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Altri autori (Persone)	BerkinJeffrey W
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Nota di contenuto	ATP at a crossroads : cell life or death? / A. Atlante ... [et al.] -- Bioenergetics of closed ecological systems : effects of carbon sources / Frieda B. Taub -- The role of mitochondria in the glucose metabolism / L. de Bari ... [et al.] -- Bioenergetics of Thermus thermophilus : cytochrome c oxidases / Mohamed Radzi, Mohamed Noor, Tewfik Soulimane -- Mitochondrial dysfunction produced by Zn (II) or selenite : a comparison with Cd (II) and Ca (II) / Elena A. Belyaeva -- Extramitochondrial aerobic metabolism in retinal rod outer segment disks / Isabella Panfoli -- Conversion of wood into liquid fuels : a review of the science and technology behind the fast pyrolysis of biomass / G. San Miguel ... [et al.] -- Bioenergetics and male infertility : from basic science to clinical andrology / Alexandra Amaral ... [et al.] -- Commentary : screening and studying photosynthetic mutants : basics and beyond / Xenie Johnson, Laura Houille-Vernes, Jean Alric -- Identification of specific mitochondrial proteins forming stable adducts with 4-hydroxynonenal within cardiac tissue of type-I diabetic animals : implications for bioenergetics dysfunction and onset of diabetic cardiomyopathy / Gregg Di Nuoscio ... [et al.] -- Simultaneous fluorescence and reflection confocal microscopy study of living osteoblast bioenergetics as a tool for the design of surface topography of dental impants / Mercedes Salido ... [et al.].
Sommario/riassunto	Bioenergetics is the subject of a field of biochemistry that concerns energy flow through living systems. This is an active area of biological

research that includes the study of thousands of different cellular processes such as cellular respiration and the many other metabolic processes that can lead to production and utilization of energy in forms such as ATP molecules. This book presents current research from across the globe in the study of bioenergetics, including Cell ATP production by mitochondria; bioenergetics of closed ecological systems; bioenergetics of thermus thermophilus; as well as screening and studying photosynthetic mutants.