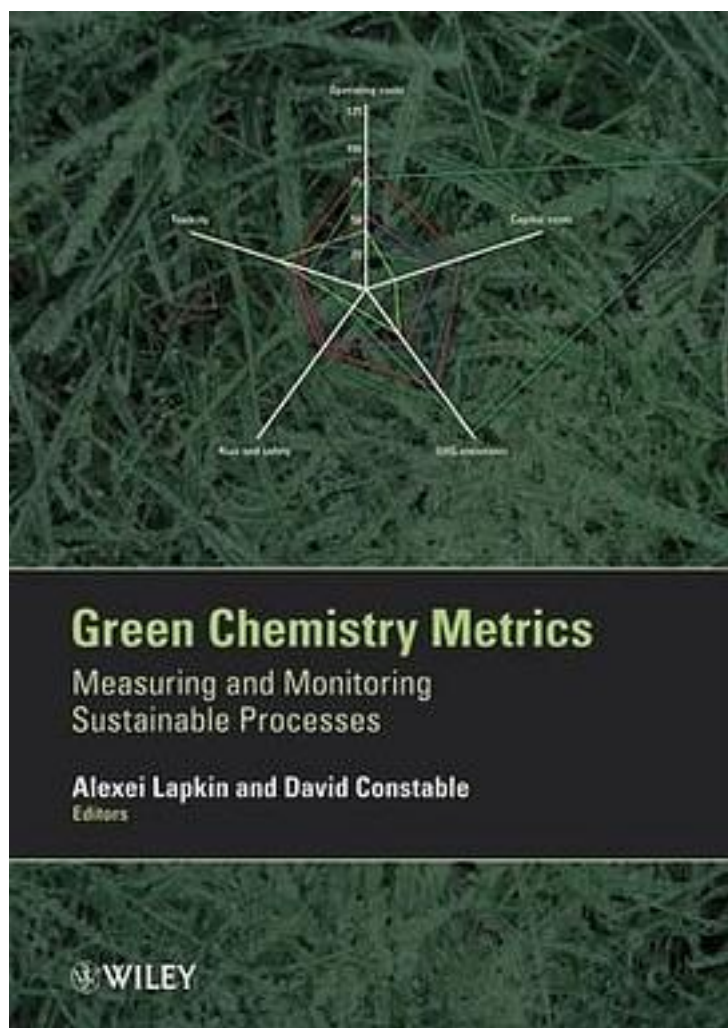


Green Chemistry Metrics



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著者:Lapkin, Alexei/ Constable, David

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Quantifying the environmental impact of chemical technologies and products, and

comparing alternative products and technologies in terms of their "greenness" is a challenging task. In order to characterise various aspects of a complex phenomenon, a number of different indicators are selected into a metric. This book outlines fundamental developments in chemistry and chemical technology that have led to the development of green chemistry, green chemical technology, and sustainable chemical technology concepts, and provide a foundation for the development of the corresponding metrics. It includes different approaches to metrics, and case study examples of their applications, and problems in practice.

Green Chemistry Metrics is aimed at graduate students and researchers, practitioners and environmental managers in industry, metrics developers, and governmental agencies and NGOs in the area of environmental protection and sustainability. The main focus will be on chemical processes, however the book will be relevant to other industry sectors such as energy, electronics, healthcare, food and consumer products.

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