

- Björn, L.O. (1992) Interception of light by leaves, in *Crop Photosynthesis: Spatial and Temporal Determinants* (eds N.R. Baker and H. Thomas), Elsevier Science Publishers, Amsterdam, pp. 253–276.
- Blancaflor, E.B. and Gilroy, S. (2000) Plant cell biology in the new millennium: new tools and new insights, *American Journal of Botany*, **87**, 1547–1560.
- Bone, R.A., Lee, D.W. and Norman, J.M. (1985) Epidermal cells functioning as lenses in leaves of tropical rain forest shade plants, *Applied Optics*, **24**, 1408–1412.
- Bornman, J.F. and Vogelmann, T.C. (1988) Penetration of blue and UV radiation measured by fiber optics in spruce and fir needles, *Physiologia Plantarum*, **72**, 699–705.
- Bornman, J.F. and Vogelmann, T.C. (1991) Effect of UV-B radiation on leaf optical properties measured with fibre optics, *Journal of Experimental Botany*, **42**, 547–554.
- Bornman, J.F., Vogelmann, T.C. and Martin, G. (1991) Measurement of chlorophyll fluorescence within leaves using a fibreoptic microprobe, *Plant, Cell and Environment*, **14**, 719–725.
- Borriss, H. and Libbert, E. (1985) *Pflanzenphysiologie*, Fischer, Stuttgart.
- Boss, P.K., Davies, C. and Robinson, S.P. (1996) Expression of anthocyanin biosynthesis pathway genes in red and white grapes, *Plant Molecular Biology*, **32**, 565–569.
- Brewer, C.A. and Smith, W.K. (1997) Patterns of leaf surface wetness for montane and subalpine plants, *Plant, Cell and Environment*, **20**, 1–11.
- Brewer, C.A., Smith, W.K. and Vogelmann, T.C. (1991) Functional interaction between leaf trichomes, leaf wettability and the optical properties of water droplets, *Plant, Cell and Environment*, **14**, 955–962.
- Britton, G. (1985) General carotenoid methods, *Methods in Enzymology*, **111**, 113–149.
- Britton, G. (1995) Structure and properties of carotenoids in relation to function, *FASEB Journal*, **9**, 1551–1558.
- Bullas-Appleton, E.S., Otis, G., Gillard, C. and Schaafsma, A.W. (2004) Potato leafhopper (*Homoptera: Cicadellidae*) varietal preferences in edible beans in relation to visual and olfactory cues, *Environmental Entomology*, **33**, 1381–1388.
- Burchard, P., Bilger, W. and Weissenböck, G. (2000) Contribution of hydroxycinnamates and flavonoids to epidermal shielding of UV-A and UV-B radiation in developing rye primary leaves as assessed by ultraviolet-induced chlorophyll fluorescence measurements, *Plant, Cell and Environment*, **23**, 1373–1380.
- Burkhard, D. (1982) Birds, berries and UV, *Naturwissenschaften*, **69**, 153–157.
- Buschmann, C. and Nagel, E. (1993) *In vivo* spectroscopy and internal optics of leaves as basis for remote sensing of vegetation, *International Journal of Remote Sensing*, **14**, 711–722.
- Bussotti, F., Agati, G., Desotgiu, R., Matteini, P. and Tani, C. (2005) Ozone foliar symptoms in woody plant species assessed with ultrastructural and fluorescent analysis, *New Phytologist*, **166**, 941–955.
- Butera, D., Tesoriere, L., Di Gaudio, F. *et al.* (2002) Antioxidant activities of sicilian prickly pear (*Opuntia ficus indica*) fruit extracts and reducing properties of its betalains: betanin and indicaxanthin, *Journal of Agricultural and Food Chemistry*, **50**, 6895–6901.
- Butler, W.L. (1964) Absorption spectroscopy *in vivo*: theory and application, *Annual Review of Plant Physiology*, **15**, 451–470.
- Butler, W.L. and Norris, K.H. (1962) Plant spectra: absorption and action, in *Modern Methods of Plant Science*, Vol. 5 (eds H.F. Linskens and M.V. Tracey), Springer, Berlin, pp. 51–72.
- Cai, Y., Sun, M. and Corke, H. (2001a) Identification and distribution of simple and acylated betacyanins in the *Amaranthaceae*, *Journal of Agricultural and Food Chemistry*, **49**, 1971–1978.
- Cai, Y., Sun, M. and Corke, H. (2003) Antioxidant activity of betalains from plants of the *Amaranthaceae*, *Journal of Agricultural and Food Chemistry*, **51**, 2288–2294.
- Cai, Y., Sun, M., Schliemann, W. and Corke, H. (2001b) Chemical stability and colorant properties of betaxanthin pigments from *Celosia argentea*, *Journal of Agricultural and Food Chemistry*, **49**, 4429–4435.
- Caldwell, M.M. (1968) Solar ultraviolet radiation as an ecological factor for alpine plants, *Ecological Monographs*, **38**, 243–268.
- Caldwell, M.M. (1971) Solar UV irradiation and the growth and development of higher plants, in *Photophysiology*, Vol. 6 (ed. A.C. Giese), Academic Press, New York, pp. 131–177.