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Titolo	Proceedings of the 2nd and 3rd Annual conferences on composites and advanced materials [[electronic resource]] : a collection of papers presented at the 2nd and 3rd annual conferences on composites and advanced materials, sponsored by the Ceramic-Metal Systems Division, The American Ceramic Society, January 22-25, 1978, January 21-24, 1979, Frank Wolfe's Beach Side Motel, Cocoa Beach, Florida / / John D. Buckley, conference director
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Descrizione fisica	1 online resource (190 p.)
Collana	Ceramic engineering and science proceedings, , 0196-6219 ; ; 1/7-8
Altri autori (Persone)	BuckleyJohn D
Disciplina	666.
Soggetti	Ceramics Ceramic metals
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The American Ceramic Society."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Proceedings of the 2nd and 3rd Annual Conferences on Composites and Advanced Materials; Table of Contents; Surface Characterization of Ceramed Composites and Environmental Sensitivity; Infrared Reflection Analysis of Si3N4 Oxidation; Interfacial Analysis of Bioglass-Vitallium and Bioglass-Stainless Steel Composites; Some Aspects of Boron Filament Elongation; CVD-Produced Boron Filaments; Radar Adsorptive Ferrite-Resin Composites from Industrial Effluent; Design and Fabrication of Stabilized Organic Matrix Composites; Design and Test of a Graphite-Epoxy Composite A-10 Slat Sintered Si3N4-Based Ceramics: Processing and Engineering PropertiesSi/SiC Ceramic Composities: Properties and Applications; Stresses in Metal Matrix Composites Due to Fiber Matrix Thermal Expansion Mismatch; Thermal Structural Ceramic Composites; High Frequency Ultrasonics; Preventative Nondestructive Evaluation (PNDE) of

	Graphite-Epoxy Composites; Positron Annihilation Studies of Moisture in Graphite-Reinforced Composites; Effect of Heat Treatment on the Oxidation of Hot-Pressed Si3N4 as Determined by Infrared Reflection Analysis
Sommario/riassunto	This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural design, advanced ceramic coatings, ceramic armor, porous ceramics, and more.

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Autore	Taylor Nicolas L
Titolo	Plant Mitochondria / Nicolas L. Taylor
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ISBN	9783038975519 3038975516
Descrizione fisica	1 electronic resource (400 p.)
Lingua di pubblicazione	Inglese
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Sommario/riassunto	The primary function of mitochondria is respiration, where the catabolism of substrates is coupled to ATP synthesis via oxidative phosphorylation. In plants, mitochondrial composition is relatively complex and flexible and has specific pathways to support photosynthetic processes in illuminated leaves. Plant mitochondria also play important roles in a variety of cellular processes associated with carbon, nitrogen, phosphorus, and sulfur metabolism. Research on

plant mitochondria has rapidly developed in the last few decades with the availability of the genome sequences for a wide range of model and crop plants. Recent prominent themes in plant mitochondrial research include linking mitochondrial composition to environmental stress responses, and how this oxidative stress impacts on the plant mitochondrial function. Similarly, interest in the signaling capacity of mitochondria, the role of reactive oxygen species, and retrograde and anterograde signaling has revealed the transcriptional changes of stress responsive genes as a framework to define specific signals emanating to and from the mitochondrion. There has also been considerable interest in the unique RNA metabolic processes in plant mitochondria, including RNA transcription, RNA editing, the splicing of group I and group II introns, and RNA degradation and translation. Despite their identification more than 100 years ago, plant mitochondria remain a significant area of research in the plant sciences. This Special Issue, "Plant Mitochondria", will cover a selection of recent research topics and timely review articles in the field of plant mitochondrial research.