

1. Record Nr.	UNINA9910463375603321
Autore	Lauer Bill
Titolo	Chemical feed field guide for treatment plant operators [[electronic resource]] : calculations and systems / / by William C. Lauer, Michael G. Barsotti, and David K. Hardy
Pubbl/distr/stampa	Denver, Colo., : American Water Works Association, c2009
ISBN	1-61300-081-2 1-61583-765-5
Descrizione fisica	1 online resource (159 p.)
Altri autori (Persone)	BarsottiMichael G HardyDavid K
Disciplina	628.1/66
Soggetti	Drinking water - Purification - Materials Drinking water - Purification - Mathematics Feedstock Materials handling - Mathematics Engineering mathematics Chemical process control Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 151-152) and index.
Nota di contenuto	""Table of Contents""; ""List of Figures""; ""List of Tables""; ""About the Authors""; ""Foreword""; ""Acknowledgments""; ""References""; ""Index""

2. Record Nr.	UNINA9910557579303321
Autore	Bedon Chiara
Titolo	Buildings and Structures under Extreme Loads
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (434 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Exceptional loads on buildings and structures may have different causes, including high-strain dynamic effects due to natural hazards, man-made attacks, and accidents, as well as extreme operational conditions (severe temperature variations, humidity, etc.). All of these aspects can be critical for specific structural typologies and/or materials that are particularly sensitive to external conditions. In this regard, dedicated and refined methods are required for their design, analysis, and maintenance under the expected lifetime. There are major challenges related to the structural typology and material properties with respect to the key features of the imposed design load. Further issues can be derived from the need for risk mitigation or retrofit of existing structures as well as from the optimal and safe design of innovative materials/systems. Finally, in some cases, no appropriate design recommendations are available and, thus, experimental investigations can have a key role within the overall process. In this Special Issue, original research studies, review papers, and experimental and/or numerical investigations are presented for the structural performance assessment of buildings and structures under various extreme conditions that are of interest for design.