

# Readings

## Plant Physiological Ecology

### Spring 2019

**\*\*Please contact Dr. Smith if you have trouble accessing the articles\*\***

**\*\*Note: this file will be updated to account for changes to the schedule\*\***

## **Week of January 21**

*Classical Literature Tuesday - Jan 22*

Chapin FS. 2003. Effects of Plant Traits on Ecosystem and Regional Processes: a Conceptual Framework for Predicting the Consequences of Global Change. *Annals of Botany* 91: 455–463.

<https://academic.oup.com/aob/article/91/4/455/213070>

*Recent Literature Thursday - Jan 24*

Reich PB. 2014. The world-wide ‘fast–slow’ plant economics spectrum: a traits manifesto. *Journal of Ecology* 102: 275–301.

<https://besjournals.onlinelibrary.wiley.com/doi/10.1111/1365-2745.12211>

## **Week of January 28**

*Classical Literature Tuesday - Jan 29*

Von Caemmerer S, Farquhar GD. 1981. Some relationships between the biochemistry of photosynthesis and the gas exchange of leaves. *Planta* 153: 376–387.

<https://link.springer.com/article/10.1007/bf00384257>

*Recent Literature Thursday - Jan 31*

Smith NG, Dukes JS. 2018. Drivers of leaf carbon exchange capacity across biomes at the continental scale. *Ecology* 99: 1610–1620.

<https://esajournals.onlinelibrary.wiley.com/doi/full/10.1002/ecy.2370>

## **Week of February 4**

*Classical Literature Tuesday - Feb 5*

Boardman NK. 1977. Comparative photosynthesis of sun and shade plants. *Annual review of plant physiology* 28: 355–377.

<https://www.annualreviews.org/doi/10.1146/annurev.pp.28.060177.002035>

*Recent Literature Thursday - Feb 7*

TBD

## **Week of February 11**

*Classical Literature Tuesday - Feb 12*

Berry J, Bjorkman O. 1980. Photosynthetic response and adaptation to temperature in higher plants. *Annual Review of Plant Physiology* 31: 491–543.

<https://www.annualreviews.org/doi/10.1146/annurev.pp.31.060180.002423>

*Recent Literature Thursday - Feb 14*

TBD

## **Week of February 18**

*Classical Literature Tuesday - Feb 19*

Chaves MM, Pereira JS, Maroco J, et al. 2002. How Plants Cope with Water Stress in the Field? Photosynthesis and Growth. *Annals of Botany* 89: 907–916.

<https://academic.oup.com/aob/article/89/7/907/151103>

*Recent Literature Thursday - Feb 21*

TBD

## **Week of February 25**

*Classical Literature Tuesday - Feb 26*

Bazzaz FA. 1990. The response of natural ecosystems to the rising global CO<sub>2</sub> levels. *Annual review of ecology and systematics* 21: 167–196.

<https://www.annualreviews.org/doi/10.1146/annurev.es.21.110190.001123>

*Recent Literature Thursday - Feb 28*

TBD

## **Week of March 4**

*Classical Literature Tuesday - Mar 5*

Brix H. 1971. Effects of nitrogen fertilization on photosynthesis and respiration in Douglas-fir. *Forest Science* 17: 407–414.

<https://academic.oup.com/forestscience/article-abstract/17/4/407/4709889>

*Recent Literature Thursday - Mar 7*

TBD

## **Week of March 18**

*Classical Literature Tuesday - Mar 19*

Mooney HA. 1972. The carbon balance of plants. *Annual review of ecology and systematics* 3: 315–346.

<https://www.annualreviews.org/doi/10.1146/annurev.es.03.110172.001531>

*Recent Literature Thursday - Mar 7*

TBD

## **Week of March 25**

*Classical Literature Tuesday - Mar 26*

Givnish TJ. 2002. Adaptive significance of evergreen vs. deciduous leaves: solving the triple paradox. *Silva fennica* 36: 703–743.

<http://www.metla.fi/silvafennica/full/sf36/sf363703.pdf>

*Recent Literature Thursday - Mar 28*

TBD

## **Week of April 8**

*Classical Literature Tuesday - Apr 9*

Grime JP. 1977. Evidence for the Existence of Three Primary Strategies in Plants and Its Relevance to Ecological and Evolutionary Theory. *The American Naturalist* 111: 1169–1194.

<https://www.jstor.org/stable/2460262>

*Recent Literature Thursday - Apr 11*

TBD

## **Week of April 15**

*Classical Literature Tuesday - Apr 16*

Wright DP, Scholes JD, Read DJ. 1998. Effects of VA mycorrhizal colonization on photosynthesis and biomass production of *Trifolium repens* L. *Plant, Cell and Environment* 21: 209–216.

<https://onlinelibrary.wiley.com/doi/10.1046/j.1365-3040.1998.00280.x>

*Recent Literature Thursday - Apr 18*

TBD

## **Week of April 22**

*Classical Literature Tuesday - Apr 23*

Aerts R. 1997. Climate, Leaf Litter Chemistry and Leaf Litter Decomposition in Terrestrial Ecosystems: A Triangular Relationship. *Oikos* 79: 439–449.

<https://www.jstor.org/stable/3546886>

*Recent Literature Thursday - Apr 25*

TBD

## **Week of April 29**

*Classical Literature Tuesday - Apr 30*

Field CB, Lobell DB, Peters HA, Chiariello NR. 2007. Feedbacks of Terrestrial Ecosystems to Climate Change. *Annual Review of Environment and Resources* 32: 1–29.

<https://www.annualreviews.org/doi/10.1146/annurev.energy.32.053006.141119>

*Recent Literature Thursday - May 2*

TBD