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Nota di contenuto	Carotenoids : overview of nomenclature, structures, occurrence, and functions / A. Kaczor, M. Baranska, K. Czamara -- The role of antioxidants in prevention of premature skin aging / J. Lademann, M.E. Darvin, F. Knorr, S. Jung, L. Zastrow, M.C. Meinke -- Anti-tumor activity of dietary carotenoids : prospects for applications in therapy / H. Abramczyk, J. Surmacki -- Photo- and radiation protection of dietary carotenoids / F. Boehm, R. Edge, T. G. Truscott, C. Witt -- Macular carotenoids : human health aspects / A. Gorusupudi, P. Bernstein -- Vibrational spectroscopy as a tool to investigate carotenoids / J. Cz. Dobrowolski -- Structural studies of carotenoids in plants, animals and food products / T. Maoka -- In situ studies of carotenoids in plants and animals / M. Baranska, J. Cz. Dobrowolski, G. Zajac -- Carotenoids in pigment-protein complexes : relation between carotenoids structure and function / W. I. Gruszecki -- Carotenoid biosynthesis and regulation in plants / R. Baranski, C. I. Cazzonelli -- Carotenoids bioavailability from food matrix : towards efficient extraction procedures / H. Schulz -- Carotenoid production by bacteria, microalgae and fungi / R. M. Schweiggert, R. Carle -- Impact of stress factors on carotenoid structures and bioavailability / A. Kaczor, M. Pilarczyk -- Syntheses with carotenoids / H.-R. Sliwka, V. Partali.

