The following citations come from the journal Ecology Letters (2003-2006). This journal emphasizes community level studies and theory, especially diversity. I have narrowed the list to topics that we have covered and where the emphasis is on plant communities. Full text articles and graphics are available at: http://www.blackwell-synergy.com/loi/ele (via OU libraries).

Each citation is numbered. Please look over the citations, perhaps consult the original article, and select your top three choices (by number). Please bring these numbers to class and I will start a list. You are limited to papers on this list only for your presentation assignment.

1) Additive partitioning of rarefaction curves and species-area relationships: unifying α-, β- and γ-diversity with sample size and habitat area
Thomas O. Crist, Joseph A. Veech
Ecology Letters 2006 9:8 923

2) Plant-soil feedbacks and invasive spread
Jonathan M. Levine, Elizaveta Pachepsky, Bruce E. Kendall, Stephanie G. Yelenik, Janneke Hille Ris Lambers
Ecology Letters 2006 9:9 1005

3) Temperature-dependence of biomass accumulation rates during secondary succession
Kristina J. Anderson, Andrew P. Allen, James F. Gillooly, James H. Brown
Ecology Letters 2006 9:6 673

4) Biotic interactions and plant invasions

5) Reconciling niche and neutrality: the continuum hypothesis
Dominique Gravel, Charles D. Canham, Marilou Beaudet, Christian Messier
Ecology Letters 2006 9:4 399

6) Effects of organism size and community composition on ecosystem functioning
Zachary T. Long, Peter J. Morin
Ecology Letters 2005 8:12 1271

7) Magnitude and variability of process rates in fungal diversity-litter decomposition relationships
Christian K. Dang, Eric Chauvet, Mark O. Gessner
Ecology Letters 2005 8:11 1129

8) Integrating environmental and spatial processes in ecological community dynamics
Karl Cottenie
Ecology Letters 2005 8:11 1175

9) Spatially disjunct effects of co-occurring competition and facilitation
Ian A. Dickie, Stefan A. Schnitzer, Peter B. Reich, Sarah E. Hobbie
Ecology Letters 2005 8:11 1191

10) Unanticipated impacts of spatial variance of biodiversity on plant productivity
Lisandro Benedetti-Cecchi
Ecology Letters 2005 8:8 791

11) Linking litter calcium, earthworms and soil properties: a common garden test with 14 tree species
Peter B. Reich, Jacek Oleksyn, Jerzy Modrzynski, Pawel Mrozinski, Sarah E. Hobbie, David M. Eisenstat, Jon Chorover, Oliver A. Chadwick, Cynthia M. Hale, Mark G. Tjoelker
Ecology Letters 2005 8:8 811
12) Diversity decreases invasion via both sampling and complementarity effects
Joseph E. Fargione, David Tilman
*Ecology Letters* 2005 8:6 604

13) A new statistical approach for assessing similarity of species composition with incidence and abundance data
Anne Chao, Robin L. Chazdon, Robert K. Colwell, Tsung-Jen Shen
*Ecology Letters* 2005 8:2 148

14) Why environmental scientists are becoming Bayesians
James S. Clark
*Ecology Letters* 2005 8:1 2

15) Unexpectedly high clonal diversity of two salt marsh perennials across a severe environmental gradient
Christina L. Richards, J. L. Hamrick, Lisa A. Donovan, Rodney Mauricio
*Ecology Letters* 2004 7:12 1155

16) Invasion impacts local species turnover in a successional system
Kathryn A. Yurkonis, Scott J. Meiners
*Ecology Letters* 2004 7:9 764

17) Below-ground competition between trees and grasses may overwhelm the facilitative effects of hydraulic lift
F. Ludwig, T. E. Dawson, H. H. T. Prins, F. Berendse, H. de Kroon
*Ecology Letters* 2004 7:8 623

18) Is invasion success explained by the enemy release hypothesis?
Robert I. Colautti, Anthony Ricciardi, Igor A. Grigorovich, Hugh J. MacIsaac
*Ecology Letters* 2004 7:8 721

19) Mycorrhizal networks mediate overstorey-understorey competition in a temperate forest
Michael G. Booth
*Ecology Letters* 2004 7:7 538

20) Bayesian inference in ecology
Aaron M. Ellison
*Ecology Letters* 2004 7:6 509

21) Overyielding among plant functional groups in a long-term experiment
David U. Hooper, Jeffrey S. Dukes
*Ecology Letters* 2004 7:2 95

22) Beyond biodiversity: individualistic controls of invasion in a self-assembled community
Scott J. Meiners, Mary L. Cadenasso, Steward T. A. Pickett
*Ecology Letters* 2004 7:2 121

23) Diversity reduces invasibility in experimental plant communities: the role of plant species
Jasper van Ruijven, Gerlinde B. De Deyn, Frank Berendse
*Ecology Letters* 2003 6:10 910

24) Autumn colouration and herbivore resistance in mountain birch (Betula pubescens)
Snorre B. Hagen, Ivar Folstad, Stein W. Jakobsen

25) The scaling of reproductive variability in trees
Andrew J. Kerkhoff, Ford Ballantyne IV

26) Size-dependent species richness: trends within plant communities and across latitude
Karl J. Niklas, Jeremy J. Midgley, Richard H. Rand
27) Dominant species maintain ecosystem function with non-random species loss  
Melinda D. Smith, Alan K. Knapp  
Ecology Letters 2003 6:6 509

28) Root allocation and multiple nutrient limitation in the New Jersey Pinelands  
Scott K. Gleeson, Ralph E. Good  
Ecology Letters 2003 6:3 220

29) Top predator control of plant biodiversity and productivity in an old-field ecosystem  
Oswald J. Schmitz  
Ecology Letters 2003 6:2 156

30) Top-down and bottom-up diversity cascades in detrital vs. living food webs  
Lee A. Dyer, Deborah Letourneau  
Ecology Letters 2003 6:1 60