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membrane Discussion; Tripartite and bipartite models of the photochemical apparatus of photosynthesis; Discussion; Picosecond fluorescence from photosynthetic systems in vivo; Discussion; Energy transfer and its dependence on membrane properties; Discussion; Quenching of chlorophyll fluorescence and photochemical activity of chloroplasts at low temperature; Discussion; Transfer and trapping of excitation energy in photosystem II; Discussion; General discussion; Some retrospective comments; Manganese and the evolution of oxygen The state of chlorophyll in photosystem I, photosystem II and the light-harvesting unit Grosser structure of chlorophyll-protein complexes; Comparison of the Paillotin-Swenberg kinetic theory and the Searle-Tredwell empirical treatment; Index of contributors; Subject index
