/TRACE...](http://www.kompetenz-wasser.de/fileadmin/user_upload/pdf/forschung/TRACE...), 2009.
- Kremer, R. J., N. E. Means, and S. Kim. "Glyphosate Affects Soybean Root Exudation and Rhizosphere Micro-Organisms." [In English]. *International Journal of Environmental Analytical Chemistry* 85, no. 15 (Dec 20 2005): 1165-74.
- Laitinen, Pirkko, Sari Rämö, Unto Nikunen, Lauri Jauhainen, Katri Siimes, and Eila Turtola. "Glyphosate and Phosphorus Leaching and Residues in Boreal Sandy Soil." *Plant and Soil* 323, no. 1 (2009): 267-83.
- Laitinen, P., S. Ramo, and K. Siimes. "Glyphosate Translocation from Plants to Soil - Does This Constitute a Significant Proportion of Residues in Soil?" [In English]. *Plant and Soil* 300, no. 1-2 (Nov 2007): 51-60.
- Laitinen, P., K. Siimes, L. Eronen, S. Ramo, L. Welling, S. Oinonen, L. Mattsoff, and M. Ruohonen-Lehto. "Fate of the Herbicides Glyphosate, Glufosinate-Ammonium, Phenmedipham, Ethofumesate and Metamitron in Two Finnish Arable Soils." [In eng]. *Pest Manag Sci* 62, no. 6 (Jun 2006): 473-91.
- Laitinen, P., K. Siimes, S. Ramo, L. Jauhainen, L. Eronen, S. Oinonen, and H. Hartikainen. "Effects of Soil Phosphorus Status on Environmental Risk Assessment of Glyphosate and Glufosinate-Ammonium." [In eng]. *J Environ Qual* 37, no. 3 (May-Jun 2008): 830-8.
- Lamprea, Katherine, and Véronique Ruban. "Characterization of Atmospheric Deposition and Runoff Water in a Small Suburban Catchment." *Environmental Technology* 32, no. 10 (2011/07/01 2011): 1141-49.
- Lamprea, K., and V. Ruban. "Pollutant Concentrations and Fluxes in Both Stormwater and Wastewater at the Outlet of Two Urban Watersheds in Nantes (France)." *Urban Water Journal* 8, no. 4 (2011/08/01 2011): 219-31.
- Lancaster, S. H., E. B. Hollister, S. A. Senseman, and T. J. Gentry. "Effects of Repeated Glyphosate Applications on Soil Microbial Community Composition and the Mineralization of Glyphosate." [In eng]. *Pest Manag Sci* 66, no. 1 (Jan 2010): 59-64.
- Landry, D., S. Dousset, J. C. Fournier, and F. Andreux. "Leaching of Glyphosate and Ampa under Two Soil Management Practices in Burgundy Vineyards (Vosne-Romane'e, 21-France)." [In English]. *Environmental Pollution* 138, no. 2 (Nov 2005): 191-200.
- Lane, M., N. Lorenz, J. Saxena, C. Ramsier, and R. P. Dick. "Microbial Activity, Community Structure and Potassium Dynamics in Rhizosphere Soil of Soybean Plants Treated with Glyphosate." *Pedobiologia* 55, no. 3 (2012): 153-59.
- Lashermes, G., E. Barriuso, and S. Houot. "Dissipation Pathways of Organic Pollutants During the Composting of Organic Wastes." *Chemosphere* (2012).
- Lashermes, G., S. Houot, and E. Barriuso. "Sorption and Mineralization of Organic Pollutants During Different Stages of Composting." *Chemosphere* 79, no. 4 (2010): 455-62.

- Lexow, C., I. Morell, and A. G. Bonorino. Sorption Glyphosate Mobility in Piedmont Soils of the Australes Range in the South of Buenos Aires Province. *Groundwater and Human Development*. edited by E. Hernandez M. A. Usunoff E. Bocanegra. Vol. 6,2005.
- Lin, C.H., R.N. Lerch, K.W. Goyne, and H.E. Garrett. "Reducing Herbicides and Veterinary Antibiotics Losses from Agroecosystems Using Vegetative Buffers." *Journal of Environmental Quality* 40, no. 3 (May 2011): 791-99.
- Litz, N. T., A. Weigert, B. Krause, S. Heise, and G. Gruetzmacher. "Comparative Studies on the Retardation and Reduction of Glyphosate During Subsurface Passage." *Water Research* 45, no. 10 (May 2011): 3047-54.
- Ludvigsen, G. H., and O. Lode. "Results from "Jova" - the Agricultural and Environmental Monitoring Program of Pesticides in Norway 1995-1999." [In English]. *Fresenius Environmental Bulletin* 10, no. 5 (May 2001): 470-74.
- Ludvigsen, Gro Hege, and Olav Lode. "Trends of Pesticides in Norwegian Streams and Rivers (1996-2000)." *International Journal of Environmental Analytical Chemistry* 82, no. 8-9 (2002/01/01 2002): 631-43.
- Machado, A. F. L., L. R. Ferreira, L.D. Tuffi Santos, J. B. Santos, F. A. Ferreira, and R. G. Viana. "Absorption, Translocation and Radicular Glyphosate Exudation in Eucalyptus Sp. Clones." *Planta Daninha* 27, no. 3 (2009 2009): 549-54.
- Magga, Z., D. N. Tzovolou, M. A. Theodoropoulou, T. Dalkarani, K. Pikios, and C. D. Tsakiroglou. "Soil Column Experiments Used as a Means to Assess Transport, Sorption, and Biodegradation of Pesticides in Groundwater." [In eng]. *J Environ Sci Health B* 43, no. 8 (Nov 2008): 732-41.
- Magga, Z., D.N. Tzovolou, M.A. Theodoropoulou, and C.D. Tsakiroglou. "Combining Experimental Techniques with Non-Linear Numerical Models to Assess the Sorption of Pesticides on Soils." *Journal of Contaminant Hydrology* 129/130 (2012): 62-69.
- Maillard, E., S. Payraudeau, E. Faivre, C. Gregoire, S. Gangloff, and G. Imfeld. "Removal of Pesticide Mixtures in a Stormwater Wetland Collecting Runoff from a Vineyard Catchment." *Science of The Total Environment* 409, no. 11 (May 1 2011): 2317-24.
- Maillard, E., S. Payraudeau, F. Ortiz, and G. Imfeld. "Removal of Dissolved Pesticide Mixtures by a Stormwater Wetland Receiving Runoff from a Vineyard Catchment: An Inter-Annual Comparison." *International Journal of Environmental Analytical Chemistry* (2012): 1-16.
- Major, W. W., C. E. Grue, S. C. Gardner, and J. M. Grassley. "Concentrations of Glyphosate and Ampa in Sediment Following Operational Applications of Rodeo (R) to Control Smooth Cordgrass in Willapa Bay, Washington, USA." [In English]. *Bulletin of Environmental Contamination and Toxicology* 71, no. 5 (Nov 2003): 912-18.
- Malaguerra, F., H.J. Albrechtsen, and P. J. Binning. "Contamination of Drinking Water Supply Wells by Pesticides from Surface Water Resources." In *Proceedings of the Xviii International Conference on Water Resources*, edited by J. Carrera. 746-56. CIMNE, Barcelona: CMWR, 2010.
- Malaguerra, F., H. J. Albrechtsen, L. Thorling, and P. J. Binning. "Pesticides in Water Supply Wells in Zealand, Denmark: A Statistical Analysis." *Science of The Total Environment* 414 (2012): 433-44.
- Malone, R. W., M. J. Shipitalo, R. D. Wauchope, and H. Sumner. "Residual and Contact Herbicide Transport through Field Lysimeters Via Preferential Flow." [In English]. *Journal of Environmental Quality* 33, no. 6 (Nov-Dec 2004): 2141-48.
- Mamy, L., and E. Barriuso. "Desorption and Time-Dependent Sorption of Herbicides in Soils." *European Journal of Soil Science* 58, no. 1 (2007): 174-87.
- Mamy, L., and E. Barriuso.. "Glyphosate Adsorption in Soils Compared to Herbicides Replaced with the Introduction of Glyphosate Resistant Crops." [In English]. *Chemosphere* 61, no. 6 (Nov 2005): 844-55.
- Mamy, L., E. Barriuso, and B. Gabrielle. "Environmental Fate of Herbicides Trifluralin, Metazachlor, Metamitron and Sulcotrione Compared with That of Glyphosate, a Substitute Broad Spectrum Herbicide for Different Glyphosate-Resistant Crops." [In English]. *Pest Management Science* 61, no. 9 (Sep 2005): 905-16.

- Mamy, L., B. Gabrielle, and E. Barriuso. "Comparative Environmental Impacts of Glyphosate and Conventional Herbicides When Used with Glyphosate-Tolerant and Non-Tolerant Crops." [In eng]. *Environ Pollut* 158, no. 10 (Oct 2010): 3172-8.
- Mamy L, Gabrielle B, Barriuso E. "Measurement and Modelling of Glyphosate Fate Compared with That of Herbicides Replaced as a Result of the Introduction of Glyphosate-Resistant Oilseed Rape." [In eng]. *Pest Manag Sci* 64, no. 3 (Mar 2008): 262-75.
- Manassero, A., C. Passalia, A. C. Negro, A. E. Cassano, and C. S. Zalazar. "Glyphosate Degradation in Water Employing the H<sub>2</sub>O<sub>2</sub>/Uvc Process." [In eng]. *Water Research* 44, no. 13 (Jul 2010): 3875-82.
- Mattos, M.L.T., M. Do C.R. Peralba, S.L.P. Dias, F. Prata, and L. Camargo. "Environmental Monitoring of Glyphosate and Its Metabolite (Aminomethylphosphonic Acid) in Tillage Water of Irrigated Rice." *Pesticidas: R.Ecotoxicol. e Meio Ambiente*, Curitiba 12 (2002): 145-54.
- Mehrsheikh, A., M. Bleke, S. Brosillon, A. Laplanche, and P. Roche. "Investigation of the Mechanism of Chlorination of Glyphosate and Glycine in Water." [In English]. *Water Research* 40, no. 16 (Sep 2006): 3003-14.
- Messing, P.G., A. Farenhorst, D.T. Waite, D. A. R. McQueen, J.F. Sproull, D. A. Humphries, and L. L. Thompson. "Predicting Wetland Contamination from Atmospheric Deposition Measurements of Pesticides in the Canadian Prairie Pothole Region." *Atmospheric Environment* 45, no. 39 (Dec 2011): 7227-34.
- Moneke, A. N., G. N. Okpala, and C. U. Anyanwu. "Biodegradation of Glyphosate Herbicide in Vitro Using Bacterial Isolates from Four Rice Fields." *African Journal of Biotechnology* 9, no. 26 (Jun 28 2010): 4067-74.
- Morillo, E., T. Undabeytia, C. Maqueda, and A. Ramos. "The Effect of Dissolved Glyphosate Upon the Sorption of Copper by Three Selected Soils." [In English]. *Chemosphere* 47, no. 7 (May 2002): 747-52.
- Motavalli, P. P., R. J. Kremer, M. Fang, and N. E. Means. "Impact of Genetically Modified Crops and Their Management on Soil Microbially Mediated Plant Nutrient Transformations." [In English]. *Journal of Environmental Quality* 33, no. 3 (May-Jun 2004): 816-24.
- Neumann, G, S Kohls, E Landsberg, KS Stock-Oliveira Souza, T Yamada, and V Romheld. "Relevance of Glyphosate Transfer to Non-Target Plants Via the Rhizosphere." *Journal of Plant Diseases and Protection*, no. Special Issue 20 (2006): 963-69.
- Newton, M., E. C. Cole, and I. J. Tinsley. "Dissipation of Four Forest-Use Herbicides at High Latitudes." [In eng]. *Environ Sci Pollut Res Int* 15, no. 7 (Oct 2008): 573-83.
- Nourouzi, M.M., T. G. Chuah, and T.S.Y. Choong. "Adsorption of Glyphosate onto Activated Carbon Derived from Waste Newspaper." *Desalination and Water Treatment* 24, no. 1-3 (Dec 2010): 321-26.
- Nourouzi, M. M., T. G. Chuah, T. S. Y. Choong, and C. J. Lim. "Glyphosate Utilization as the Source of Carbon: Isolation and Identification of New Bacteria." *E-Journal of Chemistry* 8, no. 4 (2011 2011): 1582-87.
- Nowack, B. "Aminopolyphosphonate Removal During Wastewater Treatment." *Water Research* 36 (2002): 4636-42.
- Olesen, C. F., and N. Cedergreen. "Glyphosate Uncouples Gas Exchange and Chlorophyll Fluorescence." [In eng]. *Pest Manag Sci* 66, no. 5 (May 2010): 536-42.
- Orcaray, L., A. Zulet, A. Zabalza, and M. Royuela. "Impairment of Carbon Metabolism Induced by the Herbicide Glyphosate." *Journal of plant physiology* 169, no. 1 (2012-Jan-1 2012): 27-33.
- Ozturk, L., A. Yazici, S. Eker, O. Gokmen, V. Rolmheld, and I. Cakmak. "Glyphosate Inhibition of Ferric Reductase Activity in Iron Deficient Sunflower Roots." [In English]. *New Phytologist* 177, no. 4 (2008): 899-906.
- Pappas, E. A., and D. R. Smith. "Effects of Dredging an Agricultural Drainage Ditch on Water Column Herbicide Concentration, as Predicted by Fluvarium Techniques." [In English]. *Journal of Soil and Water Conservation* 62, no. 4 (Jul-Aug 2007): 262-68.

- Peruzzo, P. J., A. A. Porta, and A. E. Ronco. "Levels of Glyphosate in Surface Waters, Sediments and Soils Associated with Direct Sowing Soybean Cultivation in North Pampasic Region of Argentina." [In eng]. Environ Pollut 156, no. 1 (Nov 2008): 61-6.
- Pesce, S., C. Fajon, C. Bardot, F. Bonnemoy, C. Portelli, and J. Bohatier. "Longitudinal Changes in Microbial Planktonic Communities of a French River in Relation to Pesticide and Nutrient Inputs." [In eng]. Aquat Toxicol 86, no. 3 (Feb 18 2008): 352-60.
- Peschka, M., J. Müller, T. Knepper, and P. Seel. "Trends in Pesticide Transport into the River Rhine." In The Rhine. 155-75, 2006.
- Pessagno, R.C., M. dos Santos Afonso, and R.M. Torres Sanchez. "N-(Phosphonomethyl) Glycine Interactions with Soils." J. Argent. Chem. Soc. 93, no. 4-6 (2005): 97-108.
- Pessagno, R. C., R. A. T. Sanchez, and M. D. Afonso. "Glyphosate Behavior at Soil and Mineral-Water Interfaces." [In English]. Environmental Pollution 153, no. 1 (May 2008): 53-59.
- Petersen, C.T., and S. Hansen. "Comments on "Transport Modes and Pathways of the Strongly Sorbing Pesticides Glyphosate and Pendimethalin through Structured Drained Soils" by J. Kjær, V. Ernsten, O.H. Jacobsen, N. Hansen, L.W. De Jonge, P. Olsen [Chemosphere 84(4) (2011) 471–479]." Chemosphere 85, no. 9 (2011): 1538.
- Pizzul, L., M. D. Castillo, and J. Stenstrom. "Degradation of Glyphosate and Other Pesticides by Ligninolytic Enzymes." [In English]. Biodegradation 20, no. 6 (Nov 2009): 751-59.
- Prata, Fábio , Vanessa Camponez do Brasil Cardinali, Arquimedes Lavorenti, Valdemar Luiz Tornisielo, and Jussara Borges Regitano. "Glyphosate Sorption and Desorption in Soils with Distinct Phosphorus Levels." Scientia Agricola 60, no. 1 (2003): 175-80.
- Prata, F., A. Lavorenti, J. B. Regitano, H. Vereecken, V. L. Tornisielo, and A. Pelissari. "Glyphosate Behavior in a Rhodic Oxisol under No-Till and Conventional Agricultural Systems." [In English]. Revista Brasileira De Ciencia Do Solo 29, no. 1 (Jan-Feb 2005): 61-69.
- Puertolas, L., J. Damasio, C. Barata, A. M. Soares, and N. Prat. "Evaluation of Side-Effects of Glyphosate Mediated Control of Giant Reed (*Arundo Donax*) on the Structure and Function of a Nearby Mediterranean River Ecosystem." [In eng]. Environ Res 110, no. 6 (Aug 2010): 556-64.
- Quaghebeur, D., B. De Smet, E. De Wulf, and W. Steurbaut. "Pesticides in Rainwater in Flanders, Belgium: Results from the Monitoring Program 1997-2001." [In English]. Journal of Environmental Monitoring 6, no. 3 (Mar 2004): 182-90.
- Queiroz, G.M.P, M.R. da Silva, R. J. Ferraz Bianco, A. Pinheiro, and V. Kaufmann. "Glyphosate Transport in Runoff and Leaching Waters in Agricultural Soil." Química Nova 34, no. 2 (2011 2011): 190-95.
- Rampoldi, E.A., S. Hang, and E. Barriuso. "The Fate of Glyphosate in Crop Residues." Soil Science Society of America Journal 75, no. 2 (Mar-Apr 2011): 553-59.
- Ramwell, C. T., A. I. J. Heather, and A. J. Shepherd. "Herbicide Loss Following Application to a Railway." [In English]. Pest Management Science 60, no. 6 (Jun 2004): 556-64.
- Ramwell CT, Heather AI, Shepherd AJ. "Herbicide Loss Following Application to a Roadside." [In English]. Pest Management Science 58, no. 7 (Jul 2002): 695-701.
- Reddy, K. N., N. Bellaloui, and R. M. Zablotowicz. "Glyphosate Effect on Shikimate, Nitrate Reductase Activity, Yield, and Seed Composition in Corn." [In eng]. J Agric Food Chem 58, no. 6 (Mar 24 2010): 3646-50.
- Reimer, M., A. Farenhorst, and J. Gaultier. "Effect of Manure on Glyphosate and Trifluralin Mineralization in Soil." [In English]. Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes 40, no. 4 (2005): 605-17.
- Rosolem, C.A., G.J.M. Andrade, I.P. Lisboa, and S.M. Zoca. "Manganese Uptake and Redistribution in Soybeans as Affected by Glyphosate." In The Proceedings of the International Plant Nutrition Colloquium Xvi, Department of Plant Sciences, University of California-Davis. Retrieved From: [Http://Escholarship.Org/Uc/Item/3f53794z](http://Escholarship.Org/Uc/Item/3f53794z). 2009.
- Rosolem, C.A., G.J.M. de Andrade, I.P. Lisboa, and S.M. Zoca. "Manganese Uptake and Redistribution in Soybean as Affected by Glyphosate." Revista Brasileira de Ciência do Solo 34, no. 6 (Nov-Dec 2010): 1915-22.

- Ruban, V., F. Larrarte, M. Berthier, L. Favreau, Y. Sauvourel, L. Letellier, M. L. Mosisni, and G. Raimbault. "Quantitative and Qualitative Hydrologic Balance for a Suburban Watershed with a Separate Sewer System (Nantes, France)." [In English]. *Water Science and Technology* 51, no. 2 (2005): 231-38.
- Sanchís, J., L. Kantiani, M. Llorca, F. Rubio, A. Ginebreda, J. Fraile, T. Garrido, and M. Farré. "Determination of Glyphosate in Groundwater Samples Using an Ultrasensitive Immunoassay and Confirmation by on-Line Solid-Phase Extraction Followed by Liquid Chromatography Coupled to Tandem Mass Spectrometry." *Analytical and Bioanalytical Chemistry* (2011): 1-11.
- Santos, J.B., E.A. Ferreira, M.R. Reis, A.A. Silva, C.M.T. Fialho, and M.A.M. Freita. "Effects of Glyphosate Formulations on Transgenic Soybean." [In Portuguese]. *Planta Daninha* 25 (2007): 165-71.
- Sasal, María C., Adrián E. Andriulo, Marcelo G. Wilson, and Silvina I. Portela. "Glyphosate Losses by Drainage and Runoff from Mollisols under No-Till Agriculture." *Información tecnológica* 21, no. 5 (2010): 135-42.
- Schmidt, H., and P. Boas. "Accompanying Experiments on Weed Control on Public Footways Using the Roller Wiper 'Rotofix' ". *Nachrichtenbl. Deut. Pflanzenschutzd.* 58, no. 2 (2006): 46-49.
- Schnurer, Y., P. Persson, M. Nilsson, A. Nordgren, and R. Giesler. "Effects of Surface Sorption on Microbial Degradation of Glyphosate." [In eng]. *Environ Sci Technol* 40, no. 13 (Jul 1 2006): 4145-50.
- Schonherr, J., and L. Schreiber. "Interactions of Calcium Ions with Weakly Acidic Active Ingredients Slow Cuticular Penetration: A Case Study with Glyphosate." [In English]. *Journal of Agricultural and Food Chemistry* 52, no. 21 (Oct 20 2004): 6546-51.
- Schoonenberg Kegel, F. S., B. M. Rietman, and A.R D. Verliefde. "Reverse Osmosis Followed by Activated Carbon Filtration for Efficient Removal of Organic Micropollutants from River Bank Filtrate." *Water Science and Technology* 61, no. 10 (2010 2010): 2603-10.
- Schroll, R., H. H. Becher, U. Dorfler, S. Gayler, H. P. Hartmann, and J. Ruoss. "Quantifying the Effect of Soil Moisture on the Aerobic Microbial Mineralization of Selected Pesticides in Different Soils." [In English]. *Environmental Science & Technology* 40, no. 10 (May 15 2006): 3305-12.
- Screpanti, C., C. Accinelli, A. Vicari, and P. Catizone. "Glyphosate and Glufosinate-Ammonium Runoff from a Corn-Growing Area in Italy." [In English]. *Agronomy for Sustainable Development* 25, no. 3 (Jul-Sep 2005): 407-12.
- Selim, S., A. Klik, B. Grillitsch, M Fürhacker, and A. Mentler. "The Sorption of Glyphosate and Its Metabolite Amino-Methyl-Phosphonic Acid (Ampa) on Biopolymer Chitin." [In German]. ALVA-Jahrestagung (2010): 331-33.
- Serra, A.P., M. E. Marchetti, A.C. da Silva Candido, A.C.R. Dias, and P.J. Christoffoleti. "Glyphosate Influence on Nitrogen, Manganese, Iron, Copper and Zinc Nutritional Efficiency in Glyphosate Resistant Soybean." *Ciencia Rural* 41, no. 1 (Jan 2011): 77-84.
- Shareef, K. A., and S. I. Hamadamin. "Adsorption of Metalaxyl and Glyphosate on Six Erbilian Agricultural Soils." [In English]. *Asian Journal of Chemistry* 21, no. 4 (Apr 2009): 2673-83.
- Sheals, J., S. Sjoberg, and P. Persson. "Adsorption of Glyphosate on Goethite: Molecular Characterization of Surface Complexes." [In English]. *Environmental Science & Technology* 36, no. 14 (Jul 15 2002): 3090-95.
- Shen, Y., J. Ma, X. Zhao, S. Liu, and H. Lan. "Ozonation of Herbicide Glyphosate." [In Chinese]. *Acta Scientiae Circumstantiae* 31, no. 8 (2011 2011): 1647-52.
- Shipitalo, M. J., R. W. Malone, and L. B. Owens. "Impact of Glyphosate-Tolerant Soybean and Glufosinate-Tolerant Corn Production on Herbicide Losses in Surface Runoff." [In eng]. *J Environ Qual* 37, no. 2 (Mar-Apr 2008): 401-8.
- Shipitalo, M.J., and L.B. Owens. "Comparative Losses of Glyphosate and Selected Residual Herbicides in Surface Runoff from Conservation-Tilled Watersheds Planted with Corn or Soybean." *J. Environ. Qual.* 40, no. 4 (2011/7 2011): 1281-89.
- Shushkova, T., I. Ermakova, and A. Leontievsky. "Glyphosate Bioavailability in Soil." [In eng]. *Biodegradation* 21, no. 3 (Jun 2010): 403-10.

- Shushkova, T. V., G. K. Vasilieva, I. T. Ermakova, and A. A. Leontievsky. "Sorption and Microbial Degradation of Glyphosate in Soil Suspensions." *Applied Biochemistry and Microbiology* 45, no. 6 (Nov 2009): 599-603.
- Siimes, K., S. Ramo, L. Welling, U. Nikunen, and P. Laitinen. "Comparison of the Behaviour of Three Herbicides in a Field Experiment under Bare Soil Conditions." [In English]. *Agricultural Water Management* 84, no. 1-2 (Jul 16 2006): 53-64.
- Sillanpaa, M.E.T., T.A. Kurniawan, and W. Lo. "Degradation of Chelating Agents in Aqueous Solution Using Advanced Oxidation Process (Aop)." *Chemosphere* 83, no. 11 (Jun 2011): 1443-60.
- Simonsen, Louise, Inge S. Fomsgaard, Bo Svensmark, and Niels Henrik Spliid. "Fate and Availability of Glyphosate and Ampa in Agricultural Soil." *Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes* 43, no. 5 (2008): 365 - 75.
- Skark, C., N. Zullei-Seibert, U. Willme, U. Gatzemann, and C. Schlett. "Contribution of Non-Agricultural Pesticides to Pesticide Load in Surface Water." [In English]. *Pest Management Science* 60, no. 6 (Jun 2004): 525-30.
- Soltani, N., C. Shropshire, and P. Sikkema. "Short Communication: Influence of Manganese on Efficacy of Glyphosate in Glyphosate-Resistant Soybean." *Canadian Journal of Plant Science* 91, no. 6 (2011/11/01 2011): 1061-64.
- Sorensen, S. R., A. Schultz, O. S. Jacobsen, and J. Aamand. "Sorption, Desorption and Mineralisation of the Herbicides Glyphosate and Mcpa in Samples from Two Danish Soil and Subsurface Profiles." [In eng]. *Environ Pollut* 141, no. 1 (May 2006): 184-94.
- Sorvari, J., and S. Jaakkonen. "Environmental Risks Caused by Pesticides at Forest Nurseries in Finland." *Human and Ecological Risk Assessment* 17, no. 2 (2011 2011): 431-66.
- Spanoghe, P., J. Claeys, L. Pinoy, and W. Steurbaut. "Rainfastness and Adsorption of Herbicides on Hard Surfaces." [In English]. *Pest Management Science* 61, no. 8 (Aug 2005): 793-98.
- Speich, P., and P. Reulet. "Evaluation of Pesticides Transfers in Waters. Case of the Basins Slopes with Vineyards." *Phytoma* 582 (2005): 11-14.
- Spliid, N. H., A. Helweg, and K. Heinrichson. "Leaching and Degradation of 21 Pesticides in a Full-Scale Model Biobed." [In eng]. *Chemosphere* 65, no. 11 (Dec 2006): 2223-32.
- Stadlbauer, H, J Fank, and G Lorbeer. "Lysimeteruntersuchungen Zur Verlagerung Von Glyphosate Im Lichte Der Anwendung Von Pflanzenschutzmitteln Zur Beseitigung Von Winterharten Grundecken. [Lysimeter Investigations on the Removal of Glyphosate in Light of the Application of Pesticides for the Removal of Winter Green Cover.]." Paper presented at the 11. Lysimetertagung, Lysimetrie im Netzwerk der Dynamik von Ökosystemen Raumberg-Gumpenstein, Austria, 5 und 6 April 2005 2005.
- Starrett, S.K., and J. Klein. "Glyphosate Runoff When Applied to Zoysiagrass under Golf Course Fairway Conditions." Chap. 14 In *Fate of Nutrients and Pesticides in the Urban Environment*, edited by M. T. Nett, M. J. Carroll, B. P. Horgan and A. M. Petrovic. *AcS Symposium Series*, 237-53: ACS Symposium Series, Volume 997, 2008.
- Stefanello, F. F., M. E. Marchetti, E. F. da Silva, J. Stefanello, R.B.S. Doreto, and J.O. Novelino. "Effect of Glyphosate and Manganese on Nutrition and Yield of Transgenic Glyphosate-Resistant Soybean." *Semina: Ciencias Agrarias (Londrina)* 32, no. 3 (2011 2011): 1007-14.
- Stenrod, M., M. P. Charnay, P. Benoit, and O. M. Eklo. "Spatial Variability of Glyphosate Mineralization and Soil Microbial Characteristics in Two Norwegian Sandy Loam Soils as Affected by Surface Topographical Features." [In English]. *Soil Biology & Biochemistry* 38, no. 5 (May 2006): 962-71.
- Stenrod, M., O. M. Eklo, M. P. Charnay, and P. Benoit. "Effect of Freezing and Thawing on Microbial Activity and Glyphosate Degradation in Two Norwegian Soils." [In English]. *Pest Management Science* 61, no. 9 (Sep 2005): 887-98.
- Stone, W. W., and J. T. Wilson. "Preferential Flow Estimates to an Agricultural Tile Drain with Implications for Glyphosate Transport." [In eng]. *J Environ Qual* 35, no. 5 (Sep-Oct 2006): 1825-35.

- Strange-Hansen, R., P. E. Holm, O. S. Jacobsen, and C. S. Jacobsen. "Sorption, Mineralization and Mobility of N-(Phosphonomethyl)Glycine (Glyphosate) in Five Different Types of Gravel." [In English]. Pest Management Science 60, no. 6 (Jun 2004): 570-78.
- Struger, J., D. Thompson, B. Staznik, P. Martin, T. McDaniel, and C. Marvin. "Occurrence of Glyphosate in Surface Waters of Southern Ontario." [In eng]. Bull Environ Contam Toxicol 80, no. 4 (Apr 2008): 378-84.
- Styczen, M., C. T. Petersen, C. B. Koch, and B. Gjettermann. "Macroscopic Evidence of Sources of Particles for Facilitated Transport During Intensive Rain." Vadose Zone Journal 10, no. 4 (2011/11 2011): 1151-61.
- Sudol, Teresa, and Teresa Krzysko-Pulicka. "Direct Indicators of Determination of Glyphosate Decomposition by Filamentous Fungi." Physicochemical Problems of Mineral Processing : . 39 (2005): 257-61.
- Suhadolc, M., R. Schroll, A. Hagn, U. Doerfler, M. Schloter, and F. Lobnik. "Single Application of Sewage Sludge - Impact on the Quality of an Alluvial Agricultural Soil." Chemosphere 81, no. 11 (Dec 2010): 1536-43.
- Sumalan, R, E Alexa, M Megrea, and . C Dehelea. "Researches Concerning the Structure and Activity of Edaphic Microflora Community When Glyphosate Is Added." Analele Universitatii din Oradea, Fascicula Biologie 16, no. 2 (2009): 142-45.
- Sviridov, Alexey, Tatyana Shushkova, Nina Zelenkova, Natalya Vinokurova, Igor Morgunov, Inna Ermakova, and Alexey Leontievsky. "Distribution of Glyphosate and Methylphosphonate Catabolism Systems in Soil Bacteria *Ochrobactrum Anthropi* and *Achromobacter Sp.*" Applied Microbiology and Biotechnology 93, no. 2 (2012): 787-96.
- Sviridov, A. V., N. F. Zelenkova, N. G. Vinokurova, I. T. Ermakova, and A. A. Leontievsky. "New Approaches to Identification and Activity Estimation of Glyphosate Degradation Enzymes." Biochemistry-Moscow 76, no. 6 (Jun 2011): 720-25.
- Swift, K.I., and F.W. Bell. "What Are the Environmental Consequences of Using Silviculturally Effective Forest Vegetation Management Treatments?". Forestry Chronicle 87, no. 2 (Mar-Apr 2011): 201-16.
- Syversen, N. "Cold-Climate Vegetative Buffer Zones as Pesticide-Filters for Surface Runoff." [In English]. Water Science and Technology 51, no. 3-4 (2005): 63-71.
- Syversen, N., and M. Bechmann. "Vegetative Buffer Zones as Pesticide Filters for Simulated Surface Runoff." [In English]. Ecological Engineering 22, no. 3 (May 1 2004): 175-84.
- Tesfamariam, Tsehaye, S. Bott, I. Cakmak, V. Römhild, and G. Neumann. "Glyphosate in the Rhizosphere--Role of Waiting Times and Different Glyphosate Binding Forms in Soils for Phytotoxicity to Non-Target Plants." European Journal of Agronomy 31, no. 3 (2009): 126-32.
- Todorovic, G. R. Degradation, Runoff, Sorption, Review Behavior of Organic Pollutants in the Soil Environment. Special Focus on Glyphosate and Ampa. Air, Water and Soil Quality. edited by A. Pattee E. Vianello G. Vittori Antisati L. Manos Dassenakis2009.
- Todorovic, G.R., A. Mentler, N. Rampazzo, W.E.H. Blum, A. Eder, and P. Strauss. "Dispersion of Glyphosate in Soils through Erosion." Paper presented at the International Congress of Air, water and soil pollution, Imola, Italy, 2010.
- Torstensson, L., E. Borjesson, and J. Stenstrom. "Efficacy and Fate of Glyphosate on Swedish Railway Embankments." [In English]. Pest Management Science 61, no. 9 (Sep 2005): 881-86.
- Tsui, M. T. K., and L. M. Chu. "Environmental Fate and Non-Target Impact of Glyphosate-Based Herbicide (Roundup (R)) in a Subtropical Wetland." [In English]. Chemosphere 71, no. 3 (Mar 2008): 439-46.
- Tsui, M. T. K., W. X. Wang, and L. M. Chu. "Influence of Glyphosate and Its Formulation (Roundup (R)) on the Toxicity and Bioavailability of Metals to Ceriodaphnia Dubia." [In English]. Environmental Pollution 138, no. 1 (Nov 2005): 59-68.
- Tuffi Santos, L.D., F.A. Ferreira, N.F. Barros, C.H. Siqueira, I.C. Santos, and A.F.L. Machado. "Root Exudation of Glyphosate by Brachiaria Decumbens and Its Effects on Eucalypt Plants and Microbial Soil Respiration." Planta Daninha 23, no. 1 (2005): 143-52.

- Tuffi Santos, L. D., B. F. Sant'Anna-Santos, R. M. S. A. Meira, F. A. Ferreira, R. A. S. Tiburcio, and A. F. L. Machado. "Leaf Anatomy and Morphometry in Three Eucalypt Clones Treated with Glyphosate." [In English]. *Brazilian Journal of Biology* 69, no. 1 (Feb 2009): 129-36.
- Tuffi Santos, L.D., J.B. Santos, F. A. Ferreira, J. A. Oliveira, S. Bentivenha, and A. F. L. Machado. "Radicular Exudation of Glyphosate by Brachiaria Decumbens and Its Effects on Eucalypt Plant." *Planta Daninha* 26, no. 2 (Apr-Jun 2008): 369-74.
- Veiga, F., J. M. Zapata, M. L. F. Marcos, and E. Alvarez. "Dynamics of Glyphosate and Aminomethylphosphonic Acid in a Forest Soil in Galicia, North-West Spain." [In English]. *Science of the Total Environment* 271, no. 1-3 (Apr 23 2001): 135-44.
- Vereecken, H. "Mobility and Leaching of Glyphosate: A Review." [In English]. *Pest Management Science* 61, no. 12 (Dec 2005): 1139-51.
- Vinther, F. P., U. C. Brinch, L. Elsgaard, L. Fredslund, B. V. Iversen, S. Torp, and C. S. Jacobsen. "Field-Scale Variation in Microbial Activity and Soil Properties in Relation to Mineralization and Sorption of Pesticides in a Sandy Soil." [In eng]. *J Environ Qual* 37, no. 5 (Sep-Oct 2008): 1710-8.
- Vischetti, C., P. Perucci, C. Casucci, E. Monaci, and S. Dumontet. "Biochemical Parameter Changes in Urban-Waste Compost Used as Biofilter for Pesticide Decontamination." [In English]. *International Journal of Environmental Analytical Chemistry* 86, no. 3-4 (Mar-Apr 2006): 195-205.
- Vogel, J. R., and J. I. Linard. "Agricultural Herbicide Transport in a First-Order Intermittent Stream, Nebraska, USA." *Applied Engineering in Agriculture* 27, no. 1 (Jan 2011): 63-74.
- Waiman, C. V., M. J. Avena, M. Garrido, B. Fernández Band, and G. P. Zanini. "A Simple and Rapid Spectrophotometric Method to Quantify the Herbicide Glyphosate in Aqueous Media. Application to Adsorption Isotherms on Soils and Goethite." *Geoderma* 170 (2012): 154-58.
- Wang, M.D., F.X. Cheng, and Y.B. Si. "The Inhibition of the Combined Pollution of Copper and Glyphosate to the Seed Germination and Root Elongation of Wheat." [In Chinese]. *Asian Journal of Ecotoxicology* 4, no. 4 (Aug 2009): 591-96.
- Wang, N., J. M. Besser, D. R. Buckler, J. L. Honegger, C. G. Ingersoll, B. T. Johnson, M. L. Kurtzweil, J. MacGregor, and M. J. McKee. "Influence of Sediment on the Fate and Toxicity of a Polyethoxylated Tallowamine Surfactant System (Mon 0818) in Aquatic Microcosms." [In English]. *Chemosphere* 59, no. 4 (Apr 2005): 545-51.
- Wang, Y.H., X. Li, X.M. Zhou, L.Y Bai, and H.L. Cai. "Residue and Field Decline Study of Glyphosate-Ammonium in Ramie Field." [In Chinese]. *Nongyaoxue Xuebao* 12, no. 2 (Jun 2010): 201-06.
- Wang, Y. J., D. M. Zhou, and R. J. Sun. "Effects of Phosphate on the Adsorption of Glyphosate on Three Different Types of Chinese Soils." [In English]. *Journal of Environmental Sciences-China* 17, no. 5 (2005): 711-15.
- Wang, Y. J., D. M. Zhou, R. J. Sun, L. Cang, and X. Z. Hao. "Cosorption of Zinc and Glyphosate on Two Soils with Different Characteristics." [In eng]. *J Hazard Mater* 137, no. 1 (Sep 1 2006): 76-82.
- Wang, Y-J., Y-X. Cui, D-M. Zhou, S-Q. Wang, A-Y. Xiao, R-H. Wang, and H. Zhang. "Adsorption Kinetics of Glyphosate and Copper(II) Alone and Together on Two Types of Soils." *Soil Sci. Soc. Am. J.* 73 (2009): 1995-2001.
- Warnemuende, Elizabeth A., Judodine P. Patterson, Douglas R. Smith, and Chi-hua Huang. "Effects of Tilling No-Till Soil on Losses of Atrazine and Glyphosate to Runoff Water under Variable Intensity Simulated Rainfall." *Soil and Tillage Research* 95, no. 1-2 (2007): 19-26.
- Weaver, M. A., L. J. Krutz, R. M. Zablotowicz, and K. N. Reddy. "Effects of Glyphosate on Soil Microbial Communities and Its Mississippi Soil." [In English]. *Pest Management Science* 63, no. 4 (Apr 2007): 388-93.
- Xu, D., S. Meyer, J. Gaultier, A. Farenhorst, and D. Pennock. "Land Use and Riparian Effects on Prairie Wetland Sediment Properties and Herbicide Sorption Coefficients." [In eng]. *J Environ Qual* 38, no. 4 (Jul-Aug 2009): 1757-65.
- Xu, X., F. Ji, Z. Fan, and L. He. "Degradation of Glyphosate in Soil Photocatalyzed by Fe(3)O(4)/SiO(2)/TiO(2) under Solar Light." *International Journal of Environmental Research and Public Health* 8, no. 4 (Apr 2011): 1258-70.

- Yang, Y. J., R. C. Haught, and J. A. Goodrich. "Real-Time Contaminant Detection and Classification in a Drinking Water Pipe Using Conventional Water Quality Sensors: Techniques and Experimental Results." [In English]. *Journal of Environmental Management* 90, no. 8 (Jun 2009): 2494-506.
- Yu, Y., H. Zhang, and Q. Zhou. "Using Soil Available P and Activities of Soil Dehydrogenase and Phosphatase as Indicators for Biodegradation of Organophosphorus Pesticide Methamidophos and Glyphosate." *Soil and Sediment Contamination: An International Journal* 20, no. 6 (2011/08/01 2011): 688-701.
- Yu, Y., and Q. X. Zhou. "Adsorption Characteristics of Pesticides Methamidophos and Glyphosate by Two Soils." [In English]. *Chemosphere* 58, no. 6 (Feb 2005): 811-16.
- Yu, Y., Q. X. Zhou, and Z. L. He. "Effects of Methamidophos and Glyphosate on Copper Sorption-Desorption Behavior in Soils." *Science in China Series C-Life Sciences* 48, no. 1 (May 2005): 67-75.
- Zabaloy, M.C., G.P. Zanini, V. Bianchinotti, M.A. Gomez, and J.L. Garland. "Herbicides in the Soil Environment: Linkage between Bioavailability and Microbial Ecology." In *Herbicides, Theory and Applications*, edited by S. Soloneski and M.L. Laramendy. 161-92. Croatia: InTech, 2011.
- Zablotowicz, R. M., C. Accinelli, L. J. Krutz, and K. N. Reddy. "Soil Depth and Tillage Effects on Glyphosate Degradation." [In eng]. *J Agric Food Chem* 57, no. 11 (Jun 10 2009): 4867-71.
- Zablotowicz, R. M., and K. N. Reddy. "Impact of Glyphosate on the Bradyrhizobium Japonicum Symbiosis with Glyphosate-Resistant Transgenic Soybean: A Minireview." [In English]. *Journal of Environmental Quality* 33, no. 3 (May-Jun 2004): 825-31.
- Zgheib, S., R. Moilleron, and G. Chebbo. "Priority Pollutants in Urban Stormwater: Part 1 – Case of Separate Storm Sewers." *Water Research* (2012).
- Zgheib, S., R. Moilleron, and G. Chebbo. "What Priority Pollutants Occur in Stormwater and Wastewater?". *WIT Transactions on Ecology and the Environment (Water Pollution X)* 135 (2010): 3-13.
- Zhao, B. Z., J. B. Zhang, J. D. Gong, H. Zhang, and C. Z. Zhang. "Glyphosate Mobility in Soils by Phosphate Application: Laboratory Column Experiments." [In English]. *Geoderma* 149, no. 3-4 (Mar 15 2009): 290-97.
- Zhao, R.B., H.Y. Bao, and Y.X. Liu. "Isolation and Characterization of Penicillium Oxalicum Zhj6 for Biodegradation of Methamidophos." *Agricultural Sciences in China* 9, no. 5 (May 20 2010): 695-703.
- Zhou, D. M., Y. J. Wang, L. Cang, X. Z. Hao, and X. S. Luo. "Adsorption and Cosorption of Cadmium and Glyphosate on Two Soils with Different Characteristics." [In English]. *Chemosphere* 57, no. 10 (Dec 2004): 1237-44.
- Zhou, Y, Y Wang, D Hunkeler, F Zwahlen, and J Boillat. "Differential Transport of Atrazine and Glyphosate in Undisturbed Sandy Soil Column." *Soil and Sediment Contamination: An International Journal* 19, no. 3 (2010): 365 - 77.
- Zobiole, L. H., R. J. Kremer, R. S. Oliveira, Jr., and J. Constantin. "Glyphosate Affects Micro-Organisms in Rhizospheres of Glyphosate-Resistant Soybeans." [In eng]. *J Appl Microbiol* 110, no. 1 (Jan 2011): 118-27.
- Zobiole, L. H., R. S. Oliveira, J. V. Visentainer, R. J. Kremer, N. Bellaloui, and T. Yamada. "Glyphosate Affects Seed Composition in Glyphosate-Resistant Soybean." [In eng]. *J Agric Food Chem* 58, no. 7 (Apr 14 2010): 4517-22.
- Zobiole, L. H. S., E. A. Bonini, R. S. de Oliveira, R. J. Kremer, and O. Ferrarese. "Glyphosate Affects Lignin Content and Amino Acid Production in Glyphosate-Resistant Soybean." [In English]. *Acta Physiologiae Plantarum* 32, no. 5 (Sep 2010): 831-37.
- Zobiole, L. H. S., R. S. de Oliveira, D. M. Huber, J. Constantin, C. de Castro, F. A. de Oliveira, and A. de Oliveira. "Glyphosate Reduces Shoot Concentrations of Mineral Nutrients in Glyphosate-Resistant Soybeans." [In English]. *Plant and Soil* 328, no. 1-2 (Mar 2010): 57-69.
- Zobiole, L. H. S., R. S. de Oliveira, R. J. Kremer, J. Constantin, C. M. Bonato, and A. S. Muniz. "Water Use Efficiency and Photosynthesis of Glyphosate-Resistant Soybean as Affected by Glyphosate." [In English]. *Pesticide Biochemistry and Physiology* 97, no. 3 (Jul 2010): 182-93.

- Zobiole, L. H. S., R. S. de Oliveira, R. J. Kremer, A. S. Muniz, and A. de Oliveira. "Nutrient Accumulation and Photosynthesis in Glyphosate-Resistant Soybeans Is Reduced under Glyphosate Use." [In English]. *Journal of Plant Nutrition* 33, no. 12 (2010): 1860-73.
- Zobiole, L. H. S., R. J. Kremer, R. S. de Oliveira, and J. Constantin. "Glyphosate Affects Photosynthesis in First and Second Generation of Glyphosate-Resistant Soybeans." [In English]. *Plant and Soil* 336, no. 1-2 (Nov 2010): 251-65.
- Zobiole, L. H. S., R. J. Kremer, R. S. Oliveira, and J. Constantin. "Glyphosate Affects Chlorophyll, Nodulation and Nutrient Accumulation of "Second Generation" Glyphosate-Resistant Soybean (*Glycine Max L.*)."  
[In English]. *Pesticide Biochemistry and Physiology* 99, no. 1 (Jan 2011): 53-60.
- Zobiole, L. H. S., R. S. Oliveira, J. Constantin, and D. F. Biffe. "Prevention of Rr Soybean Injuries Caused by Exogenous Supply of Aminoacids." [In Portuguese]. *Planta Daninha* 29, no. 1 (2011): 195-205.
- Zobiole, L. H. S., R. S. Oliveira, J. Constantin, D. F. Biffe, and R. J. Kremer. "Use of Exogenous Amino Acid to Prevent Glyphosate Injury in Glyphosate-Resistant Soybean."  
[In Portuguese]. *Planta Daninha* 28, no. 3 (Jul-Sep 2010): 643-53.
- Zobiole, L. H. S., R. S. Oliveira, R. J. Kremer, J. Constantin, T. Yamada, C. Castro, F. A. Oliveira, and A. Oliveira. "Effect of Glyphosate on Symbiotic N(2) Fixation and Nickel Concentration in Glyphosate-Resistant Soybeans." [In English]. *Applied Soil Ecology* 44, no. 2 (Feb 2010): 176-80.