1. Record Nr. UNISA996389128703316

Autore	Ames William <1576-1633.>
Titolo	The chiefe heads of diuinitie [[electronic resource]] : breifly [sic] & orderly set down, in forme of catechising, by question & answere
Pubbl/distr/stampa	At Dordrecht, : Printed by G.VV., 1612
Descrizione fisica	[48] p
Soggetti	Catechisms, English
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Signed on p. [4]: William Ames. Title within ornamental border. Reproduction of original in: New College (University of Edinburgh). Library.
Sommario/riassunto	eebo-0099

2. Record Nr. UNINA9910585939503321

Autore	Mei Lanju
Titolo	Non-Newtonian Microfluidics
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (252 p.)
Soggetti	History of engineering & technology Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Microfluidics has seen a remarkable growth over recent decades, with its extensive applications in engineering, medicine, biology, chemistry, etc. Many of these real applications of microfluidics involve the handling of complex fluids, such as whole blood, protein solutions, and polymeric solutions, which exhibit non-Newtonian characteristics-specifically viscoelasticity. The elasticity of the non-Newtonian fluids induces intriguing phenomena, such as elastic instability and turbulence, even at extremely low Reynolds numbers. This is the consequence of the nonlinear nature of the rheological constitutive equations. The nonlinear characteristic of non-Newtonian fluids can dramatically change the flow dynamics, and is useful to enhance mixing at the microscale. Electrokinetics in the context of non-Newtonian fluids are also of significant importance, with their potential applications in micromixing enhancement and bio-particles manipulation and separation. In this Special Issue, we welcomed research papers, and review articles related to the applications, fundamentals, design, and the underlying mechanisms of non-Newtonian microfluidics, including discussions, analytical papers, and numerical and/or experimental analyses.