

Inamuddin

Language:	anglais
Gender:	masculin
Note:	En poste : Faculty of engineering & technology, Aligarh Muslim university, Aligarh, Inde (en 2017)
ISNI:	ISNI 0000 0003 8301 774X

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Occupations

Éditeur scientifique | Autre

Éditeur scientifique (3)

→ [Green solvents I](#)

properties and applications in chemistry

Material description:1 online resource

Note:Note : Titre provenant de la p. de titre du document numérisé

Numérisation de l'édition de Dordrecht : Springer e-books, 2012

Abstract:The conventional solvents used in chemical, pharmaceutical, biomedical and separation processes represent a great challenge to green chemistry because of their toxicity and flammability. Since the beginning of "the 12 Principles of Green Chemistry" in 1998, a general effort has been made to replace conventional solvents with environmentally benign substitutes. Water has been the most popular choice so far, followed by ionic liquids, surfactant, supercritical fluids, fluoruous solvents, liquid polymers, bio-solvents and switchable solvent systems. Green Solvents Volume I and II provides a throughout overview of the different types of solvents and discusses their extensive applications in fields such as extraction, organic synthesis, biocatalytic processes, production of fine chemicals, removal of hydrogen sulphide, biochemical transformations, composite material, energy storage devices and polymers. These volumes are written by leading international experts and cover all possible aspects of green solvents' properties and applications available in today's literature.Green Solvents Volume I and II is an invaluable guide to scientists, R&D; industrial specialists, researchers, upper-level undergraduates and graduate students, Ph.D. scholars, college and university professors working in the field of chemistry and biochemistry

Edition:Dordrecht : Springer Netherlands : Springer e-books , 2012

Éditeur scientifique:Inamuddin, Ali Mohammad

Link: [catalogue](#)

→ **Green Solvents II**

Properties and Applications of Ionic Liquids

Material description:1 online resource

Abstract:The conventional solvents used in chemical, pharmaceutical, biomedical and separation processes represent a great challenge to green chemistry because of their toxicity and flammability. Since the beginning of "the 12 Principles of Green Chemistry" in 1998, a general effort has been made to replace conventional solvents with environmentally benign substitutes. Water has been the most popular choice so far, followed by ionic liquids, surfactant, supercritical fluids, fluorosolvents, liquid polymers, bio-solvents and switchable solvent systems.Green Solvents Volume I and II provides a throughout overview of the different types of solvents and discusses their extensive applications in fields such as extraction, organic synthesis, biocatalytic processes, production of fine chemicals, removal of hydrogen sulphide, biochemical transformations, composite material, energy storage devices and polymers. These volumes are written by leading international experts and cover all possible aspects of green solvents' properties and applications available in today's literature.Green Solvents Volume I and II is an invaluable guide to scientists, R&D; industrial specialists, researchers, upper-level undergraduates and graduate students, Ph.D. scholars, college and university professors working in the field of chemistry and biochemistry

Edition:Dordrecht : Springer Netherlands : Springer e-books , 2012

Éditeur scientifique:Inamuddin, Ali Mohammad

Autre:Ali Mohammad

Link: [catalogue](#)

→ **Organic-inorganic composite polymer electrolyte membranes**

preparation, properties, and fuel cell applications

Material description:1 ressource en ligne (xx, 460 pages)

Note>Note : Notes bibliogr.

Edition:Cham : Springer , 2017

Éditeur scientifique:Abdullah M. Asiri, Inamuddin, Ali Mohammad

Link: [catalogue](#)

Autre (3)

→ **Green chromatographic techniques**

separation and purification of organic and inorganic analytes

Material description:1 online resource (xii, 210 pages)

Note>Note : Includes bibliographical references and index

Online resource; title from PDF title page (SpringerLink, viewed November 18, 2013).

Abstract:Green analytical chemistry research calls for the use of green solvents and characterization techniques that can be used for the separation, identification and purification of organic and inorganic analytes. This book presents a unified outlook on counter-current, ion size exclusion, supercritical fluids, high-performance thin layers, and gas and size exclusion chromatographic techniques used for the separation and purification of organic and inorganic analytes. It also describes a number of green techniques, green sample preparation methods and optimization of solvent consumption in the chromatographic analysis of organic and inorganic analytes. This book offers a valuable resource not only for learners, but also for more experienced chromatographers, conveying a deeper understanding of green chromatographic techniques, green solvents and preparation methods

Edition:Dordrecht : Springer , cop. 2014

Autre:Inamuddin, Ali Mohammad

Link: [catalogue](#)

→ **Ion-exchange technology II**

Material description:1 ressource dématérialisée

Note>Note : Includes bibliographical references and index

Edition:Dordrecht ; New York : Springer , cop. 2012

Autre:Inamuddin

Link: [catalogue](#)

→ **Ion-exchange technology I**

theory and materials

Material description:1 online resource (1 texte électronique)

Note:Note : Titre de l'écran-titre (visionné le 24 août 2012)

Abstract:Ion-exchange Technology I: Theory and Materials describes the theoretical principles of ion-exchange processes. More specifically, this volume focuses on the synthesis, characterization, and modelling of ion-exchange materials and their associated kinetics and equilibria. This title is a highly valuable source not only to postgraduate students and researchers but also to industrial R & D specialists in chemistry, chemical, and biochemical technology as well as to engineers and industrialists.--Source inconnue

Edition:Dordrecht ; New York : Springer , cop. 2012

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Sources and references

Link to the main catalogue

<https://catalogue.bnf.fr/ark:/12148/cb17232886b>

Sources

Green Solvents II [Texte électronique] : Properties and Applications of Ionic Liquids / edited by Ali Mohammad, Dr. Inamuddin. - Dordrecht : Springer Netherlands : Springer e-books, 2012

Organic-inorganic composite polymer electrolyte membranes : preparation, properties, and fuel cell applications / Inamuddin, Ali Mohammad, Abdullah M. Asiri, editors, 2017

[VIAF \(2019-01-10\)](#)