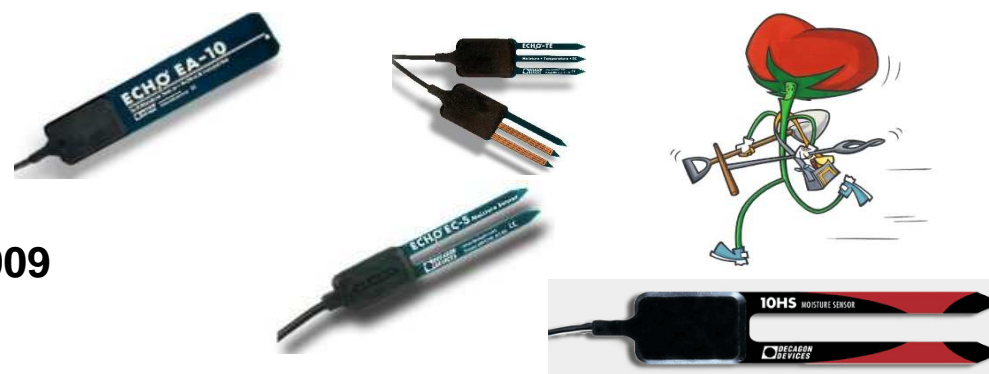


Bibliographical Database

ECH₂O Family
Actualized January 2009

▶ **New entry**



AgScience
Discussion Group



M/C: Meeting/Communication; Paper; PR: Project Report; SP: Student Project; OnLine: OnLine Publication; BC: Book Chapter; Book *

** FFT : Free Full Text OnLine; S+PPV : Summary +

Year	Reference	Kind of Document*	Availability **	Link online
▶ 2010	Alasdair M. Grigg & Hans Lambers & Erik J. Veneklaas. 2010. Changes in water relations for <i>Acacia ancistrocarpa</i> on natural and mine-rehabilitation sites in response to an experimental wetting pulse in the Great Sandy Desert. <i>Plant Soil</i> . 326:75–96. doi: 10.1007/s11104-009-9957-5	Paper	S+PPV	www.springerlink.com
▶ 2010	Barthel, M., Sturm, P., Gentsch, L. and Knohl, A. 2010. Technical Note: A combined soil/canopy chamber system for tracing ¹³ C in soil respiration after a ¹³ CO ₂ canopy pulse labelling. <i>Biogeosciences Discuss</i> . 7:1603–1631.	Paper	S+PPV	http://biogeosciences-discuss.net/7/1603/2010/bgd-7-1603-2010.pdf
▶ 2010	Cabral, A.R., Moreira, J.F.V. and Jugnia, L.-B. 2010. Biocover Performance of Landfill Methane Oxidation: Experimental Results. <i>Journal of Environmental Engineering</i> . 136(8):785-793. doi: 10.1061/(ASCE)EE.1943-7870.0000182	Paper	S+PPV	http://cedb.asce.org/cgi/WWWdisplay.cgi?266457
▶ 2010	Castillo-Monroy, A.P., Maestre, F.T., Delgado-Baquerizo, M. and Gallardo, A. 2010. Biological soil crusts modulate nitrogen availability in semi-arid ecosystems: insights from a Mediterranean grassland. <i>Plant Soil</i> . 333:21–34. doi: 10.1007/s11104-009-0276-7	Paper	S+PPV	www.springerlink.com
▶ 2010	Chávez, J.L., Pierce, F.J., Elliott, T.V. and Evans, R.G. 2010. A Remote Irrigation Monitoring and Control System for continuous move systems. Part A: description and development. <i>Precision Agric</i> . 11:1–10. doi: 10.1007/s11119-009-9109-1	Paper	S+PPV	www.springerlink.com
▶ 2010	de Dato, G.D., De Angelis, P., Sirca, C. and Beier, C. 2010. Impact of drought and increasing temperatures on soil CO ₂ emissions in a Mediterranean shrubland (<i>gariga</i>). <i>Plant Soil</i> . 327:153–166. doi: 10.1007/s11104-009-0041-y	Paper	S+PPV	www.springerlink.com
▶ 2010	Droste, T., Flory, S.L. and Clay, K. 2010. Variation for phenotypic plasticity among populations of an invasive exotic grass. <i>Plant Ecol</i> . 207:297–306. doi: 10.1007/s11258-009-9673-5	Paper	S+PPV	www.springerlink.com
▶ 2010	Gelsomino, A., Tortorella, D., Cianci, V., Petrovicová, B., Sorgonà, A., Piccolo, A. and Abenavoli, M.R. 2010. Effects of a biomimetic iron-porphyrin on soil respiration and maize root morphology as by a microcosm experiment. <i>J. Plant Nutr. Soil Sci</i> . 173:399–406 doi: 10.1002/jpln.200900125	Paper	S+PPV	http://onlinelibrary.wiley.com/doi/10.1002/jpln.200900125/abstract
▶ 2010	Guevara, A., Giordano, C.V., Aranibar, J., Quiroga, M. and Villagra, P.E. 2010. Phenotypic plasticity of the coarse root system of <i>Prosopis flexuosa</i> , a phreatophyte tree, in the Monte Desert (Argentina). <i>Plant Soil</i> . 330:447–464. doi: 10.1007/s11104-009-0218-4	Paper	S+PPV	www.springerlink.com
▶ 2010	Joos, O., Hagedorn, F., Heim, A., Gilgen, A.K., Schmidt, N.W.I., Siegwolf, R.T.W. and Buchmann, N. 2010. Summer drought reduces total and litter-derived soil CO ₂ effluxes in temperate grassland – clues from a ¹³ C litter addition experiment. <i>Biogeosciences Discuss</i> . 6:11005–11034.	Paper	S+PPV	http://biogeosciences-discuss.net/6/11005/2009/bgd-6-11005-2009.pdf
▶ 2010	Klumpp, K., Bloor, J.M.G., Ambus, P. and Soussana, J.-F. 2010. Effects of clover density on N ₂ O emissions and plant-soil N transfers in a fertilised upland pasture. <i>Plant Soil</i> doi: 10.1007/s11104-010-0526-8	Paper	S+PPV	www.springerlink.com
▶ 2010	Lewicki, J.L., Hilley, G.E., Dobeck, L. and Spangler, L. 2010. Dynamics of CO ₂ fluxes and concentrations during a shallow subsurface CO ₂ release. <i>Environ. Earth Sci</i> . 60:285–297. DOI 10.1007/s12665-009-0396-7	Paper	S+PPV	www.springerlink.com



▶ 2010	Mizoguchi, M., Ito, T., and Mitsuishi, S. 2010. Ubiquitous Monitoring of Agricultural Fields in Asia using Sensor Network. 2010 19th World Congress of Soil Science, Soil Solutions for a Changing World. 1 – 6 August 2010, Brisbane, Australia. Published on CDROM. 4pp.	M/C	FFT	http://www.iaig.a.a.u-tokyo.ac.jp/mizo/pocket/IUSS10/mizoguchim.pdf
▶ 2010	Prados, M.L., Guardiola-Albert, C., Vanderlinden, K., Giráldez and Mediavilla, C. 2010. Monitorización de la zona no saturada en el entorno del Espacio Natural de Doñana. Boletín Geológico y Minero. 121(3):265-278.	Paper	FFT	http://www.igme.es/internet/Boletin/2010/121_3/ARTICULO%203.pdf
▶ 2010	Ranua, V.A. and Weinig, C. 2010. Mixed-Mating Strategies and their Sensitivity to Abiotic Variation in <i>Viola Lanceolata</i> L. (Violaceae). The Open Ecology Journal. 3:83-94.	Paper	S+PPV	http://www.bentham.org
▶ 2010	Rao, L.E. and Allen, E.B. 2010. Combined effects of precipitation and nitrogen deposition on native and invasive winter annual production in California deserts. Oecologia. 162:1035–1046. doi: 10.1007/s00442-009-1516-5	Paper	S+PPV	www.springerlink.com
▶ 2010	Reverter, B.R., Sánchez-Cañete, E.P., Resco, V., Serrano-Ortiz, P., Oyonarte, C. and Kowalski, A.S. 2010. Analyzing the major drivers of NEE in a Mediterranean alpine shrubland. Biogeosciences, 7, 2601–2611. doi: 10.5194/bg-7-2601-2010	Paper	S+PPV	www.biogeosciences.net
▶ 2010	Robertson, T.R., Zak, J.C. and Tissue, D.T. 2010. Precipitation magnitude and timing differentially affect species richness and plant density in the sotol grassland of the Chihuahuan Desert. Oecologia (2010) 162:185–197. doi: 10.1007/s00442-009-1449-z	Paper	S+PPV	www.springerlink.com
▶ 2010	Rosebaum, U. Huisman, J.A., Weuthen, A., Vereecken, H. and Bogaena, H.R. 2010. Sensor-to-Sensor Variability of the ECH2O EC-5, TE, and 5TE Sensors in Dielectric Liquids. Vadose Zone Journal. 9(1):181-186. doi: 10.2136/vzj2009.0036	Paper	S+PPV	http://vzi.geoscienceworld.org/cgi/content/abstract/9/1/181
▶ 2010	Silva, A.R. and Vuran, M.C. 2010. Development of a Testbed for Wireless Underground Sensor Networks. EURASIP Journal on Wireless Communications and Networking. 2010,620307, 14 pp. doi:10.1155/2010/620307	Paper	S+PPV	http://portal.acm.org/citation.cfm?id=1864685
▶ 2010	Slesak, R.A., Schenholtz, S.H. and Harrington, T.B. 2010. Soil Respiration and Carbon Responses to Logging Debris and Competing Vegetation. Soil Sci. Soc. Am. J. 74:936–946. doi:10.2136/sssaj2009.0234	Paper	S+PPV	http://ddr.nal.usda.gov/handle/10113/42537
▶ 2010	Steele-Dunne, S.C., Rutten, M.M., Krzeminska, D.M., Hausner, M., Tyler, S.W., Selker, J., Bogaard, T.A., and van de Giesen, N.C. 2010. Feasibility of soil moisture estimation using passive distributed temperature sensing. Water Resources Research. 46, W03534, 12pp. doi:10.1029/2009WR008272	Paper	S+PPV	www.agu.org
▶ 2010	Wendel, S., Moore, T., Bubier, J. and Blodau, C. 2010. Experimental nitrogen, phosphorus, and potassium deposition decreases summer soil temperatures, water contents, and soil CO2 concentrations in a northern bog. Biogeosciences Discuss. 7:6589–6616. doi: 10.5194/bgd-7-6589-2010	M/C	FFT	www.biogeosciences-discuss.net/7/6589/2010/
2009	Al Mulla, Y.A., Wu, J.Q., Singh, S., Flury, M., Schillinger, W.F., Huggins, D.R. and Stöckle, C.O. 2009. Soil water and temperature in chemical versus reduced-tillage fallow in a mediterranean climate. Applied Engineering in Agriculture. 25(1):45-54.	Paper	S+PPV	http://akasha.wsu.edu/~flury/theses_articles/yaseen.pdf
▶ 2009	Albanito, F., Saunders, M. and Jones, M.B. 2009. Automated diffusion chambers to monitor diurnal and seasonal dynamics of the soil CO2 concentration profile. European Journal of Soil Science. 60:507–514. doi: 10.1111/j.1365-2389.2009.01154.x	Paper	S+PPV	www.wiley.com
▶ 2009	Alluvione, F., Halvorson, A.D. and Del Grosso, S.J. 2009. Nitrogen, Tillage, and Crop Rotation Effects on Carbon Dioxide and Methane Fluxes from Irrigated Cropping Systems. J. Environ. Qual. 38:2023–2033. doi:10.2134/jeq2008.0517	Paper	S+PPV	https://www.crops.org/publications/jeq
▶ 2009	Bogaena, H.R., Huisman, J.A., Meier, H., Rosenbaum, U. and Weuthen, A. 2009. Hybrid Wireless Underground Sensor Networks: Quantification of Signal Attenuation in Soil. Vadose Zone J. 8:755-761. doi:10.2136/vzj2008.0138	Paper	S+PPV	www.vadosezonejournal.org
2009	Brock, M.T., Stinchcombe, J.R. and Weinig, C. 2009. Indirect effects of FRIGIDA: floral trait (co)variances are altered by seasonally variable abiotic factors associated with flowering time. J. Evol. Biol. 22:1826-1838.	Paper	FFT	http://labs.eeb.utoronto.ca/stinchcombe/pdf/Brock_etal_JEB2009.pdf
▶ 2009	Bucci, S.J., Scholz, F.G., Goldstein, G., Meinzer, F.C. and Arce, M.E. 2009. Soil water availability and rooting depth as determinants of hydraulic architecture of Patagonian woody species. Oecologia. 160:631-641. doi: 10.1007/s00442-009-1331-z	Paper	S+PPV	www.springerlink.com

2009	Devine, W.D. and Harrington, C.A. 2009. Relationships among foliar phenology, radial growth rate, and xylem density in a young Douglas-Fir plantation. <i>Wood and Fiber Science</i> . 41(3):300-312.	Paper	FFT	http://ddr.nal.usda.gov/handle/10113/32541
2009	Duan, X. and Naterer, G.F. 2009. Heat conduction with seasonal freezing and thawing in an active layer near a tower foundation. <i>International Journal of Heat and Mass Transfer</i> . 52:2068-2078. doi: 10.1016/j.ijheatmasstransfer.2008.11.004	Paper	S+PPV	http://www.sciencedirect.com
▶ 2009	Gauthier, M.-M. and Jacobs, D.F. 2009. Short-Term Physiological Responses of Black Walnut (<i>Juglans nigra</i> L.) to Plantation Thinning. <i>Forest Science</i> 55(3):221-229.	Paper	S+PPV	https://www.safnet.org/publications/forscience/index.cfm
2009	Gee, G.W., Newman, B.D., Green, S.R., Meissner, R., Rupp, H., Zhang, Z.F., Keller, J.M., Waugh, W.J., van der Velde, M. and Salazar, J. 2009. Passive wick fluxmeters: Design considerations and field applications. <i>Water Resour. Res.</i> 45, W04420, doi: 10.1029/2008WR007088	Paper	FFT	http://fehm.lanl.gov/source/orgs/ees/ees14/pdfs/09Gee.pdf
▶ 2009	Gilgen, A.K. and Buchmann, N. 2009. Response of temperate grasslands at different altitudes to simulated summer drought differed but scaled with annual precipitation. <i>Biogeosciences Discuss.</i> 6:5217-5250.	Paper	S+PPV	http://www.biogeosciences-discuss.net
▶ 2009	Heilman, J.L., McInnes, K.J., Kjelgaard, J.F., Owens, M.K. and Schwinning, S. 2009. Energy balance and water use in a subtropical karst woodland on the Edwards Plateau, Texas. <i>Journal of Hydrology</i> . 373:426-435. doi:10.1016/j.jhydrol.2009.05.007	Paper	S+PPV	www.elsevier.com/locate/jhydrol
2009	Huang, C.-C., Ju, Y.-J., Hwu L.-K. and Lee J.-L. 2009. Internal soil moisture and piezometric responses to rainfall-induced shallow slope failures. <i>Journal of Hydrology</i> . 370:39-51. doi: 10.1016/j.jhydrol.2009.02.051	Paper	S+PPV	http://www.sciencedirect.com
▶ 2009	Ishii, S., Yan, T., Vu, H., Hansen, D.L., Hick, R.E. and Sadowsky, M.J. 2009. Factors Controlling Long-Term Survival and Growth of Naturalized <i>Escherichia coli</i> Populations in Temperate Field Soils. <i>Microbes Environ.</i> 25(1):8-14. doi:10.1264/jsme2.ME09172	Paper	S+PPV	http://www.istage.jst.go.jp
▶ 2009	Letts, M.G., Flanagan, L.B., Van Gaalen, K.E. and Johnson, D.R.E. 2009. Interspecific differences in photosynthetic gas exchange characteristics and acclimation to soil moisture stress among shrubs of a semiarid grassland. <i>Ecoscience</i> . 16(1):125-137. Doi: 10.2980/16-1-3197	Paper	S+PPV	www.ecoscience.ulaval.ca
▶ 2009	Letts, M.G., Flanagan, L.B., Van Gaalen, K.E. and Johnson, D.R.E. 2009. Physiological acclimation of <i>Pinus flexilis</i> to drought stress on contrasting slope aspects in Waterton Lakes National Park, Alberta, Canada. <i>Can. J. For. Res.</i> 39:629-641. doi: 10.1139/X08-206	Paper	S+PPV	www.nrcresearchpress.com
▶ 2009	Limsuwat, A., Sakaki, T. and Illangasekare, T.H. 2009. Experimental quantification of bulk sampling volume of ECH2O soil moisture sensors. <i>Hydrology Days</i> . 39-45.	Paper	FFT	http://hydrologydays.colostate.edu
▶ 2009	Long, R.L., Steadman, K.J., Panetta, F.D. and Adkins, S.W. 2009. Soil type does not affect seed ageing when soil water potential and temperature are controlled. <i>Plant Soil</i> . 320:131-140. doi: 10.1007/s11104-008-9878-8	Paper	S+PPV	www.springerlink.com
2009	Marques, M.J., García-Muñoz, S., Muñoz-Organero, G. and Bienes, R. 2009. Soil conservation beneath grass cover in hillside vineyards under mediterranean climatic conditions (Madrid, Spain). <i>Land Degrad. Develop.</i> 10pp. doi: 10.1002/ldr.915	Paper	FFT	www.interscience.wiley.com
2009	Miller, A.E., Schimel, J.P., Sickman, J.O., Skeen, K., Meixner, T. and Melack, J.M. 2009. Seasonal variation in nitrogen uptake and turnover in two high-elevation soils: mineralization responses are site-dependent. <i>Biogeochemistry</i> . 93:253-270. doi: 10.1007/s10533-009-9301-4	Paper	S+PPV	www.springerlink.com
2009	Mkhabela, M.S., Gordon, R., Burton, D., Smith, E. and Madani, A. 2009. The impact of management practices and meteorological conditions on ammonia and nitrous oxide emissions following application of hog slurry to forage grass in Nova Scotia. <i>Agriculture, Ecosystems and Environment</i> . 130:41-49. doi:10.1016/j.agee.2008.11.012	Paper	S+PPV	www.elsevier.com/locate/agee
2009	Mollard, F.P.O. and Insausti, P. 2009. Breaking <i>Setaria parviflora</i> seed dormancy by nitrates and light is part of a mechanism that detects a drawdown period after flooding. <i>Aquatic Botany</i> . 91:57-60. doi: 10.1016/j.aquabot.2009.01.002	Paper	S+PPV	www.elsevier.com/locate/aquabot
2009	Montes-Helu, M.C., Kolb, T., Dore, S., Sullivan, B., Hart, S.C., Koch, G. and Hungate, B.A. 2009. Persistent effects of fire-induced vegetation change on energy partitioning and evapotranspiration in ponderosa pine forests. <i>Agricultural and Forest Meteorology</i> . 149:491-500. doi:10.1016/j.agrformet.2008.09.011	Paper	S+PPV	www.elsevier.com/locate/agrformet
▶ 2009	Muhr, J. and Boriken, W. 2009. Delayed recovery of soil respiration after wetting of dry soil further reduces C losses from a Norway spruce soil. <i>Journal of Geophysical Research</i> . 114:G04023, 11 pp. doi: 10.1029/2009JG000998	Paper	S+PPV	http://www.agu.org/journals/ABS/2009/2009JG000998.shtml



▶ 2009	Muhr, J. and W. Borken, W. 2009. Delayed recovery of soil respiration after wetting of dry soil further reduces C losses from a Norway spruce forest soil. <i>J. Geophys. Res.</i> 114, G04023, doi:10.1029/2009JG000998.	Paper	S+PPV	http://www.agu.org/journals/ABS/2009/2009JG000998.shtml
2009	O'Donnell, J.A., Turetsky, M.R., Harden, J.W., Manies, K.L., Pruetz, L.E., Shetler, G. and Neff, J.C. 2009. Interactive Effects of Fire, Soil Climate, and Moss on CO ₂ Fluxes in Black Spruce Ecosystems of Interior Alaska. <i>Ecosystems</i> . 12: 57-72. doi: 10.1007/s10021-008-9206-4	Paper	S+PPV	www.springerlink.com
▶ 2009	Olsen, H.R. and Van Miegroet, H. 2009. Factors Affecting Carbon Dioxide Release from Forest and Rangeland Soils in Northern Utah. <i>Soil Sci. Soc. Am. J.</i> 74:282–291. doi:10.2136/sssaj2009.0095	Paper	FFT	https://internationalresearch.usu.edu
▶ 2009	Parsons, L.R. and Bandaranayake, M.W. 2009. Performance of a New Capacitance Soil Moisture Probe in a Sandy Soil. <i>Soil Sci. Soc. Am. J.</i> 73:1378-1385. doi:10.2136/sssaj2008.0264	Paper	S+PPV	www.soils.org
2009	Patrick, L.D., Ogle, K., Bell, C.W., Zak, J. and Tissue, D. 2009. Physiological responses of two contrasting desert plant species to precipitation variability are differentially regulated by soil moisture and nitrogen dynamics. <i>Global Change Biology</i> . 15:1214-1229. doi: 10.1111/j.1365-2486.2008.01750.x	Paper	S+PPV	http://www3.interscience.wiley.com/journal/121461945/abstract
2009	Perez-Martin, A., Flexas, J., Ribas-Carbó, M., Bota, J., Tomás, M., Infante, J.M. and Diaz-Espejo, A. 2009. Interactive effects of soil water deficit and air vapour pressure deficit on mesophyll conductance to CO ₂ in <i>Vitis vinifera</i> and <i>Olea europaea</i> . <i>Journal of Experimental Botany</i> . 60(8):2391-2405. doi:10.1093/jxb/erp145	Paper	S+PPV	http://jxb.oxfordjournals.org/cgi/content/abstract/60/8/2391
▶ 2009	Pihlatie, M.K., Kiese, R., Brüggemann, N., Butterbach-Bahl, K., Kieloaho, A.-J., Laurila, T., Lohila, A., Mammarella, I., Minkkinen, K., Penttilä, T., Schönborn, J. and T. Vesala, T. 2009. Greenhouse gas fluxes in a drained peatland forest during spring frost-thaw event. <i>Biogeosciences Discuss.</i> 6:6111–6145.	Paper	S+PPV	www.biogeosciences-discuss.net/6/6111/2009/
▶ 2009	Ritsema, C.J., Kuipers, H., Kleiboer, L., van den Elsen, E., Oostindie, K., Wesseling, J.G., Wolthuis, J.-W., and Havinga, P. 2009. A new wireless underground network system for continuous monitoring of soil water contents. <i>Water Resour. Res.</i> 45: W00D36, 9pp. doi:10.1029/2008WR007071	Paper	FFT	http://eprints.eemcs.utwente.nl/15415/01/2008WR007071.pdf
2009	Robertson, T.R., Bell, C.W., Zak, J.C. and Tissue, D.T. 2009. Precipitation timing and magnitude differentially affect aboveground annual net primary productivity in three perennial species in a Chihuahuan Desert grassland. <i>New Phytologist</i> . 181:230-242.	Paper	S+PPV	www.springerlink.com
2009	Robertson, T.R., Zak, J.C. and Tissue, D.T. 2009. Precipitation magnitude and timing differentially affect species richness and plant density in the sotol grassland of the Chihuahuan Desert. <i>Oecologia</i> . 162:185–197. doi: 10.1007/s00442-009-1449-z	Paper	S+PPV	www.springerlink.com
▶ 2009	Rodriguez-Alvarez, N., Bosch-Lluis, X., Camps, A., Vall-Ilossera, M., Valencia, E., Marchan-Hernandez, J.F. and Ramos-Perez, I. 2009. Soil Moisture Retrieval Using GNSS-R Techniques: Experimental Results Over a Bare Soil Field. <i>IEEE Transactions on Geosciences and Remote Sensing</i> . 47(11):3616-3624. doi: 10.1109/TGRS.2009.2030672	Paper	S+PPV	http://ieeexplore.ieee.org
2009	Sajjad Ali. 2009 Evaluation of soil moisture sensors for irrigation scheduling os strawberries. McGill University. 86pp.	SP	FFT	http://webpages.mcgill.ca/staff/deptshare/FAES/066-Resources/Theses/theses/2009SajjadAli2
2009	Schindlbacher, A., Zechmeister-Boltenstern, S. and Jandl, R. 2009. Carbon losses due to soil warming: Do autotrophic and heterotrophic soil respiration respond equally? <i>Global Change Biology</i> . 15:901-913. doi: 10.1111/j.1365-2486.2008.01757.x	Paper	S+PPV	http://www3.interscience.wiley.com/journal/121478999/abstract
2009	Scholten, M., Donahue, J., Shaw, N.L. and Serpe, M.D. 2009. Environmental regulation of dormancy loss in seeds of <i>Lomatium dissectum</i> (Apiaceae). <i>Annals of Botany</i> . 11pp. doi:10.1093/aob/mcp038	Paper	S+PPV	www.aob.oxfordjournals.org
▶ 2009	Sullivan, D.G., Nuti, R.C. and Truman, C.C. 2009. Evaluating a nonionic surfactant as a tool to improve water availability in irrigated cotton. <i>Hydrol. Process.</i> 23:2326-2334. doi: 10.1002/hyp.7330	Paper	S+PPV	http://onlinelibrary.wiley.com/doi/10.1002/hyp.7330/pdf
▶ 2009	Tang, A.-M., Ta, A.-N., Cui, Y.-J. and Thiriat. 2009. Development of a Large Scale Infiltration Tank for Determination of the Hydraulic Properties of Expansive Clays. <i>Geotechnical Testing Journal</i> . 32(5):385-396. doi: 10.1520/GTJ102187	Paper	FFT	http://hal.archives-ouvertes.fr/docs/00/42/55/59/PDF/Tang_et_al_GTJ-HAL.pdf
▶ 2009	Taucer, P.I., Munster, C.L., Wilcox, B.P., Owens, M.K. and Mohanty, B.P. 2009. Large-Scale Rainfall Simulation Experiments on Juniper Rangelands. <i>Transactions of the ASABE</i> . 51(6):1951-1961.	Paper	FFT	http://essm.tamu.edu/people/wilcox/Publications/new%202010/2008%20Taucer%20ASABE.pdf
▶ 2009	Tiusanen, J. 2009. Wireless Soil Scout prototype radio signal reception compared to the attenuation model. <i>Precision Agric.</i> 10:372-381. doi:10.1007/s11119-008-9096-7	Paper	S+PPV	www.springerlink.com
2009	van der Velde, R., Su, Z., Ek, M., Rodell, M. and Ma, Y. 2009. Influence of thermodynamic soil and vegetation parameterizations on the simulation of soil temperature states and surface fluxes by the Noah LSM over a Tibetan plateau site. <i>Hydrol. Earth Syst. Sci.</i> 13:759-777.	Paper	FFT	www.hydrol-earth-syst-sci.net/13/759/2009/

2008	Muñoz-Carpena, R., Dukes, M.D., Li, Y. and Klassen, W. 2008. DESIGN AND FIELD EVALUATION OF A NEW CONTROLLER FOR SOIL-WATER BASED IRRIGATION. Applied Engineering in Agriculture. 24(2):183-191.	Paper	FFT	http://carpena.ifas.ufl.edu/Publications/sw6008.pdf
2008	Karl, T., Guenther, A., Turnipseed, A., Patton, E.G. and Jardine, K. 2008. Chemical sensing of plant stress at the ecosystem scale. Biogeosciences. 5:1287-1294.	Paper	S+PPV	http://www.biogeosciences.net/5/1287/2008/bg-5-1287-2008.pdf
2008	Balendonck J, Hemming J, Tuijl BAJ van, Incrocci L, Pardossi A, Marzalletti P (2008). Sensors and wireless sensor networks for irrigation management under deficit conditions (FLOW-AID) In: Conference Proceedings CD of the International Conference on Agricultural Engineering/Agricultural & Biosystems Engineering for a Sustainable World. EurAgEng (European Society of Agricultural Engineers)	M/C	FFT	http://www.flow-aid.wur.nl/NR/rdonlyres/DA8B2ECC-9EEE-4A99-A1BA-E0F7EDCEB087/73978/2008BalendonckFLOWAIDAgEng.pdf
2008	Bales, R., Meadows, M., Hopmans, J., Hartsough, P. and Kirchner, P. 2008. Snow and Soil Moisture Response Across Elevation, Aspect and Canopy Variables in a Mixed-conifer Forest, Southern Sierra Nevada. Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract. C21A-0496.	M/C	S+PPV	http://www.agu.org/cgi-bin/SFgate/SFgate?&listenv=table&multiple=1&range=1&directget=1&application=frm08&database=%2Fdata%2Fepubs%2Fwai
2008	Batty, L.C. and Anslow, M. 2008. Effect of a polycyclic aromatic hydrocarbon on the phytoremediation of zinc by two plant species (<i>Brassica Juncea</i> and <i>Festuca Arundinacea</i>). International Journal of Phytoremediation. 10:236-251.	Paper	S+PPV	http://pdfserve.informaworld.com/Pdf/AddCoversheet?xml=/mnt/pdfserve/pdfserve/839291-788671212-793260424.xml
2008	Bernier, M.H. 2008. Assessing on farm water use efficiency in southern Ontario. McGill University, Montreal. 107pp.	SP	FFT	http://webpages.mcgill.ca/staff/deptshare/FAES/066-
2008	Bittelli, M., Ventura, F., Campbell, G., Snyder, R.L., Gallegati, F. and Rossi Pisa, P. 2008. Coupling of heat, water vapor, and liquid water fluxes to compute evaporation in bare soils. Journal of Hydrology. 362:191-205.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Bogena, H.R., Huisman, J.A., Rosen-baum, U. Weuthen, A. and Vereecken, H. 2008. Evaluation of the ZigBee based wire-less soil moisture sensor network SoilNet. In: Deutsche Bodenkundliche Gesellschaft. Wasser- und Stoff-flüsse in der Landschaft – Messung und Modellierung zum Schutz von Bo-den und Wasser. Kiel, 29/30 May 2008. 4pp.	M/C	FFT	http://www.dbges.de/wb/media/bdbg/workshopKiel08/3.pdf
2008	Bronson, D.R., Gower, S.T., Tanner, M., Linder, S. and van Herk, I. 2008. Response of soil surface CO2 flux in a boreal forest to ecosystem warming. Global Change Biology. 14(4):856-867.	Paper	S+PPV	http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2460.2007.01500.x
2008	Chen, L., Hoff, S.J., Koziel, J.A., Cai, L., Zelle, B. and Sun, G. 2008. Performance evaluation of a wood-chip based biofilter using solid-phase microextraction and gas chromatography–mass spectroscopy–olfactometry. Bioresource Technology. 99:7767-7780.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	J.C. Chen Lopez, P. Waller, G. Giacomelli, M. Tuller. 2008. Physical characterization of greenhouse substrates for automated irrigation management. ISHS Acta Horticulturae 797: International Workshop on Greenhouse Environmental Control and Crop Production in Semi-Arid Regions.	M/C	S+PPV	http://www.actahort.org/books/797/797_47.htm
2008	Coe, J.A., Kinner, D.A. and Godt, J.W. 2008. Initiation conditions for debris flows generated by runoff at Chalk Cliffs, central Colorado. Geomorphology 96:270-297.	Paper	FFT	http://landslides.usgs.gov/docs/coe/CoeGodtKinner08Final.pdf
2008	Dannoura, M., Kominami, Y., Oguma, H. and Kanazawa, Y. 2008. The development of an optical scanner method for observation of plant root dynamics. Plant Root 2:14-18.	Paper	S+PPV	http://www.jstage.jst.go.jp/article/plantroot/2/0/2_14/article
2008	Dore, S., Kolb, T.E., Montes-Helu, M., Sullivan, B.W., Winslow, W.D., Hart, S.C., Kaye, J.P., Koch, G.W. and Hungate, B.A. 2008. Long-term impact of a stand-replacing fire on ecosystem CO2 exchange of a ponderosa pine forest. Global Change Biology. 14:1801-1820.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/120124819/abstract?CRETRY=1&SRETRY=0
2008	Eguchi, N., Morii, N., Ueda, T., Funada, R., Takagi, K., Hiura, T., Sasa, K. and Koike, T. 2008. Changes in petiole hydraulic properties and leaf water flow in birch and oak saplings in a CO2-enriched atmosphere. Tree Physiology. 28:287-295.	Paper	S+PPV	http://treephys.oxfordjournals.org/cgi/content/abstract/28/2/287
2008	Eguchi, N., Karatsu, K., Ueda, T., Funada, R., Takagi, K., Hiura, T., Sasa, K. and Koike, T. 2008 Photosynthetic responses of birch and alder saplings grown in a free air CO2 enrichment system in northern Japan. Trees. 22:437-447.	Paper	S+PPV	www.springerlink.com
2008	Francés, A.P. 2008. Spatio-temporal groundwater recharge assessment: a data-integration and modelling approach. International Institute for Geo-Information Science and Earth Observation. Enschede, The Netherlands. 99pp.	SP	FFT	http://e-geo.ineti.pt/edicoes_online/teses/alain_frances/frances_MscThesis.pdf
2008	Halvorson, A.D., Del Grosso, S.J. and Reule, C.A. 2008. Nitrogen, tillage, and crop rotation effects on nitrous oxide emissions from irrigated cropping systems. J. Environ. Qual. 37:1337-1344.	Paper	S+PPV	http://jeq.scijournals.org/cgi/content/abstract/37/4/1337

2008	Huang, C.-C., Lo, C.-L., Jang, J.-S. and Hwu, L.-K. 2008. Internal soil moisture response to rainfall-induced slope failures and debris discharge. <i>Engineering Geology</i> 101 (2008) 134–145.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Iwama, K. 2008. Physiology of the Potato: New Insights into Root System and Repercussions for Crop Management. <i>Potato Research</i> . 51:333-353.	Paper	S+PPV	www.springerlink.com
2008	Jubany-Marí, T., Munné-Bosch, S., López-Carbonell, M., and Alegre, L. 2008. Hydrogen peroxide is involved in the acclimation of the Mediterranean shrub, <i>Cistus albidus</i> L., to summer drought. <i>Journal of Experimental Botany</i> . doi:10.1093/jxb/ern274.	Paper	FFT	http://jxb.oxfordjournals.org/cgi/content/abstract/ern274v1
2008	Jugnia, L.B., Cabral, A.R. and Greer, C.W. 2008. Biotic methane oxidation within an instrumented experimental landfill cover. <i>Ecological Engineering</i> . 33(2):102-109.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Karlsson, D., Thomsen, A., Iversen, B.V. De Jongle, L.W. and Schelde, K. 2008. The influence of temperature on the performance of dielectric soil moisture probes. Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM. Paper No. 76-14.	M/C	S+PPV	http://gsa.confex.com/gsa/2008AM/finalprogram/abstract_145987.htm
2008	Kizito, F., Campbell, C.S., Campbell, G.S., Cobos, D.R., Teare, B.L., Carter, B. and Hopmans, J.W. 2008. Frequency, electrical conductivity and temperature analysis of a low-cost capacitance soil moisture sensor. <i>Journal of Hydrology</i> . 352:367-378.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Kjelgaard, J.F., Heilman, J.L., McInnes, K.J., Owens, M.K. and Kamps, R.H. 2008. Carbon dioxide exchange in a subtropical, mixed C3/C4 grassland on the Edwards Plateau, Texas. <i>Agricultural and Forest Meteorology</i> . 148:953-963.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Kumagai, T., Tateishi, M. Shimizu, T. and Otsuki, K. 2008. Transpiration and canopy conductance at two slope positions in a Japanese cedar forest watershed. <i>Agricultural and Forest Meteorology</i> . 148(10):1444-1455.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Lea-Cox, J.D., Ristvey, A.G., Arguedas Rodriguez, F., Ross, D.S., Anhalt, J. and Kantor, G. 2008. A low-cost multihop wireless sensor network, enabling real-time management of environmental data for the greenhouse and nursery industry. <i>Acta Hort</i> , in press.	M/C	S+PPV	http://www.newaginternational.com/greensys/greensysabstracts.pdf
2008	Lewicki, J.L., Fischer, M.L. and Hilley, G.E. 2008. Six-week time series of eddy covariance CO ₂ flux at Mammoth Mountain, California: Performance evaluation and role of meteorological forcing. <i>Journal of Volcanology and Geothermal Research</i> . 171:178-190.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Lin, H. and Zhou, X. 2008. Evidence of subsurface preferential flow using soil hydrologic monitoring in the Shale Hills catchment. <i>European Journal of Soil Science</i> . 59:34-49.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/119416125/abstract
2008	Losic, M. and Marshall, S.J. 2008. Contributions to glacier energy balance from turbulent heat fluxes and meltwater percolation dynamics. <i>Eos Trans. AGU</i> , 89(53), Fall Meet. Suppl., Abstract C21A-0512.	M/C	S+PPV	http://www.agu.org/cgi-bin/SFgate/SFgate?&listenv=table&multiple=1&range=1&directget=1&application=fm08&database=%2Fdata%2Fepubs%2Fwai
2008	McCulloch, J., McCarthy, P., Mayura Guru, S., Peng, W., Hugo, D. and Terhorst, A. 2008. Wireless sensor network deployment for water use efficiency in irrigation. <i>European Conference on Computer Systems. Proceedings of the workshop on Real-world wireless sensor networks</i> , Glasgow, Scotland. 46-50.	M/C	S+PPV	http://portal.acm.org/citation.cfm?id=1435487
2008	Mertens, J., Tuts, V., Diels, J., Vanderborght, J., Feyen, J. and Merckx, R. 2008. Design and testing of a drop counter for use in vadose zone water samplers. <i>Vadose Zone J.</i> 7:434-438.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/7/2/434
▶ 2008	Moghaddam, M., Entekhabi, D., Goykhman, Y., Liu, M., Mahajan, A., Nayyar, A., Shuman, D., and Teneketzis, D. 2009. A soil moisture smart sensor web using data assimilation and optimal control: Formulation and first laboratory demonstration. 4pp. <i>IEEE-IGARSS08</i> , Boston, MA, July 2008.	M/C	FFT	http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4780047
2008	Monerris, A., Vall-llossera, M., Camps, A. and Piles, M. 2008. Radiometric Observations of Vines from the Green Period to the Withering. <i>Microwave Radiometry and Remote Sensing of the Environment</i> , 2008. MICRORAD. DOI: 10.1109/MICRAD.2008.4579515.	Paper	S+PPV	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4579515
2008	Morel, P., Guillemain, G. and Michel, J.C. 2008. Temperature and salinity effects on measurements of growing media moisture content carried out with TDR and capacitance probes. <i>Acta Hort</i> . 779:393-400.	M/C	S+PPV	http://www.actahort.org/books/779/779_49.htm

2008	Nakano, T., Nemoto, M. and Shinoda, M. 2008. Environmental controls on photosynthetic production and ecosystem respiration in semi-arid grasslands of Mongolia. <i>Agricultural and Forest Meteorology</i> 148:1456–1466.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Paige, G.B. and Keefer, T.O. 2008. Comparison of field performance of multiple soil moisture sensors in a semi-arid rangeland. <i>Journal of the American Water Resources Association (JAWRA)</i> 44(1):121-135.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/119414220/abstract
2008	Payero, J.O. and Irmak, S. 2008. Construction, installation, and performance of two repacked weighing lysimeters. <i>Irrig. Sci.</i> 26:191–202.	Paper	S+PPV	www.springerlink.com
2008	Pierce, F.J. and Elliott, T.V. 2008. Regional and on-farm wireless sensor networks for agricultural systems in Eastern Washington. <i>Computers and Electronics in Agriculture</i> 61:32–43.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Ramírez-Beltrán, N.D., Castro, J.M. Harmsen, E. and Vásquez, R. 2008. Stochastic transfer function model and neural networks to estimate soil moisture. <i>Journal of the American Water Resources Association (JAWRA)</i> . 44(4):847-865.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/120124440/abstract
2008	Pypker, T.G., Hauck, M., Sulzman, E.W., Unsworth, M.H., Mix, A.C., Kayler, Z., Conklin, D., Kennedy, A.M., Barnard, H.R., Phillips, C. and Bond, B.J. 2008. Toward using $\delta^{13}\text{C}$ of ecosystem respiration to monitor canopy physiology in complex terrain. <i>Oecologia</i> . 158:399-410.	Paper	S+PPV	www.springerlink.com
2008	Robinson, D.A., Campbell, C.S., Hopmans, J.W., Hornbuckle, B.K., Jones, S.B., Knight, R., Ogden, F., Selker, J. and Wendroth, O. 2008. Soil Moisture Measurement for Ecological and Hydrological Watershed-Scale Observatories: A Review. <i>Vadose Zone J.</i> 7:358-389.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/7/1/358
2008	Rousseaux, M.C., Benedetti, J.P. and Searles, P.S. 2008. Leaf-level responses of olive trees (<i>Olea europaea</i>) to the suspension of irrigation during the winter in an arid region of Argentina. <i>Scientia Horticulturae</i> . 115(2):135-141.	Paper	S+PPV	http://www.sciencedirect.com/science
2008	Saito, T., Fujimaki, H. and Inoue, M. 2008. Calibration and Simultaneous Monitoring of Soil Water Content and Salinity with Capacitance and Four-electrode Probes. <i>American Journal of Environmental Sciences</i> 4(6):683-692.	Paper	S+PPV	http://www.scipub.org/fulltext/ajes/ajes46683-692.pdf
2008	Sanderman, J. and Amundson, R. 2008. A comparative study of dissolved organic carbon transport and stabilization in California forest and grassland soils. <i>Biogeochemistry</i> . 89(3):309-327.	Paper	S+PPV	www.springerlink.com
2008	Thomas, S.M., Beare, M.H., Francis, G.S., Barlow, H.E. and Hedderley, D.I. 2008. Effects of tillage, simulated cattle grazing and soil moisture on N ₂ O emissions from a winter forage crop. <i>Plant Soil</i> . 309:131–145.	Paper	S+PPV	www.springerlink.com
2008	Tsuchiya, A.; Tanaka, A. 2008. MICROMETEOROLOGICAL ENVIRONMENTS AND BIODIVERSITY IN A CLOSED FOREST AND AT A TREE-FALL GAP IN CENTRAL AMAZONIA. <i>Ciência Florestal</i> . 18(4):415-426.	Paper	FFT	http://www.ufsm.br/cienciaflorestal/artigos/v18n4/A1V18N4.pdf
2008	Udo, K., Kuriyama, Y. and Jackson, D.W.T. 2008. Observations of wind-blown sand under various meteorological conditions at a beach, <i>J. Geophys. Res.</i> , 113, F04008, doi:10.1029/2007JF000936.	Paper	FFT	http://www.science.ulster.ac.uk/ccmr/cmr/japan_paper.pdf
2008	Vargas, R. and Allen, M.F. 2008. Environmental controls and the influence of vegetation type, fine roots and rhizomorphs on diel and seasonal variation in soil respiration. <i>New Phytologist</i> . 179: 460–471.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/120120912/abstract
2008	Vargas, R. and Allen, M.F. 2008. Dynamics of Fine Root, Fungal Rhizomorphs, and Soil Respiration in a Mixed Temperate Forest: Integrating Sensors and Observations. <i>Vadose Zone J.</i> 7:1055-1064.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/7/3/1055
2008	van der Velde, R. Su, Z and Ma, Y. 2008. Impact of Soil Moisture Dynamics on ASAR σ^0 Signatures and Its Spatial Variability Observed over the Tibetan Plateau. <i>Sensors</i> . 8:5479-5491.	Paper	FFT	http://www.mdpi.org/sensors/papers/s8095479.pdf
2008	Zaragoza-Castells, J., Sánchez-Gómez, D., Hartley, I.P., Matesanz, S., Valladares, F., Lloyd, J. and Atkin O.K. 2008. Climate-dependent variations in leaf respiration in a dry-land, low productivity Mediterranean forest: the importance of acclimation in both high-light and shaded habitats. <i>Functional Ecology</i> . 22(1):172–184.	Paper	S+PPV	http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2435.2007.01355.x
2008	Zhang, Y., Ishikawa, M., Ohata, T. and Oyunbaatar, D. 2008. Sublimation from thin snow cover at the edge of the Eurasian cryosphere in Mongolia. <i>Hydrological Processes</i> . 22:3564-3575.	Paper	FFT	http://www3.interscience.wiley.com/journal/117880342/abstract?CRETRY=1&SRET
2008	Zotarelli, L., Dukes, M.D., Scholberg, J.M., Hanselman, T., Le Femminella, K. and Muñoz-Carpena, R. 2008. Nitrogen and water use efficiency of zucchini squash for a plastic mulch bed system on a sandy soil. <i>Scientia Horticulturae</i> . 116(1):8-16.	Paper	S+PPV	http://www.sciencedirect.com/science

2007	Alberti, G., Inghima, I., Arriga, N., Piermatteo, D., Pecchiari, M., Zaldei, A., Papale, D., Peressotti, A., Valentini, R., Cotrufo, M.F. and Miglietta, F. 2007. Cambiamenti nel regime pluviometrico in ecosistemi mediterranei: il progetto MIND. Forest@. 4(4):460-468.	M/C	FFT Italian	http://www.sisef.it/forest@/pdf/Alberti_493.pdf
2007	Allen, M.F., Vargas, R., Graham, E.A., Swenson, W., Hamilton, M., Taggart, M., Harmon, T.C., Rat'ko, A., Rundel, P., Fulkerson, B. and Estrin, D. 2007. Soil sensor technology: life within a pixel. BioScience. 57(10):859-867.	M/C	S+PPV	http://www.bioone.org/perlserv/?request=get-pdf&doi=10.1641%2FB571008
2007	Arguedas, F.R., Lea-Cox, J.D. and Ristvey, A.G. 2007. Characterizing air and water content of soilless substrates to optimize root growth.. Comb. Proc. Int. Pl. Prop. Soc. 57:(in Press).	M/C	PPV	http://www.ipps.org/index.html
2007	Bandaranayake, W.M. 2007. Performance of the capacitance type New EC-5 ECH2O soil water probes in Florida sandy soil. The ASA-CSSA-SSSA International Annual Meetings (November 4-8, 2007). Communication 305-17.	M/C	S+PPV	http://a-c-s.confex.com/a-c-s/2007am/techprogram/P32578.HTM
2007	Bandaranayake, W.M., Parsons, L.R., Borhan, M.S. and Holeton, J.D. 2007. Performance of a capacitance-type soil water probe in a well-drained sandy soil. Soil Sci. Soc. Am. J. 71:993-1002.	Paper	S+PPV	http://soil.scijournals.org/cgi/content/abstract/71/3/993
2007	Bogena, H.R., Huisman, J.A., Oberdoerster, C. and Vereecken, H. 2007. Evaluation of a low-cost soil water content sensor for wireless network applications. Journal of Hydrology. 344(1-2):32-42 .	M/C	S+PPV	http://www.sciencedirect.com/science
2007	Daikoku, K., Hattori, S., Deguchi, A., Fujita, Y., Araki, M. and Nobuhiro, T. 2007. Stomatal Response Characteristics of Dry Evergreen and Dry Deciduous Forests in Kampong Thom, Cambodia. In: Forest Environments in the Mekong River Basin. Haruo Sawada, Makoto Araki, Nick A. Chappell, James V. LaFrankie and Akira Shimizu (Eds). 97-111.	BC	FFT	www.springerlink.com
2007	Dinger, E.J. 2007. Evaluating the effectiveness of commonly used herbaceous weed control regimes in a Pacific Northwest conifer plantation. Oregon State University. Master of Science. 125pp.	SP	FFT	https://ir.library.oregonstate.edu/dspace/handle/1957/5917
2007	Emanuel, R.E., D'Odorico, P. and Epstein, H.E. 2007. Evidence of optimal water use by vegetation across a range of North American ecosystems. GEOPHYSICAL RESEARCH LETTERS, VOL. 34, L07401.	M/C	S+PPV	http://www.agu.org/cgi-bin/SFgate/SFgate?&listenv=table&multiple=1&range=1&directget=1&application=fm06&database=%2Fdata%2Fepubs%2Fwai
2007	George, K., Ziska, L.H., Bunce, J.A. and Quebedeaux, B. 2007. Elevated atmospheric CO2 concentration and temperature across an urban-rural transect. Atmospheric Environment 41:7654-7665.	Paper	S+PPV	http://www.sciencedirect.com/science
2007	Gill, R.A. 2007. Influence of 90 years of protection from grazing on plant and soil processes in the subalpine of the Wasatch plateau, USA. Rangeland Ecology & Management. 60(1):88-98.	Paper	S+PPV	http://www.srmjournals.org/perlserv/?request=get-abstract&doi=10.2111%2F05-
2007	Goldman, J., Ramanathan, N., Ambrose, R., Caron, D.A., Estrin, D., Fisher, J.C., Gilbert, R., Hansen, M.H., Harmon, T.C., Jay, J., Kaiser, W.J., Sukhatme, G.S. and Tai, Y.-C. 2007. Distributed sensing systems for water quality assessment and management. Center for Embedded Networked Sensing. www.wilsoncenter.org 36pp.	PR	FFT	http://www.wilsoncenter.org/events/docs/Sensor_whitepaper_lr.pdf
2007	Hagyó, A., Farkas, C., Lukács, A., Csorba, S. and Németh, T. 2007. Water cycle of different wheat genotype under different water stresses. Akadémiai Kiadó. 35(2):437-440.	M/C	FFT	http://www.akademai.com/content/c33734780v8m0157/
2007	Hawkins, G., Sullivan, D., Truman, C. and Strickland, T. 2007. Thermal infrared imagery for better water conservation in agricultural fields. Proceedings of the 2007 Georgia Water Resources Conference; University of Georgia. 4pp.	M/C	FFT	http://www.uga.edu/water/publication/uploads/2007/5.7.2.pdf
2007	Kato, Y., Kamoshita, A., Yamagishi, J., Imoto, H. and Abe, J. 2007. Growth of rice (Oryza sativa L.) cultivars under upland conditions with different levels of water supply 3. root system development, soil moisture change and plant water status. Plant Prod. Sci. 10(1):3-13.	Paper	S+PPV	http://www.jstage.jst.go.jp/article/pps/10/1/10_3/article
2007	LeMone, M.A., Chen, F., Alfieri, J.G., Cuenca, R.H., Hagimoto, Y., Blanken, P., Niyogi, D., Kang, S., Davis, K., and Grossman, R.L. 2007. NCAR/CU Surface, soil, and vegetation observations during the international H ₂ O Project 2002 field campaign. Bull. Amer. Meteor. Soc. January 2007. 65-81.	PR	FFT	http://www.agry.purdue.edu/climate/dev/publications/J48.pdf
2007	Leuzinger, S. and Körner, C. 2007. Water savings in mature deciduous forest trees under elevated CO ₂ . Global Change Biology. 13:2498-2508.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/117991508/abstract
2007	Mitsuishi, S. and Mizoguchi, M. 2007. Effects of dry bulk density and soil type on soil moisture measurement using ECH2O-TE probe. The ASA-CSSA-SSSA International Annual Meetings (November 4-8, 2007).	M/C	S+PPV	http://a-c-s.confex.com/crops/2007am/techprogram/P36281.HTM

2007	Mollard, F.P.O., Insausti, P. and Sanchez, R.A. 2007. Flooding induces secondary dormancy in <i>Setaria parviflora</i> seeds. Seed Science Research. 17:55-62.	Paper	FFT	http://journals.cambridge.org/download.php?file=%2FSSR%2FSSR17_01%2FS0960258507659212a.pdf&code=d62d1a1d9d985c133f42f347c677729f
2007	Moyano, F.E., Kutsch, W.L. and Schulze, E.D. 2007. Response of mycorrhizal, rhizosphere and soil basal respiration to temperature and photosynthesis in a barley field. Soil Biology and Biochemistry. 39(4):843-853.	Paper	S+PPV	http://www.sciencedirect.com/science
2007	Nemali, K.S., Montesano, F., Dove, S.K. and van Iersel, M.W. 2007. Calibration and performance of moisture sensors in soilless substrates: ECH2O and Theta probes. Scientia Horticulturae. 112(2):227-234.	Paper	S+PPV	http://www.sciencedirect.com/science
2007	Ota, M., Iida, T., Yamazawa, H., Nagarra, S., Ishimori, Y., Sato, K. and Tokizawa, T. 2007. Suppression of radon exhalation from soil by covering with clay-mixed soil. Journal of Nuclear Science and Technology. 44(5):791-800.	Paper	FFT	http://www.jstage.jst.go.jp/article/jnst/44/5/44_791/article
2007	Panchar, J., Rao, S., Prabhakar T.V., Hubaux, J.P. and Jamadagni, H.S. 2007. COMMONSense Net: A wireless sensor network for resource-poor agriculture in the semiarid areas of developing countries. Information Technologies and International Development. 4(1):51-67.	Paper	FFT	http://www.mitpressjournals.org/doi/abs/10.1162/itid.2007.4.1.51
2007	Petersson, M., Hagström, J., Nilsson, K. and Stading, M. 2007. Kinetics of release from kafirin films. Food Hydrocolloids. 21(8):1256-1264.	Paper	S+PPV	http://www.sciencedirect.com/science
2007	Simoës, R.P., Raper, R.L., Arriaga, F.J., Balkcom, K.S. and Shaw, J.N. 2007. Reduction of soil compaction in a cotton and peanut rotation using conservation systems. The ASA-CSSA-SSSA International Annual Meetings, November 2007. 209-3. 10pp.	M/C	FFT	http://www.ars.usda.gov/SP2UserFiles/Place/64200500/csr/ResearchPubs/raper/ruisimoës_07a.pdf
2007	Totsche, K.U., Jann, S. and Kögel-Knabner, I. 2007. Single event-driven export of polycyclic aromatic hydrocarbons and suspended matter from coal tar-contaminated soil. Vadose Zone J. 6:233-243.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/6/2/233
2007	van Iersel, M., Kang, J-G. and Burnett, S. 2007. Making Greenhouse Irrigation More Efficient: Effects of Substrate Water Content on the Growth and Physiology of <i>Vinca</i> (<i>Catharanthus roseus</i>). SNA RESEARCH CONFERENCE. 52:21-25.	M/C	FFT	http://www.sna.org/who/index.shtml
2007	Vitale, L., Di Tommasi, P., Arena, C., Fierro, A., Virzo, De Santo, A., and Magliulo, V. 2007. Effects of water stress on gas exchange of field grown <i>Zea mays</i> L. in Southern Italy: an analysis at canopy and leaf level. Acta Physiol Plant. 29:317-326.	Paper	S+PPV	www.springerlink.com
2007	Ward, A.L., Link, S.O., Strickland, C.E., Draper, K.E. and Clayton, R.E. 2007. 200-BP-1 Prototype Hanford Barrier Annual Monitoring Report for Fiscal Years 2005 Through 2007. Pacific Northwest National Laboratory operated by Battelle for the United States Department of Energy. 109pp.	PR	FFT	http://www.osti.gov/bridge/product.biblio.jsp?osti_id=927493
2007	Zhang, Y., Kadota, T., Ohata, T. and Oyunbaatar, D. 2007. Environmental controls on evapotranspiration from sparse grassland in Mongolia. Hydrol. Process. 21:2016-2027.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/114285996/abstract
2007	Ziska, L.H., George, K. and D. A. Frenz, D.A. 2007. Establishment and persistence of common ragweed (<i>Ambrosia artemisiifolia</i> L.) in disturbed soil as a function of an urban-rural macro-environment. Global Change Biology. 13:266-274.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/117991455/abstract
2006	Arguedas, F.R., Lea-Cox, J.D. and Méndez, C.H. 2006. Calibration of Ech20 probe sensors to accurately monitor water status of traditional and alternative substrates for container production. SNA RESEARCH CONFERENCE. 51:501-505.	M/C	FFT	www.sna.org/research/06proceedings/06proceedingspdfs/11WaterMgmt.pdf
2006	Atish Dipankar. 2006. Environmental monitoring using sensor networks. Student work. Department of Computer Science & Engineering Indian Institute of Technology, Delhi. 20pp.	SP	FFT	http://www.cse.iitd.ernet.in/~csd01417/Midterm_MTP_Part2/Midterm_Report_MTP_P
2006	Bogena, H.R., Huisman, J.A., Oberdoerster, C. and Vereecken, H. 2006. Testing a cheap sensor for large soil moisture network applications. American Geophysical Union, Fall Meeting 2006, abstract #H31B-1421.	M/C	FFT	http://www.agu.org/cgi-bin/SFgate/SFgate?&listenv=table&multiple=1&range=1&directget=1&application=frm06&database=%2Fdata%2Fepubs%2Fwai
2006	Daniels, M.H., Chow, F.K. and Poulos, G.S. 2006. Effects of soil moisture initialization on simulations of atmospheric boundary layer evolution in Owens Valley. Paper 7.2, 12th Conference on Mountain Meteorology, American Meteorological Society, August 28-September 1, 2006, Santa Fe, NM.	M/C	FFT	http://www.ce.berkeley.edu/~chow/pubs/Daniels_Chow_Poulos_AMS_MM2006.pdf

2006	de Dato, G., Pellizzaro, G., Cesaraccio, C., Sirca, C., De Angelis, P., Duce, P., Spano, D. and Scarascia Mugnozza, G. 2006. Effects of warmer and drier climate conditions on plant composition and biomass production in a Mediterranean shrubland community. <i>Forest@</i> . 3(4):511-526.	Paper	FFT	http://www.sisef.it/forest@/show.php?id=418&action=full
2006	Fang, W. and Ray, W. 2006. Moisture content measurement of bark and <i>Sphagnum</i> moss using ECH2O sensor for the production of <i>Phalaenopsis</i> . http://www.ecaa.ntu.edu.tw/weifang/ebook/IHC2006-S06-O-12 .	OnLine	FFT	http://www.ecaa.ntu.edu.tw/weifang/ebook/IHC2006-S06-O-12.pdf
2006	Fares, A. and Polyakov, V. 2006. Advances in crop water management using capacitive sensors. <i>Advances in Agronomy</i> . 90:43-77.	BC	PPV	http://www.elsevier.com/wps/find/bookdescription.cws_home/709398/description#description
2006	Greer, R.C., Wu, J.Q., Singh, P., and McCool, D.K. 2006. WEPP Simulation of observed winter runoff and erosion in the U.S. Pacific Northwest. <i>Vadose Zone Journal</i> 5:261-272.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/5/1/262
2006	Hollabaugh, E.M. 2006. Field performance of instrumentation for monitoring the effects of timber harvesting on water quality. Thesis. Faculty of the Graduate School University of Missouri. Columbia.	PhD	FFT	http://edt.missouri.edu/Fall2006/Thesis/HollabaughE-120406-T5427/research.pdf
2006	Konopka, B., Noguchi, K., Sakata, T., Takahashi, M. and Konopkova, Z. 2006. Fine root dynamics in a Japanese cedar (<i>Cryptomeria japonica</i>) plantation throughout the growing season. <i>Forest Ecology and Management</i> . 225(1-3):278-286.	Paper	S+PPV	http://www.sciencedirect.com/science
2006	Mattson, E.D., Baker, K.E., Palmer, C.D., Breckenridge, C.R., Svoboda, J.M. and Smith, R.W. 2006. A flexible water content probe for unsaturated soil column experiments. <i>Vadose Zone J.</i> 5:805-808.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/5/2/805
2006	Mojid Mohammed Abdul and Cho Hiroyuki 2006. Response of the ECH2O soil moisture probe in electrically conductive soils. <i>Environ. Control Biol.</i> 44(3):225-230.	Paper	S+PPV	http://scielinks.jp/j-east/article/200622/000020062206A08357
2006	Mosier, A.R., Halvorson, A.D., Reule, C.A. and Liu, X.J. 2006. Net global warming potential and greenhouse gas intensity in irrigated cropping systems in Northeastern Colorado. <i>J. Environ. Qual.</i> 35:1584-1598.	Paper	FFT	http://jeq.scijournals.org/cgi/content/full/35/4/1584
2006	Murphy, M.A. and Post, C.J. 2006. A state machine sensor network for ephemeral stream detection. <i>International Journal of Distributed Sensor Networks</i> . 2(3):191-199.	Paper	S+PPV	http://www.informaworld.com/smpp/content-content=a748867348-db=all
2006	Nemali, K.S. and van Iersel, M.W. 2006. An automated system for controlling drought stress and irrigation in potted plants. <i>Scientia horticultrae</i> . 110(3):292-297.	Paper	S+PPV	http://cat.inist.fr/?aModele=afficheN&cpsidt=18207616
2006	Pierce, F.J., Chávez, J.L., Elliott, T.V., Matthews, G.R., Evans, R.G. and Yunseop Kim. 2006. A remote-real-time continuous move irrigation control and monitoring system. Paper number 062162, 2006 ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=20732&t=1
2006	Riley, T.C., Endreny, T.A. and Halfman, J.D. 2006. Monitoring soil moisture and water table height with a low-cost data logger. <i>Computers & Geosciences</i> . 32:135-140.	Paper	FFT	http://www.esf.edu/erfeg/endreny/papers/RileyEndrenyHalfman-CompGeo-2006.pdf
2006	Robinson, D.A., Binley, A., Crook, N., F.D. Day-Lewis, F.D., Ferré, T.P.A., Grauch, V.J.S., Knight, R., Knoll, M., Lakshmi, V., Miller, R., Nyquist, J., Pellerin, L., Singha, K., and Slater, L. 2006. A vision for geophysics instrumentation in watershed hydrological research. A Report to the Consortium of Universities for the Advancement of Hydrologic Sciences, Inc. 52pp.	PR	FFT	http://www.cuahsi.org/hmf/docs/geophysics-20061031.pdf
2006	Sass, J.F. and Horgan, B.P. 2006. Irrigation scheduling on sand-based creeping bentgrass: evaluating evapotranspiration estimation, capacitance sensors, and deficit irrigation in the upper Midwest. <i>Applied Turfgrass Science</i> doi:10.1094/ATS-2006-0330-01-RS.	Paper	FFT	http://www.plantmanagementnetwork.org/ats/search/search_action.asp
2006	Shen, H., Tang, Y. and Washitani, I. 2006. Morphological plasticity of <i>Primula nutans</i> to hummock-and-hollow microsites in an alpine wetland. <i>J. Plant Res.</i> 119(3):257-264.	Paper	S+PPV	www.springerlink.com
2006	van Iersel, M., Burnett, S. and Dove, S. 2006. Increasing Irrigation Efficiency: Water Requirements of <i>Petunia</i> and <i>Salvia</i> . <i>SNA RESEARCH CONFERENCE</i> . 51:640-643.	M/C		http://www.sna.org/research/06proceedings/06proceedingspdfs/13Floriculture.pdf
2006	Ventura, F., Snyder, R.L. and Bali, K.M. 2006. Estimating evaporation from bare soil using soil moisture data. <i>Geophysical Research Abstracts</i> . 7:03181.	Paper	FFT	http://www.cosis.net/abstracts/EGU05/03181/EGU05-J-03181.pdf
2006	Vogler, E.T. and Chrysikopoulos, C.V. 2006. Influence of acoustic waves on perchloroethylene ganglia dissolution in a pore network. <i>Eos Trans. AGU</i> , 87(52), Fall Meet. Suppl.	M/C	S+PPV	<a h31b"="" href="http://www.agu.org/cgi-bin/SFgate/SFgate?&listenv=table&multiple=1&range=1&directget=1&application=fm06&database=%2Fdata%2Fepubs%2Fwais%2Findexes%2Ffm06%2Ffm06&maxhits=200&=">http://www.agu.org/cgi-bin/SFgate/SFgate?&listenv=table&multiple=1&range=1&directget=1&application=fm06&database=%2Fdata%2Fepubs%2Fwais%2Findexes%2Ffm06%2Ffm06&maxhits=200&="H31B"

2006	Ward, J.K., Arriaga, F.J., Balkcom, K.S., Kornecki, T.S., Bergtold, J.S., Price, A.J. and Raper, R.L. 2006. Effects of conservation systems on soil moisture and productivity in cotton. Paper number 061038, 2006 ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=22261&t=2
2006	Zhou, X., Lin, H. and Zhu, Q. 2006. Spatio-temporal soil moisture distribution and subsurface water flow in the Shale Hills Catchment. Eos Trans. AGU, 87(52), Fall Meet. Suppl.	M/C	S+PPV	http://www.agu.org/cgi-bin/SFgate/SFgate?&listenv=table&multiple=1&range=1&directget=1&application=fm06&database=%2Fdata%2Fepubs%2Fwai
2005	Balkcom, K.S., Arriaga, F.J., and Hartzog, D.L. 2005. Narrow and wide strip tillage production for peanut. Southern Conservation Tillage Systems Conference Clemson University. 47-54.	M/C	FFT	http://www.ars.usda.gov/SP2UserFiles/Place/64200500/csr/ResearchPubs/balkcom/balkcom_05a.pdf
2005	Blonquist, Jr.J.M., Jones, S.B. and Robinson, D.A. 2005. Special Section: Soil Water Sensing. Standardizing characterization of electromagnetic water content sensors. Part 2. Evaluation of seven sensing systems. Vadose Zone Journal. 4:1059-1069.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/4/4/1059
2005	Cardell-Oliver, R. 2005. ROPE: A Reactive, Opportunistic Protocol for Environment monitoring sensor networks. University of Western Australia.	Online	FFT	http://www.csse.uwa.edu.au/adhocnets/W_SNGroup/soil-water-proj/rope_fullpaper_26apr05.pdf
2005	Cardell-Oliver, R., Kranz, M., Smettem, K. and Mayer, K. 2005. A reactive soil moisture sensor network: design and field evaluation. International Journal of Distributed Sensor Networks. 1:149-162.	Paper	FFT	http://www.csse.uwa.edu.au/adhocnets/W_SNGroup/soil-water-
2005	Charlesworth, P. 2005. Soil water monitoring. An information package. 2nd Ed. Land & Water Australia 2005. 100pp.	Book	FFT	www.lwa.gov.au
2005	Christensen, N.B. 2005. Irrigation management using soil moisture monitors. Western Nutrient Management Conference. Salt Lake City, UT. 6:46-53.	M/C	FFT	http://isnap.oregonstate.edu/WCC103/2005_Proceedings/Christensen%20Irrigation
2005	Comas, X., Slater, L. and Reeve, A. 2005. Spatial variability in biogenic gas accumulations in peat soils is revealed by ground penetrating radar (GPR), Geophys. Res. Lett. 32(8). L08401.	M/C	S+PPV	http://www.agu.org/pubs/crossref/2005/2004GL022297.shtml
2005	Czarnomski, N.M., Moore, G.W., Pypker, T.G., Licata, J. and Bond, B.J. 2005. Precision and accuracy of three alternative instruments for measuring soil water content in two forest soils of the Pacific Northwest. Can. J. For. Res. 35:1867-1876.	Paper	FFT	http://www.fsl.orst.edu/~bond/PDF%20files%20of%20papers/czarnomski2005.pdf
2005	Dahan, O. 2005. Flexible probe for measuring moisture content in soil. Patent number: 6956381. Filing date: Oct 15, 2002. Issue date: Oct 18, 2005.	Patent	FFT	http://www.google.com/patents?hl=en&lr=&vid=USPAT6956381&id=xQAVAAAEB
2005	Dawson, T., Tu, K. and Brenner, R. 2005. The effects of rainfall variability on C-sequestration and ecosystem-atmosphere CO2 exchange in a California grassland. Annual Progress Report. National Institute for Global Environmental Change. 12pp.	PR	FFT	http://nigec.ucdavis.edu/publications/ar/annual2004/wg/WG04_Dawson.pdf
2005	De Angelis, P., de Dato, G., Spano, D., Duce, P., Sirca, C., Asunis, C., Pellizzaro, G., Cesaraccio, C., Sechi, S. and Scarascia Mugnozza, G. 2005. Una nuova area sperimentale di lungo termine, per lo studio degli effetti dell'incremento della temperatura e del periodo di aridità in formazioni di sclerofille mediterranee. Forest@. 2(1):37-51.	Paper	FFT	http://www.sisef.it/forest@/showNoFrames.php?action=getHTML(3,260)
2005	Dewey, D.W. 2005. Physiological and genetic control of water stress tolerance in zoysiagrass. Thesis. Texas A&M University. 197pp.	SP	FFT	http://txspace.tamu.edu/bitstream/handle/1969.1/3172/etd-tamu-2005C-MEPS-
2005	Dukes, M.D., Scholberg, J.M. and Hanselman, T.A. 2005. Quantification of Nitrogen Movement Under Drip Irrigated Vegetable Production. Paper number 052240, 2005 ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=19042&t=2
2005	Evelt, S.R. and Parkin, G.W. 2005. Advances in soil water content sensing. The continuing maturation of technology and theory. Vadose Zone Journal. 4:986-991.	Paper	FFT	http://www.cprl.ars.usda.gov/wmru/pdfs/986%20Evelt%20Soil%20Water%202005.pdf
2005	Gee, G.W. (Letter); Norman, J.M., Masarik, K.C., Brye, K.R. and Baker, J.M (Reply). 2005. Letters to the editors. Comments on "Masarik, K.C., Norman, J.M., Brye, K.R. and J.M. Baker. 2004. J. Environ. Qual. 33:1152-1158." Journal of Environmental Quality. 34:408-410.	Letter to the editors	FFT	http://jeq.scijournals.org/cgi/content/full/34/2/408
2005	Gee, G.W., Zhang, Z.F., Ward, A.L. and Keller, J.M. 2005. Passive-wick water fluxmeters. Gumpensteiner Lysimeteratung. 5-6:49-54.	Paper	FFT	http://www.gumpenstein.at/
2005	Ishikawa, M., Sharkhuu, N., Zhang, Y., Kadota, T. and Ohata, T. 2005. Ground thermal and moisture conditions at the southern boundary of discontinuous permafrost, Mongolia. Permafrost and Periglacial Processes. 16(2):209-216.	Paper	S+PPV	http://www3.interscience.wiley.com/cgi-bin/abstract/110505354/ABSTRACT



2005	Kaleita, A.L., Heitman, J.L. and Logsdon, S.D. 2005. Field calibration of the theta probe for Des Moines lobe soils. <i>Applied Engineering in Agriculture</i> . 21(5):865-870.	Paper	FFT	http://www.public.iastate.edu/~kaleita/sw5673.pdf
2005	Kranz, M. 2005. SENSID: a SENSor Network Situation Detector. Student work. University of Western Australia, 94pp.	SP	FFT	http://undergraduate.csse.uwa.edu.au/year4/Current/Students/Files/2005/MarkKranz/Sensid-Dissertation.pdf
2005	Kuo, Y-M., Muñoz-Carpena, R., Li, Y., Campbell, K.L. and Parsons, J.E. 2005. Using vegetative filter strips to reduce phosphorus transport from the phosphorus mining areas in central Florida. Paper number 052174, 2005 ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=19809&t=2
2005	Laurent, J.P., Olivier, F. and Gourc, J.P. 2005. Monitoring moisture content in Municipal Solid Waste: results of a preliminary test under laboratory conditions. International Workshop on Hydro-Physico-Mechanics of Landfills, Grenoble University. 21-22 March.	M/C	FFT	http://www.lirigm.ujf-grenoble.fr/PDF/W_A/04-Laurent.pdf
2005	Luedeling, E., Nagieb, M., Wichern, F., Brandt, M., Deurer, M. and Buerkert, A. 2005. Drainage, salt leaching and physico-chemical properties of irrigated man-made terrace soils in a mountain oasis of northern Oman. <i>Geoderma</i> . 125:273-285.	Paper	FFT	http://www.wiz.uni-kassel.de/bok/documents/pdfDateien/brandt2_2005pdf.pdf
2005	Mancilla, G.A. and Chen, S. 2005. A field study on sediment transport capacity on Rills. American Society of Agricultural and Biological Engineers, Paper number 052051, 2005 ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=18905&t=2
2005	Martínez-Fernández, J. and Ceballos, A. 2005. Mean soil moisture estimation using temporal stability analysis. <i>Journal of Hydrology</i> . 312(1-4):28-38.	Paper	S+PPV	http://www.sciencedirect.com/science
2005	Matsumoto, K., Ohta, T. and Tanaka, T. 2005. Dependence of stomatal conductance on leaf chlorophyll concentration and meteorological variables. <i>Agricultural and Forest Meteorology</i> . 132:44-57.	SP	S+PPV	http://www.sciencedirect.com/science
2005	Meston, J.C. 2005. Efficiency and robustness in the gathering of data in wireless sensor networks: making every bit count. Student work. University of Western Australia, 52pp.	SP	FFT	http://undergraduate.csse.uwa.edu.au/year4/Current/Students/Files/2005/JockMesto
2005	Moss, M. 2005. Evaluation of Event-Aware Environmental Data Compression Schemes for Wireless Sensor Networks. Student work. University of Western Australia, 61pp.	SP	FFT	http://www.csse.uwa.edu.au/~rachel/AdHocProjects/mark.moss.hons2005.dissertation.pdf
2005	Nemali, K.S. 2005. Water requirements of bedding plants: Managing substrate water content and studying physiological and growth responses of plants to varying levels of water content. <i>HortScience</i> . 40:993-1147.	Paper	S+PPV	http://hortsci.ashspublications.org/cgi/content/abstract/40/4/1115-c
2005	Nemali, K.S. and van Iersel, M.W. 2005. A Novel Automated System for Irrigation and Simulating Drought Stress in Potted Plants. SNA RESEARCH CONFERENCE. 50:690-695..	M/C	FFT	http://www.sna.org/research/05proceedings/05proceedingshtmls/13Floriculture.html
2005	Nemali, K.S. and van Iersel, M.W. 2005. A novel automated system for irrigation and simulating drought stress in potted plants. <i>HortScience</i> . 40:993-1147.	M/C	S+PPV	http://hortsci.ashspublications.org/cgi/content/abstract/40/4/1017-c?maxtoshow=&HITS=10&hits=10&RESU
2005	Norikane, J.H., Prenger, J.J., Rouzan-Wheeldon, D.T. and Levine, H.G. 2005. A comparison of soil moisture sensors for space flight applications. <i>Applied Engineering in Agriculture</i> . 21(2):211-216.	Paper	S+PPV	http://asae.frymulti.com/abstract.asp?aid=18155&t=1
2005	Overduin, P.P., Yoshikawa, K., Kane, D.L. and Harden, J.W. 2005. Comparing electronic probes for volumetric water content of low-density feathermoss. <i>Sensor Review</i> . 25(3):215-221.	Paper	S+PPV	http://www.ingentaconnect.com/content/mcb/087/2005/00000025/00000003/art0000
2005	Plauborg, F., Iversen, B.V. and Lærke, P.E. 2005. In situ comparison of three dielectric soil moisture sensors in drip irrigated sandy soils. <i>Vadose Zone J.</i> 4:1037-1047.	Paper	S+PPV	http://intl-vzi.geoscienceworld.org/cgi/content/abstra
2005	Porter, S.C. 2005. The use of a rainfall simulator for brush control research on the Edwards Plateau region of Texas. MSc. Texas A&M University. 93pp.	SP	FFT	http://txspace.tamu.edu/bitstream/handle/1969.1/3174/etd-tamu-2005C-BAEN-
2005	Rogiers, N. 2005. Impact of site history and land-management on CO2 fluxes at a grassland in the Swiss Pre-Alps. Thesis. Universität Bern. pp187.	PhD	FFT	http://lac.web.psi.ch/LAC_Publications/2005/LACpdfs_2005/Diss_RogiersNele.pdf
2005	Rogiers, N., Eugster, W., Furger, M. and Siegwolf, R. 2005. Effect of land management on ecosystem carbon fluxes at a subalpine grassland site in the Swiss Alps. <i>Theoretical and Applied Climatology</i> . 80(2-4):187-203.	Paper	S+PPV	www.springerlink.com
2005	Saito, T., Fujimaki, H. and Inoue, M. 2005. Calibration method of dielectric soil moisture sensors considering the effect of salt concentration. The ASA-CSSA-SSSA International Annual Meetings (November 6-10, 2005).	M/C	S+PPV	http://a-c-s.confex.com/crops/2005am/techprogram/P7195.HTM



2005	Schroder, J., Muñoz-Carpena, R., Dukes, M. and Li, Y. 2005. The development and testing of an automated drip fertigation system for sustainable agriculture. Paper number 052239, 2005 ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=19818&t=2
2005	Teillet, P.M., Chichagov, A., Fedosejevs, G., Gauthier, R.P., Ainsley, G., Maloley, M. Guimond, M., Nadeau, C., When, H., Shankaie, A., Yang, J., Cheung, M., Smith, A., Bourgeois, G., de Jong, R. Tao, V.C., Liang, S.H.L. Freemantle, J., and Salopek, M. 2005. Overview of an intelligent sensorweb for integrated earth sensing project. Presented at the 26th Canadian Symposium on Remote Sensing in Wolfville, Nova Scotia, June 14-16, 2005. 13pp.	M/C	FFT	http://sensorweb.geoict.net/Assets/publications/Teillet_Sensorweb_2005.pdf
2005	Twumasi, P., van Ieperen, W., Woltering, E.J., Emons, A.M.C., Schel, J.H.N., Snel, J.F.H., van Meeteren, U. and van Marwijk, D. 2005. Effects of water stress during growth on xylem anatomy, xylem functioning and vase life in three <i>Zinnia elegans</i> cultivars. Acta Horticulturae. 669:303-311.	M/C	S+PPV	http://www.actahort.org/books/669/669_40.htm
2005	van der Velde, M., Green, S.R., Gee, G.W., Vanclooster, M. and Clothier, B.E. 2005. Evaluation of drainage from passive suction and nonsuction flux meters in a volcanic clay soil under tropical conditions. Vadose Zone Journal. 4:1201-1209.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/4/4/1201
2005	Yoshikawa, K. and Overduin, P.P. 2005. Comparing unfrozen water content measurements of frozen soil using recently developed commercial sensors. Cold Regions Science and Technology. 42(3):250-256.	Paper	S+PPV	www.sciencedirect.com
2005	Zheng, Y., Xie, Z., Yu, Y., Jiang, L., Shimizu, H. and Rimmington G.M. 2005. Effects of burial in sand and water supply regime on seedling emergence of six species. Annals of Botany. 95:1237-1245.	Paper	S+PPV	http://aob.oxfordjournals.org/cgi/content/abstract/95/7/1237
2004	Bellow, J.G. 2004. Fruit-tree-based agroforestry in the western highlands of Guatemala: an evaluation of tree-crop interactions and socioeconomic characteristics. Thesis. University of Florida. 235pp.	PhD	FFT	http://www.coaps.fsu.edu/~bellow/research/bellow2004.pdf
2004	Borhan, M.S. and Parsons, L.R. 2004. Monitoring of soil water content in a citrus grove using capacitance ECH2O probes. Paper number 042110, ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=16383&t=2
2004	Cardell-Oliver, R., Smettem, K., Kranz, M., and Mayer, K. 2004. Field testing a wireless sensor network for reactive environmental monitoring [soil moisture measurement]. 7-12. DOI: 10.1109/ISSNIP.2004.1417429.	OnLine	FFT	http://www.csse.uwa.edu.au/adhocnets/W/SNgroup/soil-water-proj/final.issnip04.25oct.pdf
2004	Bosch, D.D. 2004. Comparison of capacitance-based soil water probes in coastal plain soils. Vadose Zone Journal. 3:1380-1389.	Paper	FFT	www.ars.usda.gov/research/publications/publications.htm?SEQ_NO_115=142394
2004	Gee, G.W., Zhang, Z.F., Ward, A.L., and Keller, J.M. 2004. Passive-wick water flux meters: Theory and practice. In SuperSoil 2004: Australian New Zealand Soils Conf., 3rd, Sydney, Australia. 5-9 Dec. 2004 [CD-ROM]. Univ. of Sydney, Australia.	M/C	FFT	http://www.regional.org.au/au/asssi/supersoil2004/s15/oral/1627_geeg.htm
2004	Ishikawa, M., Zhang, Y., Kadota, T., Yabuki, H. and Ohata, T. 2004. Hydro-thermal regimes of dry active layer -first two years observations at a grassland site-. Proceedings of the 3rd International Workshop on Terrestrial Change in Mongolia, Tsukuba, Japan. 25-28.	M/C	FFT	http://www.suiri.tsukuba.ac.jp/bulletin/t5supple/t5supple_25.pdf
2004	Jones, S.B., Blonquist, Jr.J.M., Robinson, D.A., Rasmussen, V.P. and Orb, D. 2004. Standardizing characterization of electromagnetic water content sensors. Part 1. Methodology. Vadose Zone Journal. 4:1048-1058.	Paper	S+PPV	http://vzi.scijournals.org/cgi/content/abstract/4/4/1048
2004	Masarik, K.C., Norman, J.M., Brye, K.R. and Baker, J.M. 2004. Improvements to measuring water flux in the vadose zone. J. Environ. Qual. 33:1152-1158.	Paper	FFT	http://jeq.scijournals.org/cgi/reprint/33/3/1152
2004	Nemali, K.S. and van Iersel, M.W. 2004. Moisture stress for growth control: physiological responses of salvia (<i>Salvia splendens</i>) and vinca (<i>Catharanthus roseus</i>). SNA Research Conference. 49:618-623.	M/C	FFT	http://www.hortphys.uga.edu/pubs/Proc%20of%20the%20SNA%20research%20conf%2049,%20618-623.pdf
2004	O'Connell, N.V. and Snyder, R.L. 2004. Monitoring soil moisture with inexpensive dielectric sensors (Echoprobe) in citrus orchard under low volume irrigation. ISHS Acta Horticulturae 664: IV International Symposium on Irrigation of Horticultural Crops.	M/C	S+PPV	http://www.actahort.org/books/664/664_56.htm
2004	Sorenson, J.R. 2004. The use of a large plot rainfall simulation to investigate runoff generation on the edwards plateau, Texas. Texas A&M University. 43pp.	SP	FFT	http://txspace.tamu.edu/handle/1969.1/3045
2004	van den Elsen, E., Eeman, S., Stolte, J. and Ritsema, C. 2004. Measuring precipitation, infiltration and water discharge on a catchment scale for soil erosion modeling in the South Pacific Region. ISCO 2004 - 13th International Soil Conservation Organisation Conference - Brisbane, July 2004 Conserving Soil and Water for Society: Sharing Solutions. Paper 765.	M/C	FFT	http://www.tucson.ars.ag.gov/isco/isco13/PAPERS%20R-Z/VAN%20DEN%20ELSEN.pdf

2004	Wall, R.W. and King, B.A. 2004. Incorporating plug and play technology into measurement and control systems for irrigation management. Paper number 042189, 2004 ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=16464&t=2
2004	Yoshikawa, K., Overduin, P.P. and Harden, J.W. 2004. Moisture content measurements of moss (<i>Sphagnum</i> spp.) using commercial sensors. Permafrost and Periglac. Process. 15:309-318.	Paper	S+PPV	http://www3.interscience.wiley.com/journal/109801582/abstract
2003	Bristow, K.L. 2003. Introduction: The soil-plant-atmosphere continuum—gaps and unresolved issues. Agronomy Journal. 95(6):1349–1351.	Paper	FFT	http://agron.scijournal.org/cgi/reprint/95/6/1349?ck=nck
2003	Heilman, J.L., McInnes, K.J. and Owens, M.K. 2003. Net carbon dioxide exchange in live oak-ashe juniper savanna and C4 grassland ecosystems on the edwards plateau, Texas: effects of seasonal and interannual changes in climate and phenology. National Institute for Global Environmental Change: Publications: Annual Report: 2003-2004. Southcentral Regional Center.	PR	FFT	http://nigec.ucdavis.edu/publications/ar/annual2004/sc/SC04_Heilman.pdf
2003	McMichael, B. and Lascano, R.J. 2003. Laboratory evaluation of a commercial dielectric soil water sensor. Vadose Zone Journal. 2:650–654.	Paper	FFT	http://vzi.scijournal.org/cgi/reprint/2/4/650
2003	Palmer, C.D., Mattson, E.D. and Smith, R.W. 2003. Coupled flow and reactivity in variably saturated porous media. Annual Report. EMSP project # 86598. 3pp.	PR	FFT	http://www.osti.gov/em52/2003projsum/86598.pdf
2003	Parsons, A.K.C. 2003. Software engineering a wireless sensor network for environmental monitoring. Student work. University of Western Australia, 55pp.	SP	FFT	http://www.csse.uwa.edu.au/~rachel/AdHocProjects/anna.parsons.hons2003.dissert
2003	Tardif, R. 2003. Field calibration of the ECH2O soil moisture probes at the Brookhaven National Laboratory / NCAR meteorological tower site. National Center for Atmospheric Research / Research Applications Program. 12pp.	PR	FFT	http://www.rap.ucar.edu/staff/tardif/fog/docs/ECH2O_calib_notes.pdf
2002	Bosch, D.D. 2002. Validation of capacitance based soil-water probes for coastal plain soils. Paper number 022149, 2002 ASAE Annual Meeting.	M/C	S+PPV	http://asae.frymulti.com/abstract.asp?aid=10408&t=2
2002	Oo, M.W. and Toshio, N. 2002. A basic study of greening of dry-zone in Myanmar; Physiological responses to drought stress in <i>Eucalyptus camaldulensis</i> and <i>Quercus Phylllyraeoides</i> grown in different soil conditions. Kuyushu J. For. Res. 55(3):58-61.	Paper	FFT	http://ffpsc.agr.kyushu-u.ac.jp/jfs-g/kyushu_forest_research/55/55sc005.pdf
2002	Tardif, R. 2002. Notes on soil moisture sensor calibration and temperature correction. NCAR/RAP. July 2002. 14pp.	PR	FFT	www.rap.ucar.edu/staff/tardif/Documents/NCAR_doc/soil_moisture_calib.pdf

* M/C : Meeting / Comunication; Paper; PR : Project Report; SP : Student Project; OnLine : OnLine Publication;
 Paper
 PR : Project Report
 SP : Student Project
 OnLine : OnLine Publication
 BC : Book Chapter
 Book

* FFT : Free Full Text online
 S+PPV Summary + Pay Per View Full Text



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