

Selected Publications – John A. Gamon

- 67) Gamon JA, Huemmrich KF, Stone RS, Tweedie C (2013) Spatial and Temporal Variation in Primary Productivity (NDVI) of Coastal Alaskan Tundra: Decreased Vegetation Growth following Earlier Snowmelt. *Remote Sensing of Environment*, 129:144-153. <http://dx.doi.org/10.1016/j.rse.2012.10.030>
- 66) Gamon JA, Berry JA (2012) Facultative and constitutive pigment effects on the Photochemical Reflectance Index (PRI) in sun and shade conifer needles. *Israel Journal of Plant Sciences*, in press (special issue in honor of Anatoly Gitelson)
- 65) Alvarez-Añorve M, Quesada M, Sanchez-Azofeifa A, Avila-Cabadilla LD, Gamon JA (2012) Functional regeneration and spectral reflectance of trees during succession in a highly diverse tropical dry forest ecosystem. *American Journal of Botany*, 99(5): 816-826.
- 64) Gamon JA, Kershaw GP, Williamson S, Hik D (2012) Microtopographic patterns in an arctic baydjarakh field: do fine-grain patterns enforce landscape stability? *Environ. Res. Lett.* 7 (2012) 015502. Available online at: <http://stacks.iop.org/1748-9326/7/015502>
- 63) Sanchez-Azofeifa A, Oki Y, Fernandes GW, Ball RA, Gamon J (2011) Relationships between endophyte diversity and leaf optical properties. *Trees – Structure and Function*. DOI 10.1007/s00468-011-0591-5
- 62) Garbulsky MF, Peñuelas J, Gamon JA, Inoue Y, Filella I. (2010) The Photochemical Reflectance Index (PRI) and the remote sensing of leaf, canopy and ecosystem radiation use efficiencies; a review and meta-analysis. *Remote Sensing of Environment*. doi:10.1016/j.rse.2010.08.023
- 61) Gamon JA, Coburn C, Flanagan L, Huemmrich KF, Kiddle C, Sanchez-Azofeifa GA, Thayer D, Vescovo L, Gianelle D, Sims D, Rahman AF, Zonta Pastorella G (2010) SpecNet revisited: bridging flux and remote sensing communities. *Canadian Journal of Remote Sensing*. 36(Suppl. 2): S376–S390.
- 60) Goswami S, Gamon JA, Tweedie CE (2010) Surface hydrology of an arctic ecosystem: multi-scale analysis of a flooding and draining experiment using spectral reflectance. *J. Geophys. Res.*, 116, G00I07, doi:10.1029/2010JG001346
- 59) Huemmrich KF, Kinoshita G, Gamon JA, Houston S, Kwon H, Oechel WC (2010) Tundra Carbon Balance Under Varying Temperature and Moisture Regimes. *Journal of Geophysical Research*. 115, G00I02, doi:10.1029/2009JG001237, 2010

- 58) Ustin SL, Gamon JA (2010) Remote sensing of plant functional types. *New Phytologist*. 186: 795–816
- 57) KF Huemmrich, JA Gamon, CE Tweedie, SF Oberbauer, G Kinoshita, S Houston, A Kuchy, RD Hollister, H Kwon, M Mano, Y Harazono, PJ Webber, WC Oechel (2010) Remote sensing of tundra gross ecosystem productivity and light use efficiency under varying temperature and moisture conditions. *Remote Sensing of Environment*. 114(3):481-489.
- 56) Quesada M, Sanchez-Azofeifa G, Alvarez-Anorve M, Stoner KE, Avila-Cabadilla L, Calvo-Alvarado J, Castillo A, Espiritu-Santo MM, Fagundes M, Fernandes GW, Gamon J, Lopezaraiza-Mikel M, Lawrence D, Morellato P, Powers J, Neves F, Rosas-Guerrero V, Sayago R, Sanchez-Montoya G (2009) Succession and management of tropical dry forests in the Americas: Review and new perspectives. *Forest Ecology and Management*. 258:1014-1024.
- 55) Sanchez –Azofeifa G, Castro K, Wright SJ, Gamon J, Rivard B, Kalacska M, Schnitzer S (2009) Differences in leaf traits, leaf internal structure, and spectral reflectance between two communities of lianas and trees : Implications for remote sensing in tropical environments. *Remote Sensing of Environment*. 113:2076-2088.
- 54) Ustin SL, Gitelson AA, Jacquemoud S, Schaepman ME, Asner GP, Gamon JA, Zarco-Tejada P (2009) Retrieval of Foliar Information about Plant Pigment Systems from High Resolution Spectroscopy, *Remote Sensing of Environment*. 113:S67-77.
- 53) Gamon JA (2008) Tropical remote sensing – opportunities and challenges. pp. 297-304. In: Kalacska M, Sanchez-Azofeifa GA (Eds), *Hyperspectral remote sensing of tropical and subtropical forests*. CRC Press, Taylor and Francis Group. ISBN-10: 1420053418, ISBN-13: 978-1420053418.
- 52) Gamon JA, Qiu H-L, Sanchez-Azofeifa A (2007) Ecological Applications of Remote Sensing at Multiple Scales. pp. 655-684 in: Pugnaire FI, Valladares F (Eds) *Plant Functional Ecology, Second Edition*. CRC Press, Boca Raton, FL.
- 51) Sitch S, McGuire AD, Kimball J, Gedney N, Gamon J, Engstrom, R, Wolf A, Zhuang Q (2007) Assessing the circumpolar carbon balance of arctic tundra with remote sensing and process-based modeling approaches. *Ecological Applications* 17:213-234.
- 50) Gamon JA, Rahman AF, Dungan JL, Schildhauer M, Huemmrich KF (2006a) Spectral Network (SpecNet): what is it and why do we need it? *Remote Sensing of Environment*. 103: 227-235.
- 49) Gamon JA, Cheng Y, Claudio H, MacKinney L, Sims D (2006b) A mobile tram system for systematic sampling ecosystem optical properties. *Remote Sensing of Environment*. 103:246-254

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- 43) Gamon JA, Kitajima K, Mulkey SS, Serrano L, Wright SJ (2005) Diverse optical and photosynthetic properties in a neotropical forest during the dry season: implications for remote estimation of photosynthesis. *BioTropica*. 37(4):547-560.
- 42) Moyes AB, Witter MS, Gamon JA (2005) Restoration of native perennials in a California annual grassland after prescribed spring burning and solarization. *Restoration Ecology* 13(4):658-665.
- 41) Turner DP, Ritts W, Cohen WB, Maeirsperger T, Gower ST, Kirschbaum A, Running SW, Zhao M, Wofsy S, Dunn A, Law B, Campbell J, Oechel W, Kwon HJ, Meyers T, Small E, Kurc S, Gamon J (2005) Site-level evaluation of satellite-based global GPP and NPP monitoring. *Global Change Biology*. 11:666-684.
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- 36) Gamon JA, Huemmrich KF, Peddle DR, Chen J, Fuentes D, Hall FG, Kimball JS, Goetz S, Gu J, McDonald KC, Miller JR, Moghaddam M, Rahman AF, Roujean J-L, Smith EA, Walthall CL, Zarco-Tejada P, Hu B, Fernandes R, Cihlar J (2004) Remote sensing in BOREAS: Lessons learned. *Remote Sensing of Environment*. 89: 139-162.
- 35) Boelman NT, Stieglitz M, Rueth H, Sommerkorn M, Griffin KL, Shaver GR, Gamon JA (2003) Response of NDVI, biomass, and ecosystem gas exchange to long-term warming and fertilization in wet sedge tundra. *Oecologia* 135:414-421.
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- 28) Yoshida LC, Gamon JA, Andersen CP (2001) Differences in above- and below-ground responses to ozone between two populations of a perennial grass. *Plant and Soil*. 233:203-211.
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