

1. Record Nr.	UNINA9910299899103321
Titolo	Droplet and Spray Transport: Paradigms and Applications // edited by Saptarshi Basu, Avinash Kumar Agarwal, Achintya Mukhopadhyay, Chetan Patel
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018
ISBN	981-10-7233-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIV, 379 p. 166 illus.)
Collana	Energy, Environment, and Sustainability, , 2522-8366
Disciplina	660.294515
Soggetti	Fluid mechanics Amorphous substances Complex fluids Chemical engineering Engineering Fluid Dynamics Soft and Granular Matter, Complex Fluids and Microfluidics Industrial Chemistry/Chemical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Part I: General -- Introduction to Application Paradigms of Droplets and Spray Transport -- Part II: Transport Phenomena in Droplets and Sprays of Non-Newtonian and Complex Fluids -- Drop Impact Dynamics of Newtonian and Non-Newtonian Liquid. Spray in Polymer Processing -- Transport Phenomena in Functional Droplets -- Drop Breakup and Size Evolution in Oil and Gas Production: A Review of Models and Mechanisms -- Drops, jets and high-resolution 3D printing: Fundamentals and applications -- Part III Droplet and Spray Transport in Presence of Phase Change -- Coalescence Characteristics of Liquid Drops with Application to Dropwise Condensation -- Molten Drop to Coolant Heat Transfer during Premixing of Fuel Coolant -- Harvesting Water from Natural and Industrial Fogs – Opportunities and Challenges -- Thermal Management of Electronics using Sprays and Droplets -- Part IV Interaction of Droplets and Sprays with Surface -- Droplet Impact on Solid Surfaces -- Sprays used for Thermal Barrier Coatings -- Part V Droplet and Spray Transport at Microscale -- Droplets in

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## Microfluidics.

### Sommario/riassunto

This book focuses on droplets and sprays and their applications. It discusses how droplet level transport is central to a multitude of applications and how droplet level manipulation and control can enhance the efficiency and design of multiphase systems. Droplets and sprays are ubiquitous in a variety of multiphase and multiscale applications in surface patterning, oil recovery, combustion, atomization, spray drying, thermal barrier coating, renewable energy, and electronic cooling, to name but a few. This book provides two levels of details pertaining to such applications. Each chapter delves into a specific application and provides not only an overview but also detailed physical insights into the application mechanism from the point of view of droplets and sprays. All chapters provide a mix of cutting-edge applications, new diagnostic techniques and modern computational methodologies, as well as the fundamental physical mechanism involved in each application. Taken together, the chapters provide a translational perspective on these applications, from basic transport processes to optimization, and from design to implementation using droplets or sprays as fundamental building blocks. Given its breadth of coverage, the book will be of interest to students, researchers, and industry professionals alike.

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2. Record Nr.	UNINA9910708676703321
Titolo	Analysis of ... diversity self-assessments // Federal Deposit Insurance Corporation
Pubbl/distr/stampa	[Washington, D.C.] : , : Federal Deposit Insurance Corporation, Office of Minority and Women Inclusion, , 2018-
Descrizione fisica	1 online resource (volumes)
Disciplina	332.1
Soggetti	Banks and banking - State supervision - United States Financial institutions - State supervision - United States Diversity in the workplace - United States Banks and banking - State supervision Diversity in the workplace Financial institutions - State supervision Statistics Statistics. United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Individual PDF titles vary. In scope of the U.S. Government Publishing Office Cataloging and Indexing Program (C&I) and Federal Depository Library Program (FDLP).