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Background	Surface hydrology, land surface hydrology model development, uncertainty quantification methods of large complex dynamical system models, soil/vegetation/atmosphere interactions, hydrological ensemble forecasting methodologies, climate change impacts on water resources
Activities in education	**Ph.D.** Hydrology, University of Arizona, Tucson, Arizona, 8/87 - 9/91 **M.S.** Water Resources Administration, University of Arizona, 9/84 - 7/87 **B.S.** Hydro Power Engineering, Wuhan Inst. Of Hydraulic & Electric Eng./Wuhan University, Wuhan, China, 10/78 - 7/82
Distinctions / Memberships	Elected American Geophysical Union Fellow, 2012 Selectee of the Chinese Government 1000 Talents Program, 2010 Gold Award for contribution to Yucca Mountain Preclosure Safety Assessment Project, Lawrence Livermore National Laboratory, 2008. KC Wang Foundation Overseas Scholar Award, Chinese Academy of Science, 2005 National Research Council Post-doctoral Research Fellowship, 1992-1994
Selected Publications	Wang, C., Q. Duan, W. Gong, A. Ye, Z. Di, C. Miao, (2014). An evaluation of adaptive surrogate modeling based optimization with two benchmark problems, Env. Model. & Software, (accepted) Y. Gan, Q. Duan, W. Gong, C. Tong, Y. Sun, W. Chu, A. Ye, C. Miao, Z. Di, (2013), A comprehensive evaluation of various sensitivity analysis methods: A case study with a hydrological model, Env. Mod. & Software, http://dx.doi.org/10.1016/j.envsoft.2013.09.031 J. Li, Q. Duan, W. Gong, A. Ye, Y. Dai, C. Miao, Z. Di, C. Tong, and Y. Sun, (2013), Assessing parameter importance of the Common Land Modelbased on qualitative and quantitative sensitivity analysis, Hydrol. Earth Syst. Sci., 17, 3279–3293, doi:10.5194/hess-17-3279-2013 Q. Duan, and T. J. Phillips, 2010, Bayesian estimation of local signal and noise in multimodel simulations of climate change, J. Geophys. Res., 115, D18123, doi:10.1029/2009JD013654. N. Ajami, Q. Duan, and S. Sorooshian, 2007 “An integrated multi-model ensemble prediction approach to account for total uncertainty”, Water Resources Research, 43, W01403, doi:10.1029/2005WR004745. Q. Duan, N. Ajami, X. Gao, S. Sorooshian, 2007, “Multi-model Hydrologic Ensemble Predictions Using Bayesian Model Averaging”, Advances in Water Resources, doi:10.1016/j.advwatres.2006.11.014