Anami, B. S., Nandyal, S. S., & Govardhan, A. (2010). A combined color, texture and edge features based approach for identification and classification of indian medicinal plants. International Journal of Computer Applications IJCA, 6(12), 45-51.

Babbar-Sebens, M., & Minsker, B. (2008). Standard Interactive Genetic Algorithm— Comprehensive Optimization Framework for Groundwater Monitoring Design. *Journal of Water Resources Planning and Management*, *134*(6), 538-547.

Baker, B. M., & Carreto, C. A. C. (2003). A visual interactive approach to vehicle routing. *Computers & Operations Research, 30*(3), 321.

Band, L.E., Patterson, P., Nemani, R., & Running, S.W. (1992). Forest ecosystem processes at the watershed scale incorporating hillslope hydrology*. Agricultural & Forest Meteorology, 63 (1993),* 93 -126.

Band, L. E., Tague, C. L., Groffman, P., & Belt, K. (2001). Forest ecosystem processes at the watershed scale: Hydrological and ecological controls of nitrogen export. *Hydrological Processes, 15*(10), 2013-2028.

Basu, N. B., Thompson, S.E., & Rao, P.S.C. (2011). Hydrologic and Biogeochemical Functioning of Intensively Managed Catchments, Water Resources Research, *In press.*

Basu, N., Destouni, G., Jawitz, J.W., Thompson, S.E., Loukinova, N.V., Darracq, A., Zanardo, S., Yaeger, M., Sivapalan, M., Rinaldo, A., & Rao, P.S.C. (2010). Nutrient loads exported from managed catchments reveal emergent biogeochemical stationarity. *Geophysical Research Letters, 37*(23)

Berman, M. G., Jonides, J., & Kaplan, S. (2008). The cognitive benefits of interacting with nature. *Psychological Science, 19*(12), 1207–1212.

Bettez, N. D., & Groffman, P. M. (2012). Denitrification potential in stormwater control structures and natural riparian zones in an urban landscape. *Environmental Science and Technology, 46*(20), 10909-10917.

Brock, W.A. & Carpenter, S.R. (2007), Panaceas and diversification of environmental policy, Proceedings of the National Academy of the Sciences of the United States of America, 104(39), 15206-15211.

Brooks, Frederick P. (2010) *The Design of Design: Essays from a Computer Scientist.* Upper Saddle River, N.J. : Addison-Wesley

Burns, M. J., Fletcher, T. D., Walsh, C. J., Ladson, A. R., & Hatt, B. E. (2012). Hydrologic shortcomings of conventional urban stormwater management and opportunities for reform. Landscape and Urban Planning.

Caltrans Storm Water Quality Handbooks Project Planning and Design Guide, July 2010.

Cantone, J., & Schmidt, A. (2011). Improved understanding and prediction of the hydrologic response of highly urbanized catchments through development of the Illinois Urban Hydrologic Model. *Water Resources Research*, *47*(8), W08538.

Chang, C.Y., Chen, P.K. (2005). Human response to window views and indoor plants in the workplace. *Hortscience, 40*(5), 1354-1359.

Chien, S., Rabideau, G., Willis, J., & Mann, T. (1999). Automating planning and scheduling of shuttle payload operations. *Artificial Intelligence, 114*(1-2), 239-255.

City of Portland Stormwater Management Manual, Revision 4, August 2008.

Dash, M., & Liu, H. (1997). Feature selection for classification. *Intelligent data analysis*, *1*(1-4), 131-156.

Deb, K., Agrawal, S., Pratap, A., & Meyarivan, T. (2000). A fast elitist non-dominated sorting genetic algorithm for multi-objective optimization: NSGA-II. *Lecture notes in computer science*, *1917*, 849-858.

Deelman, E., Blythe, J., Gil, Y., Kesselman, C., Mehta, G., Patil, S., Su, M.-H., Vahi,K & Livny, M. (2004). *Pegasus: Mapping scientific workflows onto the grid*

Deelman, E., Singh, G., Su, M. H., Blythe, J., Gil, Y., Kesselman, C., ... & Katz, D. S. (2005). Pegasus: A framework for mapping complex scientific workflows onto distributed systems. *Scientific Programming*, *13*(3), 219-237.

Dietz, M. E. (2007). Low impact development practices: A review of current research and recommendations for future directions. *Water, Air, & Soil Pollution*, *186*(1), 351-363.

Douglas, I. (2004). Urban greenspace and mental health.*UK MAB Urban Forum.*

Dunn, A. D. (2010). Siting green infrastructure: legal and policy solutions to alleviate urban poverty and promote healthy communities. BC Envtl. Aff. L. Rev., 37, 41.

Fields, E. B., Okudan, G. E., & Ashour, O. M. (2013). Rank aggregation methods comparison: A case for triage prioritization. *Expert Systems with Applications, 40*(4), 1305-1311.

Filoso, S., & Palmer, M. A. (2011). Assessing stream restoration effectiveness at reducing nitrogen export to downstream waters. Ecological Applications, 21(6), 1989-2006.

Freund, Y and Schapire, R.E (1999): A short Introduction to Boosting. *Journal of Japanese Society for Artificial Intelligence, 14(5):771-780.*

Gall, H. E. (2011). *Hormone Transport in a Tile-Drained Agroecosystem Receiving Animal Waste Applications*, Ph.D. Dissetation, Purdue University, West Lafayette, IN.

Guest, J. S., Skerlos, S. J., Barnard, J. L., Beck, M. B., Daigger, G. T., Hilger, H., ... & Love*, N. G. (2009). A New Planning and Design Paradigm to Achieve Sustainable Resource Recovery from Wastewater 1. *Environmental science & technology*, *43*(16), 6126-6130.

Hager, G. W., Belt, K. T., Stack, W., Burgess, K., Grove, J. M., Caplan, B., . . . Groffman, P. M. (2013). Socioecological revitalization of an urban watershed. *Frontiers in Ecology and the Environment,* doi: 10.1890/120069

Harper, H.H. & Baker, D.M. (2008). Evaluation of Current Stormwater Design Criteria within the State of Florida, prepared for Florida Department of Environmental protection, Contract FDEP S0108.

Ibarbia, I., Mendiburu, A., Santos, M., & Lozano, J. A. (2012). An interactive optimization approach to a real-world oceanographic campaign planning problem. *Applied Intelligence, 36*(3), 721-734.

Isenburg, M., Liu, Y., Shewchuk, J., & Snoeyink, J. (2006a, July). Streaming computation of Delaunay triangulations. In ACM Transactions on Graphics (TOG) (Vol. 25, No. 3, pp. 1049-1056). ACM.

Isenburg, M., Liu, Y., Shewchuk, J., Snoeyink, J., & Thirion, T. (2006b). *Geographic Information Science, Proceedings, 4197*, 186-198.

Kaplan, R., & Kaplan, S. (1989). *The experience of nature: A psychological perspective*. Cambridge University Press.

Kaplan, S. (1995). The restorative benefits of nature: Toward an integrative framework. *Journal of environmental psychology*, *15*(3), 169-182.

Kemeny, J. (1959), Mathematics without numbers, *Daedalus*, *88*, 577-591.

Klau, G. W., Lesh, N., Marks, J., & Mitzenmacher, M. (2010). Human-guided search. *Journal of Heuristics, 16*(3), 289-310.

Koch, B. J., C. Febria, M. Gevrey, M. Palmer, L. Wainger, "Nitrogen removal by stormwater management structures: a data synthesis," manuscript in preparation.
Konikow, L. F., & Bredehoeft, J. D. (1992). Ground-water models cannot be validated. Advances in water resources, 15(1), 75-83.

Kooper, R., Marini, L., Minsker, B., Myers, J., & Bajcsy, P. (2007, May). CyberIntegrator: a highly interactive scientific process management environment to support earth observatories. In *Proc. Geoinformatics conference*.

Kuo, F. E. (2001). Coping with Poverty: Impacts of Environment and Attention in the Inner City. Environment & Behavior, 33, 5-34.

Kuo, F. E., & Sullivan, W. C. (2001a). Aggression and violence in the inner city – effects of environment via mental fatigue. *Environment and Behavior, 33*(4), 543–571.

Kuo, F. E., & Sullivan, W. C. (2001b). Environment and crime in the inner city – does vegetation reduce crime? *Environment and Behavior, 33*(3), 343–367.

Lazebnik, S., Schmid, C., & Ponce, J. (2006). Beyond bags of features: Spatial pyramid matching for recognizing natural scene categories. In *Computer Vision and Pattern Recognition, 2006 IEEE Computer Society Conference on* (Vol. 2, pp. 2169-2178). IEEE.

Lee, G.L., A. Selvakumar, K. Alvi, J. Riverson, J.X. Zhen, L. Shoemaker, F. Lai 2012.   A watershed-scale design optimization model for stormwater best management practices.   Environ. Modelling and Software, 37, 6-18.

Lin, H., Chen, G., Lee, P., & Lin, C. (2010). An interactive optimization system for the location of supplementary recycling depots. *Resources, Conservation and Recycling, 54*(10), 615-622.

Maas, J., Verheij, R. A., Groenewegen, P. P., De Vries, S., & Spreeuwenberg, P. (2006). Green space, urbanity, and health: how strong is the relation?. *Journal of epidemiology and community health*, *60*(7), 587-592.

Marini, L., Kooper, R., Myers, J., & Bajcsy, P. (2010). Dynamic publishing in digital catchments. *Proceedings of ICE: Water Management*, 163(1), 27-38.

MDE (Maryland Department of the Environment) Water Management Administration (2009). Stormwater Design Manual Volumes I & II.

McAllister, M., & Snoeyink, J. (1999, May). Extracting consistent watersheds from digital river and elevation data. In Proc. ASPRS/ACSM Annu. Conf (Vol. 138).

McHenry, K., Kooper, R., & Bajcsy, P. (2009). Towards a universal, quantifiable, and scalable

file format converter. *Proceedings of the 2009 Fifth IEEE International Conference on e-Science,* 140-147. doi: 10.1109/e-Science.2009.28

McHenry, K., Kooper, R., Ondrejcek, M., Marini, L., & Bajcsy, P. (2011). A mosaic of software. *Proceedings - 2011 7th IEEE International Conference on eScience, eScience 2011,* 279-286.

Mid-America Regional Council (2008). Manual of Best Management Practices for Stormwater Quality.

Mitchell, R. & Popham, F. (2008). Effect of exposure to natural environment on health inequalities: an observational population study. *Lancet* 372: 1655–60.

Moore, A., & Stilgoe, J. (2009). Experts and Anecdotes The Role of ''Anecdotal Evidence''in Public Scientific Controversies. Science, Technology & Human Values, 34(5), 654-677.

Moreau, L., Clifford, B., Freire, J., Futrelle, J., Gil, Y., Groth, P., ... & den Bussche, J. V. (2012). The open provenance model core specification (v1. 1). *Future Generation Computer Systems*, *27*(6), 743-756.

Morris, N. (2003). OPENspace: The research center for inclusive access to outdoor environments, 2003.

Munda, G. (1993). Multiple-criteria decision aid: Some epistemological considerations. *Journal of Multi-Criteria Decision Analysis, 2*(1), 41-55.

Do Nascimento, H., & Eades, P. (2002). User hints for directed graph drawing. In *Graph Drawing* (pp. 63-66). Springer Berlin/Heidelberg.

NRC 2008.   Committee on Reducing Stormwater Discharge Contributions to Water Pollution, Water Science Technology Board 2008. "Urban Stormwater Management in the United States" National Academies Press, 513p.

NCDWQ (North Carolina Division of Water Quality) (2007) Stormwater Best Management Practices Manual (July 2007).

Nyland, L. S., Lastra, A. A., McAllister, D. K., Popescu, V., McCue, C., & Fuchs, H. (2000, December). Capturing, processing, and rendering real-world scenes. In Photonics West 2001-Electronic Imaging (pp. 107-116). International Society for Optics and Photonics.

Oliva, A., & Torralba, A. (2001). Modeling the shape of the scene: A holistic representation of the spatial envelope. *International Journal of Computer Vision*, *42*(3), 145-175.

Ostrom, E. (2007). A diagnostic approach for going beyond panaceas, *Proceedings of the National Academy of the Sciences of the United States of America*, *104*(39), 15181-15187.

Ostrom, E., Janssen, M.A., & Anderles, J.M. (2007). Going beyond panaceas, *Proceedings of the National Academy of the Sciences of the United States of America*, *104*(39), 15176-15178.

Parsons, R., Tassinary, L. G., Ulrich, R. S., Hebl, M. R., & Grossman-Alexander, M. (1998). The view from the road: Implication for the stress recovry and immunization. *Journal of Environmental Psychology, 18*(2), 113-139.

Pataki, D. E., Carreiro, M. M., Cherrier, J., Grulke, N. E., Jennings, V., Pincetl, S., ... & Zipperer, W. C. (2011). Coupling biogeochemical cycles in urban environments: ecosystem services, green solutions, and misconceptions. Frontiers in Ecology and the Environment, 9(1), 27-36.

Pincetl, S. (2007). Accounting for environmental services in cities: the new frontier for sustainability. Social and Environmental Accountability Journal, 27(1), 3-8.

Pitt, R. and J. Voorhees, 2002. SLAMM, the Source Loading and Management Model. In, Management of Wet-Weather Flow in the Watershed (Edited by Dan Sullivan and Richard Field). CRC Press, Boca Raton. Publication in 2002.

Pitt, R., J. Voorhees, 2011. "Modeling green infrastructure components in a combined sewer area." Monograph 19. ISBN 978-0-9808853-4-7. Modeling Urban Water Systems. In, Cognitive Modeling of Urban Water Systems. James, W., K.N. Irvine, James Y. Li, E.A. McBean, R.E. Pitt, and S.J. Wright (editors). Computational Hydraulics International. Guelph, Ontario, p.139-156.

Poff, N. L., Allan, J. D., Bain, M. B., Karr, J. R., Prestegaard, K. L., Richter, B. D., ... & Stromberg, J. C. (1997). The natural flow regime. *BioScience*, *47(11)*769-784.

Popper, K. R. (1959). The logic of scientific discovery. London: Hutchinson, 1.

Qu, Y., & Duffy, C. J. (2007). A semidiscrete finite volume formulation for multiprocess watershed simulation. *Water Resources Research*, *43*(8), W08419.

Raciti, S. M., Groffman, P. M., Jenkins, J. C., Pouyat, R. V., Fahey, T. J., Pickett, S. T. A., & Cadenasso, M. L. (2011a). Accumulation of carbon and nitrogen in residential soils with different land-use histories. *Ecosystems, 14*(2), 287-297.

Raciti, S. M., Burgin, A. J., Groffman, P. M., Lewis, D. N., & Fahey, T. J. (2011b). Denitrification in suburban lawn soils. *Journal of Environmental Quality, 40*(6), 1932-1940.

Rajasekar, A., Moore, R., Hou, C., Lee, C., Marciano, R., d. Torcy, A., Wan, M., W. Schroeder, Chen, S., Gilber, L., Tooby, P., & Zhu, B. (2010). *iRODS Primer: Integrated Rule-Oriented Data System.* Morgan and Claypool

Reed, D. (2011, June 30). Being Bilingual: Speaking Technology and Policy. Communications of the ACM. Retrieved January 28, 2013, from http://cacm.acm.org/blogs/blog-cacm/110891-being-bilingual-speaking-technology-and-policy/

Rodriguez-Iturbe, I., & Valdes, J. V. (1979). The geomorphologic structure of hydrologic response. *Water Resources Research, 15*(6), 1409-1420.

Roy, B. (1990). Decision-aid and decision-making. *Readings in multiple criteria decision aid*, C. A. Bana e Costa, ed., Springer, Berlin, 17–35.

Roy, A. H., Wenger, S. J., Fletcher, T. D., Walsh, C. J., Ladson, A. R., Shuster, W. D., ... & Brown, R. R. (2008). Impediments and solutions to sustainable, watershed-scale urban stormwater management: lessons from Australia and the United States. *Environmental Management*, *42*(2), 344-359.

Schulze, M. (2003). A new monotonic and clone-independent single-winner election method. *Voting matters*, *17*(1), 9-19.

Simunek, J., Genuchten, M.V., & Sejna, M.(2005). The HYDRUS-1D Software Package for Simulating the Movement of Water, Heat, & Multiple Solutes in Variably Saturated Media, Version 3.0, HYDRUS Software Series 1, University of California Riverside.

Singh, A., Minsker, B. S., & Bajcsy, P. (2009). Image-Based Machine Learning for Reduction of User Fatigue in an Interactive Model Calibration System. *Journal of Computing in Civil Engineering*, *24*(3), 241-251.

Singh, A., Minsker,B.S., & Valocchi, A.J. (2008). An interactive multi-objective optimization framework for groundwater inverse modeling, *Advances in Water Resources*, *31*(10), 1269-1283.

Sonnenwald, D. H., Whitton, M. C., & Maglaughlin, K. L. (2008). Evaluation of a Scientific Collaboratory System: Investigating Utility Before Deployment. Gary M. Olson, Ann Zimmerman, & Nathan Bos (Eds.), Scientific Collaboration on the Internet, 171-194.

Sullivan, W. C., Anderson, O. M., & Lovell, S. T. (2004). Agricultural buffers at the rural-urban fringe: An examination of approval by farmers, residents, and academics in the Midwestern United States. *Landscape and Urban Planning, 69*(2-3), 299-313.

Sullivan, M., Busiek, B., Bourne, H., & Bell, S. (2010). Green Infrastructure and NPDES Permits: One Step at a Time. *Proceedings of the Water Environment Federation*, *2010*(8), 7801-7813.

Tague, C. L., & Band, L. E. (2004). RHESSys: regional hydro-ecologic simulation system-an object-oriented approach to spatially distributed modeling of carbon, water, and nutrient cycling. Earth Interactions, 8(19), 1-42.

Takano, T., Nakamura, K., & Watanabe, M. (2002). Urban residential environments and senior citizens' longevity in megacity areas: The importance of walkable green spaces. *Journal of Epidemiology and Community Health, 56*(12), 913-918. doi: 10.1136/jech.56.12.913

Tang, Y., & Schmidt, A. (2013). Probabilistic hydrologic model to simulate response of urban drainage system to implementation of low impact development stormwater practices, in *Showcasing the Future, Proceedings of the 2013 EWRI Congress*, Cincinnati OH, May 20-22, 2013.

Taylor, A. F., & Kuo, F. E. (2009). Children with attention deficits concentrate better after walk in the park. *Journal of Attention Disorders, 12*(5), 402–409.

Thompson, C.W., Roe, J., Aspinall, P., Mitchell, R., Clow, A., & Miller, D. (2012). "More green space is linked to less stress in deprived communities: Evidence from salivary cortisol patterns." *Landscape and Urban Planning 105*, 221-229.

Tideman, T. N. (1987), Independence of clones as a criterion for voting rules, *Social Choice and Welfare, 4*(3), 185-206.

Tsihrintzis, V. A., & Hamid, R. (1997). Modeling and management of urban stormwater runoff quality: A review. *Water Resources Management*, *11*(2), 136-164.

Ulrich, R. (1984). View through a window may influence recovery. *Science*, (224), 224-5.

Vailaya, A., Jain, A., & Zhang, H. J. (1998). On image classification: City images vs. landscapes. *Pattern Recognition*, *31*(12), 1921-1935.

Vassilios, A., Tsihrintzis, Hamid, R. (1997). *Modeling and Management of Urban Stormwater Runoff Quality: Water Resources Management 11: 137–164*
Walsh, C. J., Fletcher, T. D., & Ladson, A. R. (2005). Stream restoration in urban catchments through redesigning stormwater systems: looking to the catchment to save the stream. Journal of the North American Benthological Society, 24(3), 690-705.

Wang, Y. M., Chin, K. S., & Yang, J. B. (2006). Three new models for preference voting and aggregation. *Journal of the Operational Research Society*, *58*(10), 1389-1393.

Wang, Y. M., Luo, Y., & Hua, Z. (2007). Aggregating preference rankings using OWA operator weights. *Information Sciences, 177*, 3356–3363.

Wang, Y. M., Yang, J. B., & Xu, D. L. (2005). A preference aggregation method through the estimation of utility intervals. *Computers & Operations Research*, *32*(8), 2027-2049.

Ware, C. (2008). Visual thinking for design. Morgan Kaufmann Pub.

Ware, C. (2012). Information visualization: perception for design. Morgan Kaufmann.

Waters CDJ (1984) Interactive vehicle routing. *Journal of the Operational Research Society 35(9),*821–826.

Wendel , H. E. W., Downs, J. A., & Mihelcic, J. R. (2011). Assessing Equitable Access to Urban Green Space: The Role of Engineered Water Infrastructure. *Environmental Science and Technology, 45,* 6728–6734

Wong, T.H.F., H.P. Duncan, T.D. Fletcher, and G.A. Jenkins. (2001). A Unified Approach to Modeling Urban Stormwater Treatment. *In Proceedings of the Second South Pacific Stormwater Conference.*

Yan, S., & Minsker, B. (2006). Optimal groundwater remediation design using an adaptive neural network genetic algorithm. *Water Resources Research, 42*(5)

Yan, S., & Minsker, B. (2011). Applying dynamic surrogate models in noisy genetic algorithms to optimize groundwater remediation designs. *Journal of Water Resources Planning and Management, 137*(3), 284-292.

Zimmons, P., & Panter, A. (2003, March). The influence of rendering quality on presence and task performance in a virtual environment. In Virtual Reality, 2003. Proceedings. IEEE (pp. 293-294). IEEE.

Zitzler, E. and Thiele, L.(1998). An evolutionary algorithm for multiobjective optimization: The strength Pareto approach. Technical report 43, Computer engineering and Networks Laboratory (TIK), Swiss Federal Institute of Technology (ETH) Zurich.